CURRICULUM VITAE - Daniel F. Stockli

Interim Dean Jackson School of Geosciences
John F. and Carolyn C. Bookout Endowed Chair in Structural Geology
Director of UTChron Geo- & Thermochronology Laboratories
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Educational History:

1999 Ph.D. in Geological Sciences, Stanford University. Dissertation; "Timing and nature of Miocene extensional faulting in the northern Basin and Range Province and the structural and thermal transition to the central Sierra Nevada". Advisors: Dr. E. L. Miller and Dr. T. A. Dumitru.

1995 M.S. (Diplom) in Geology, Swiss Federal Institute of Technology (ETH), Zurich. Thesis: "Tectonics SW of the Tauern Window, Eastern Alps - Southern Continuation of the Brenner Fault Zone and its Interaction with other Fault Zones". Advisors: Dr. N. S. Mancktelow and Dr. D. Seward.

1993 B.S. (Vordiplom) in Geology, Swiss Federal Institute of Technology, Zurich.

Leadership Experience:

2026 –	Interim Dean of the Jackson School of Geosciences at the Univ of Texas at Austin
2021 – 2026	Chair, Dept. of Earth & Planetary Sciences at Univ of Texas at Austin
2011 – 2017	Leader of UT JSG Solid Earth & Tectonic Processes Theme
2015 – 2017	Jackson School Strategic Planning Committee
2011 –	Director of UTChron Geo- and Thermochronometry Laboratories
1990 – 1995	Military Service Swiss Army (total of 2 years of service)

Professional Experience:

2011 –	Professor at University of Texas at Austin
2007	Herbette Visiting Professor University of Lausanne
2006 – 2011	Associate Professor at University of Kansas
2005 – 2011	Adjunct Professor at Dalhousie University, Halifax, Canada
2001 – 2011	Co-Director of KU IGL and Geochronology Laboratories
2001 – 2005	Assistant Professor at University of Kansas
1999 – 2001	Divisional Postdoctoral Scholar at California Institute of Technology
1995 – 1999	Teaching and Research Assistant at Stanford University
1994 – 1995	Teaching and Laboratory Assistant, ETH Zurich

Selected Academic Honors:

2024	Knebel Distinguished Teaching Award (Graduate)
2023 –	John F and Carolyn C Bookout Endowed Chair in Structural Geology
2018	Jackson School Outstanding Researcher Award
2017	Geological Society of America Fellow
2014 – 2023	Chevron (Gulf) Centennial Professorship
2014	DGS Full Professor Top Performance Award
2011	KU Shining Light Research Award
2006	J. and M. Van Sant Geology Excellence Award
1999	Texaco Philanthropic prize postdoctoral fellowship California Institute of Technology
1995	Stanford University Fellowship
1995	Outstanding master's thesis award ETHZ and Swiss Presidential Silver Medal

Languages: English, German, French, Spanish (fluent); Italian, Greek, Arabic, Russian (elementary)

Research and Professional Activities

Grants, Awards, and Major Contracts:

2024 *Apache Egypt.* Chronostratigraphy and Provenance Evolution Reconstruction of the Western Desert, Egypt. $210,000.
2024 *Saudi Aramco*. Chronostratigraphy of Paleozoic strata below and above the Hercynian unconformity, Egypt. $153,000.
2023 *Saudi Aramco*. Chronostratigraphy and thermal history of Paleozoic strata below and above the Hercynian unconformity, Egypt. $140,000.
2023 *Apache Egypt.* Chronostratigraphy and Provenance Evolution Reconstruction of the Western Desert, Egypt. $240,000.
2022 *NSF Tectonics*: Collaborative Proposal: Rodingites as Recorders of Tectonic Processes from the Seafloor to Convergence: A case study of the Dun Mountain Ophiolite Belt. $409,005 (UT) with Barnes (PI), Stockli (co-Pi)
2022 *Apache Egypt.* Chronostratigraphy and Provenance Evolution Reconstruction of the Western Desert Egypt. $208,000.
2022 *Saudi Aramco*. Chronostratigraphy and thermal history of Paleozoic strata below and above the Hercynian unconformity, Egypt. $80,000.
2021 *Apache Egypt.* Chronostratigraphy and Provenance Evolution Reconstruction of the Waha Platform, Egypt. $108,000.
2021 *Saudi Aramco*. Provenance shift and exhumation across the Hercynian Unconformity in the subsurface of E Saudi Arabia. $56,000
2020 *Norwegian INPART2:* Arctic Geological History and Future Exploration: A Norwegian-Russian-North American (NO-R-AM) collaboration in Arctic research and education ~$606,600 or NK 4,841,000 (total for 4 institutions)
2020 *Talos Mexico*. Detrital Zircon Geochronology. $35,000
2020 *Apache Egypt.* Chronostratigraphy and Thermal Evolution Reconstruction of the North-East Rezak area, Egypt. $172,300.
2019 *Apache Egypt.* Chronostratigraphy and Thermal Evolution Reconstruction of the Alamein area, Egypt. $325,000.
2018 *Equinor*. Provenance signature of modern Rivers in Eastern Mexico. $175,578.11. Stockli (PI)
2018 *NSF Tectonics:* Collaborative research: Timing of slip along the Sierra Nevada frontal fault zone, California: A Thermochronologic Study. $235,427. Stockli (PI)
2018 *Apache Egypt.* Chronostratigraphy and Thermal Evolution Reconstruction of the Abu Gharadig and Alamein basins, Egypt. $170,00.
2017 *NSF OCE:* Collaborative Proposal: Chicxulub impact effects and the recovery of life using scientific drilling investigations at ground zero. $566,407 (UT Total), Gulick (PI), Stockli (co-PI)
2017 *NSF Tectonics.* Retrograde metamorphism in the Greek Cycladic Islands as a window into exhumation mechanisms of high-pressure terranes. $334,776. Barnes (PI), Stockli (co-PI)
2017 *Norwegian INPART:* Arctic Geological History and Future Exploration: A Norwegian-Russian-North American (NO-R-AM) collaboration in Arctic research and education ~$606,600 or NK 4,841,000 (total for 4 institutions)
2017 *Apache Egypt.* Chronostratigraphy and Thermal Evolution Reconstruction of the Qarun area, Egypt. $72,500.
2017 *BHP Billiton.* Provenance and Thermal History of Barbados. $77,540.
2017 *Chevron.* Provenance and Thermal History Reconstruction in the S Atlantic. $104,000.
2016 *Apache Egypt.* Chronostratigraphy and Thermal Evolution Reconstruction of the Western Desert, Egypt. $268,150.

2015 *NSF IF MRI.* Acquisition of a Multicollector Inductively Coupled Plasma Mass Spectrometer for Earth Science Research at the University of Texas at Austin. $452,544.
2015 *NSF Tectonics.* Using the World's Fastest Slipping Normal Fault to Understand the Mechanics of Low-angle Normal Faults. $290,077.
2015 *Statoil*. Isotopic Provenance Constraints on Source to Sink System. $704,289.
2015 *ExxonMobile*. Thermal Evolution of the Iranian Zagros – Lorestan and Fars Provinces. $119,658.
2014 *NSF Tectonics.* Exhumation History of the Indian Lesser Himalaya: Discriminating Tectonic Models with Implications for the Neogene Isotopic Composition of Seawater. $361,772.
2014 *Chevron.* Detrital provenance and thermal evolution of the Kurdistan (Iraq) foreland. $19,000.
2014 *Chevron.* Thermal evolution of deep-water Paleogene Wilcox in the GOM. $20,000.
2014 *Apache Egypt*. Thermal and maturation evolution of Jurassic and Cretaceous strata in the Western Desert of Egypt. $155,000.
2014 *RWE DEA*. Thermochronometric constraints on normal faulting in the Nile Delta. $46,000.
2014 *Statoil*. Detrital geo- and thermochronometric provenance studies (4 years). $561,333.
2013 *NSF Tectonics*. Collaborative Research: Title: Collaborative Research: Paleogeographic record of contractional to extensional tectonics in the Sevier hinterland, Nevada. $298,000.
2013 *Apache Egypt.* Thermochronometric Investigation of the Thermal History and Maturation of Paleozoic strata of the Western Desert II and III, Egypt. $91,712.
2013 Various UTchron Laboratory Contracts 2012/2013 (<$30k academia/industry) totaling $391,737.
2013 *UT JSG Seed Grant*. Detrital geo- and thermochronometry of the Lower Miocene in the GOM, $9,000.
2012 *ExxonMobil*. Tectonic, temporal, and thermal evolution of hyper-extended continental margins, with the focus on the Alpine-North Atlantic system and application to analog extensional systems in the Central, South and Equatorial Atlantic. $200,000.
2012 *ExxonMobil.* Depositional and Deformational History of the Zagros Fold-Thrust Belt and Foreland Basin, Kirkuk Embayment, Iraqi Kurdistan. $845,409.
2012 *DOE Geothermal Technologies Program.* Novel Coupled Thermochronometric and Geochemical Investigation of Blind Geothermal Resources in Fault- Controlled Dilational Corners. $845,409.
2010 *Ecopetrol-ICP Contract*: Low-temperature thermochronological and neotectonic constraints from the Middle Magdalena Valley, Llanos basin, and Eastern Cordillera of Colombia (Phase 3). $616,635.
2010 *Apache Egypt.* Thermochronometric Investigation of the Thermal History and Maturation of Paleozoic strata of the Western Desert, Egypt. $149,972.
2009 *NSF Tectonics*. Collaborative Research: Timing, extent, and spatial progression of Neogene displacement transfer, southern Walker Lane, western Great Basin. $193,313.
2009 *DOE Geothermal Technologies Program.* Detachment faulting and Geothermal Resources – An Innovative Integrated Geological and Geophysical Investigation of Pearl Hot Spring, Nevada. $4,242,519 (including $1,943,282 in external industry cost-share).
2009 *DOD Geothermal Program Office.* Geological investigations, eastern Lava Mountains, Almond Mountain, and southern Slate Range, NAWS China Lake, CA. $780,000 (phase I and II). . (co-PI with J.D. Walker as lead PI)
2009 *Remora Oil Contract.* Detrital (U-Th)/He thermochronometry of the Llanos foreland basin, Colombia. $98,000.
2009 *NSF Instrumentation and Facilities.* Upgrade of the Laser Heating System for the (U-Th)/He laboratory at the University of Kansas. $76,500.
2008 *Ecopetrol-ICP Contract*: Low-temperature thermochronological and neotectonic constraints from the Middle Magdalena Valley, Llanos basin, and Eastern Cordillera of Colombia (Phase 2). $817,000.

2008 *Ecopetrol Contract*: Low temperature thermochronological and neotectonic constraints from the Middle Magdalena Valley, Llanos basin, and Eastern Cordillera of Colombia (Phase 1). $110,000.

2008 *Hocol S.A. Contract*: Servico en analysis de thermochronologi de baja temperature (U-Th/He en la Cordillera Oriental *(*Low-Temperature (U-Th)/He Thermochronometric Analyses in Eastern Cordillera, Colombia). $50,000.

2008 *National Geographic Society*. Dating Zircon Survivors in Multi-cycle Arc Volcanoes: a new Tool for Predicting Long-term Magmatic Periodicity? Co-PI with Axel Schmitt (UCLA), $17,400.

2008 *NSF Tectonics*. Collaborative Research: Development of extensional systems in regions of hot, thick crust: Insight from Tibet. $154,019 (co-PI with M. Taylor)

2007 *NSF Petrology and Geochemistry*. Magnetite (U-Th-Sm)/He Geochronology - A Novel Technique for Dating Continental and Oceanic Basalts. $200,036.

2007 *Navy Geothermal Program*. Thermochronometric Constraints on the Connection between Advection of Heat through Faulting and Nature of Geothermal Resource for the Hawthorne/Wassuk Range area, Nevada, $134,000.

2007 *NSF Tectonics*. Timing and Kinematics of Cenozoic of E-W Extension in Central Tibet Transition in the Strain Field of the Tibetan Plateau. Supplement $21,042.

2006 *Apache Egypt Oil Contract.* Thermochronometric Investigation of the SOKAR-1X Unconformity. $69,523.

2006 *NSF EarthScope*. 2006 GeoFrame Walker Lane initiative workshop proposal. $29, 814.

2005 *NSF Petrology and Geochemistry*. Development and calibration of rutile (U-Th)/He geo-and thermochronometry. $ 174,122.

2005 *NSF Instrumentation and Facilities.* Technician Support: (U-Th)/He laboratory at the University of Kansas [Phase I]. $203,374.

2005 *KU General Research Fund Grant.* Timing of ancient earthquakes by radiometric dating of frictional seismic melts – Development of zircon (U-Th)/He dating of pseudotachylites. $7,588.

2004 *NSF Tectonics*. Collaborative Research: Collaborative Research: Exhumation of the Colorado Plateau--spatial and temporal distribution and implications for landscape evolution. $118,818.

2004 *Geo-83 Geothermal Consortium*. Late Neogene structural and volcanic evolution of the northern Fish Lake Valley pull-apart basin, Esmeralda County, Nevada. $21,923.

2003 *NSF MARGINS.* Collaborative Research: Integrated thermochronological & structural investigation of the Saudi Arabian Red Sea rift margin: Implications for the rupturing of continental lithosphere. $189,287.

2003 *NSF Tectonics*. Timing and Kinematics of Cenozoic of E-W Extension in central Tibet Important Transition in the Strain Field of the Tibetan Plateau. $229,909.

2003 *Colorado College faculty grant*. (U-Th)/He thermochronometric constraints on the Neogene exhumation of the Front Ranges, Colorado. E. Leonard (Colorado College). $2,000 subcontract to Stockli.

2003 *ACS PRF TYPE B.* Thermochronological Evolution and Timing of Extension in the Hinterland of the Sevier Orogenic Belt, Northeastern Nevada. A. McGrew (University of Dayton). $6,000 subcontract to Stockli.

2002 *KU NFGRF*. Timing and Kinematics of Cenozoic E-W Extension in central Tibet- Transition in the Strain Field of the Tibetan Plateau. Award Amount: $10,000.

2002 *NSF Tectonics*. Collaborative Research: Late Cenozoic to Recent Fault Slip Distribution in the Central Walker Lane Belt, Western Nevada. Award Amount: $162,961.

2001 *NSF Tectonics*. Collaborative Research: Late Cenozoic Detachment Faulting in the Western Salton Trough: Strain Partitioning in an Oblique Active-Margin Rift. B. Dorsey (PI, University of Oregon) and others (3). $6,000 subcontract to Stockli.

2000 *NSF Tectonics*. Strain Partitioning During the Early Stages of Continental Collision: Uplift of the Alborz Mountains, Northern Iran. Grant to G. Axen (UCLA). $15,000 subcontract to Stockli/Farley (Caltech).

2000 *NSF Tectonics*. Inverse and Forward Modeling of the Utah System of Colorado Plateau Basement-Cored Uplifts. G. Davis (Univ of Arizona). $15,000 subcontract to Stockli/Farley (Caltech).

1999 *NSF Instrumentation and Facilities*, Setup of (U-Th)/He laboratory at Stanford University. M. McWilliams (Stanford University). Stockli as primary co-author.

1997 *NSF Tectonics*. Structural and thermal evolution of the Northern Basin and Range - Sierra Nevada transition zone. E. L. Miller (Stanford University). Stockli as primary co-author.

Professional Service:

Professional Activities:

2023- Subject Editor for Journal of the Geological Society of London
2019- Co-instructor of UNIS Graduate Course 815 in Svalbard (~10 days/year)
2019-22 GSA Student Research Grant Review Committee, Member
2018-22 GSA International Committee, Member
2018- International Thermochronology Standing Committee, Member
2013-15 GSA Structure and Tectonics Career Award (chair and member)
2013-15 Editorial Board Lithosphere
2008-10 NSF Margins initiative steering committee member
2008 Scientific Program Committee member 11th Int. conference on thermochronometry
2007 Convener for GeoEarthScope-MARGINS interface workshop, Monterey, California
2006 Advisory committee to ISES (Integrated Solid Earth Sciences) imitative
2006 Chair of EarthScope GeoSwath Walker Lane EarthScope initiative
2006 Organization of EarthScope GeoSwath Walker Lane workshop, Reno
2005 NSF workshop participant: Paleoelevation and paleoaltimetry, Lehigh University
2005 GAC-MAC Short Course Speaker, Halifax, Canada
2005 GSA Penrose conference co-organizer with J. Lee (Central Washington University), C. Henry (Univ. Nevada Reno), and T. Dixon (Miami University). Kinematics and geodynamics of intra-plate dextral shear in eastern California and western Nevada. Mammoth Lakes, California,
2003 Integrated Solid Earth Sciences workshop (invited forum leader - geochronology)
2003 NSF-NAGT workshop participant: Teaching Petrology in the 21st Century
2003 American Association of Petroleum Geologists Meeting, Session Organizer
2002 Integrated Solid Earth Sciences Cyberinfrastructure workshop at the University of Kansas, Spearheading database development for Geochronology and Thermochronology.

Reviewer of Manuscripts for:

American Journal of Science, Chemical Geology, Earth and Planetary Sciences Letters, Geological, Society of America Bulletin, Geological Society of America Special Papers, Geology, Geophysical Journal International, Geochimica et Cosmochimica Acta, G^3, Reviews in Mineralogy and Geochemistry, Tectonics, Geosphere.

Reviewer of Proposals to:

National Science Foundation (Tectonics, EarthScope, Geophysics, Geology and Paleontology, Petrology and Geochemistry, Research in Undergraduate Institutions Activity (RUI), Instrumentation and Facilities, Continental Dynamics Program), American Chemical Society - Petroleum Research Fund, NERC (UK), German National Science Foundation, Austrian National Science Foundation, Israeli National Science Foundation.

Field Trip Leader:

2024 Leader GEO 428 Structural Geology field trip to Big Bend (4 days)
2024 Leader of DGS Tectonics trip to Greece (2 weeks)
2024 Co-leader of UNIS Field Course in Svalbard, Norway (10 days)
2023 Leader GEO 428 Structural Geology field trip to Big Bend (4 days)
2022 Leader of DGS Tectonics trip to Switzerland/Italy (2 weeks)
2019 Leader of DGS Tectonics trip to Morocco (2 weeks)
2018 Expedition Co-leader Verkhoyansk Fold-and-Thrust Belt Traverse (3 weeks)
2018 Co-leader UT Field Trip Romania (1 week)
2015 Expedition Co-Leader to Zabargad Island, Red Sea (1 week)
2015 Co-leader Advance Structure Field trip to Big Bend
2014 Co-leader of UT Tectonics field trip to NW Ireland (1 week)
2014 UT Geology Honors Program field trip to Colorado Plateau (1 week)
2013 Industry field trip to the Gulf of Suez (1 week)
2013 UT Tectonics field trip to Attica and Cycladic Islands, Greece (2 weeks)
2012 UT Tectonics field trip to Lower Colorado River Extensional Complex (1 weeks)
2011 UT field trip to Sevier F&T belt and foreland basin (co-leader with Dr. B. Horton) (2 weeks)
2010 Swiss Alps Study Tour (co-leader with Dr. P. Selden) (2 weeks)
2001- KU Advanced field camp (incl. weekend field trip) (3 weeks)
2009 KU Geology field trip to southern Utah (co-leader with Dr. D. Kamola)
2008 KU Petrology field trip to California (Sierra Nevada to Franciscan)
2007 KU Mineralogy field trip to Kansas kimberlites
2006 KU Geology field trip to southern Utah (co-leader with Dr. D. Kamola)
2006 KU Geology field trip to eastern California (co-leader with Dr. A. Walton)
2005 Field Trip– Geological Society of America Penrose Conference - Kinematics and Geodynamics of Intraplate Dextral Shear in Eastern California and Western Nevada (co-leader with Dr. J. Lee)
2004 KU Geology field trip to central Utah (co-leader with Dr. D. Kamola)
2004 KU Microstructure field trip to Whipple Mountains, CA
2003 KU Geology field trip to Lake Superior Province (co-leader with Dr. W. R. Van Schmus)
2003 KU Petrology field trip to SE Missouri
2002 KU Geology field trip to southern Utah (co-leader with Dr. D. Kamola)
2001 KU Petrology field trip to SE Missouri
2001 Caltech postdoctoral scholars field trip to the Whipple Mountains, CA
2000 Caltech postdoctoral scholars field trip to Owens Valley, CA
1999 Stanford Alpine Project field trip to New Zealand
1998 University of Muenster field trip to Franciscan Complex, CA
1997 Stanford Alpine Project field trip to South Africa

University Service:

University and College Service:

2020-2022 Member University of Texas Faculty Council
2020-2022 Member University of Texas Faculty Council – Parking & Transportation subcommittee
2020 Member Plates4D JSG Postdoc Search Committee
2019 University of Texas Cluster & Interdisciplinary Hiring Initiative Review Committee
2018 University of Texas MRI Review Committee, Member
2018 Member Petrography Researcher Search Committee (BEG)
2014-2017 Member Jackson School of Geosciences Strategic Planning Committee
2108 QCL BEG Search Committee (Petrographer)
2016 QCL BEG Search Committee (QCL Research Scientist)
2011-2017 Chair of Jackson School Solid Earth and Tectonic Processes Research Theme
2008-2011 Chair of Provost's Tracking of Learning Initiative (College of Liberal Arts and Sciences)

2006-2010 Member of Academic Misconduct Panel KU College of Liberal Arts
2006-2008 Instructor of Honors Program Freshman Tutorials
2005-2007 KU Athletics Dept. Scholarship Appeals Board
2001-2010 Guest lecturer in Mineral Symmetry for School of Fine Arts

Departmental Service:

2021- Chair Dept. of Geological Sciences/Earth and Planetary Sciences
2020 Chair DGS COVID-19 Online Instruction Committee
2019-20 Chair DGS Award Committee
2019 Chair Promotion and Tenure Committee (Lavier)
2019 Member Geophysics Faculty Search Committee
2017 Member Endowed Professor Structure & Tectonics Search Committee
2017 Member of DGS Post-Tenure Evaluation Committee
2017 Member Ad-hoc Tech Support and IDC Return Committee
2016 Member of External and Internal DGS Chair Search Committee
2015-16 Member Dept. of Geological Sciences Strategic Planning Committee
2014-15 Chair Annual Faculty Performance Evaluation Committee
2013 Chair Promotion and Tenure Committee (Ketcham)
2011-2017 Organization of Prospective Student Weekend (Solid Earth and Tectonic Processes)
2011-2013 Jackson School Endowment Committee (Alternate)
2011-2016 Structure and Tectonics Discipline Curriculum Committee
2011-2016 Geochemistry and Geo- and Thermochronology Discipline Curriculum Committee
2011-2104 Member of UT Jackson School Admission Committee
2010-2011 Member of KU Internal Dept Review
2009-2011 Chairman, KU Geology Graduate Admission
2006-2007 Chairman, KU Search Committee – Geochronology
2006-2008 KU Dept. of Geology Honors Program Coordinator
2006-2009 KU Dept. of Geology Webmaster
2004-2010 KU Dept. of Geology Graduate Admissions Committee (Chair and Member)
2004-2006 Organizer of KU Dept. Colloquium Series
2003-2004 Member, KU Search Committee - Neotectonics
2003-2004 Chairman, KU Search Committee – Thermochronology Research Associate
2003-2010 Member, KU Associates Board Student-Alumni Relations Faculty Subcommittee
2001-2002 Member, KU Search Committee - Geophysics
2002-2004 Member, KU Graduate Studies Committee
2002-2009 Organizer and Convener of G-Hawk Symposium Student Symposium
2002-2010 Member, KU Field Camp Committee
2001-2003 Member, KU Graduate Studies Committee
2001-2003 Member, Geology Web Site Committee

Publications and Presentations

*Refereed Publications: (*indicates graduate advisee, **postdoctoral advisee) – updated Jan 2026*

H-factor: 84 (56 since 2021); Total Citations: 24,252 (12,115 since 2021) based on Google Scholar

Flansburg, M.E.*, Stockli, D.F., Poulaki, E.M.*, Soukis, K., and Stockli, L.D., 2026, Permian mylonites in the footwall of a Miocene Cycladic core complex (Ios, Greece): Insights from (micro)structurally integrated apatite U-Pb petrochronology. Earth and Planetary Science Letters, v. 679

Peris, S., Griera, A., Gómez-Gras, D., Stockli, D.F, and Teixell, A., 2026, From compression to extension in the Eastern Pyrenees: New insights from low-temperature thermochronology. Tectonics, 45, e2025TC009000

Juárez-Zúñiga, S.*, Stockli, D.F., Lawton, T.F., and Kerans, C., 2025, Ancestral Rocky Mountain deformation in south-central New Mexico, USA: Insights from detrital zircon U–Pb and (U–Th)/He dating in the Orogrande Basin. *Geosphere* 2025; doi: https://doi.org/10.1130/GES02884.1

Liu, X.M., Liu, L., Zhu, D.C., Cawood, P.A., Blum, M.D., Zhang, L.L., Wang, Y., Lu, Y., Wang, Q., Chang, Y.X. and Stockli, D.F., 2025. Erasure of zircon rims by sediment transport after two orogenic cycles. *Geology*, *53*(11), pp.988-992.

Abati, J., Castro, A., Gómez-Frutos, D., Gutiérrez-Alonso, G., and Stockli, D.F., 2025, Andean-type granites in a non-Andean post-collisional setting, Central System batholith, Spain. *GSA Bulletin* 2025; doi: https://doi.org/10.1130/B38612.1

Conrad, E.M., Faccenna, C. and Stockli, D.F., 2025. Shortening, Exhumation, and "Flip" in Tectonic Vergence of the Cordillera Central and Southern Dominican Republic. *Tectonics*, *44*(10), p.e2025TC009125.

Ershova, V., Stockli, D.F., Gaina, C., Khudoley, A. and Shimanskiy, S., 2025. When Big Rivers Started to Drain to the Arctic Basin: A View from the Kara Sea. *Geosciences*, *15*(9), p.342.

Ferrill, D.A., Cawood, A.J., Smart, K.J., Lehrmann, D.J., Evans, M.A., Stockli, L.D. and Stockli, D.F., 2025. Fault zone deformation and fracture intensity in chalk-dominated carbonates. *Journal of Structural Geology*, p.105469.

Foster-Baril, Z.*, Hinshaw, E.*, Stockli, D.F., Bailey, C. and Setera, J.B., 2025. Duration and Geochemical Evolution of Triassic and Jurassic Magmatism along the Eastern North American Margin. Geosphere.

Walker, S.R., Çemen, İ., Wielicki, M.W., Tew Jr, B.H. and Stockli, D.F., 2025. Edge-Driven Convection-Based Models for Evolution of the Mississippi Embayment and Associated Alkaline Magmatism. *Extensional Tectonics: Rifting and Continental Extension*, *2*, pp.199-228.

Szymanski, E.* and Stockli, D.F., 2025. 40Ar/39Ar chronostratigraphy and geochemistry of Harrats Ishara and Kura in the Hamd–Jizl Basin, Madinah, Saudi Arabia. *Geological Society, London, Special Publications*, *550* (1).

Senger, K., Shephard, G., Ammerlaan, F., Anfinson, O., Audet, P., Coakley, B., Ershova, V., Faleide, J.I., Grundvåg, S.A., Horota, R.K., Stockli, D.F., and Iyer, K., 2024. Arctic Tectonics and Volcanism: a multi-scale, multi-disciplinary educational approach. *Geoscience Communication*, 7(4), pp.267-295.

Janocha, J., Grundvåg, S.A. and Stockli, D.F., 2024. The Upper Devonian to Lower Carboniferous Billefjorden Group on Bjørnøya, Svalbard, and Its North-Eastern Greenlandic Provenance. *Basin Research*, 36(6), p.e70009.

Malkowski, M.A., Sickmann, Z.T., Fregoso, T., McKee, L., Stockli, D.F. and Jaffe, B., 2024. Reversal in estuarine sand supply driven by Holocene sea level rise: A model for sand transport in large structural estuaries, San Francisco Bay, California, USA. *Earth and Planetary Science Letters*, *643*, 118887.

Mackaman-Lofland, C., Lossada, A.C., Fosdick, J.C., Litvak, V.D., Rodríguez, M.P., del Llano, M.B., Ketcham, R.A., Stockli, D.F., Horton, B.K., Mescua, J. and Suriano, J., 2024. Unraveling the tectonic evolution of the Andean hinterland (Argentina and Chile, 30° S) using multi-sample thermal history models. *Earth and Planetary Science Letters*, *643*, 118888.

Stockli, D.F., Snedden, J.W., Lawton, T.F., Albertson, M. and Pasley, J., 2024. Reconstructing the Zama (Mexico) discovery source to sink story, Part I; detrital zircon U–Pb and (U-Th)/He provenance analysis and implications for sediment source terranes. *Basin Research*, *36*(5), p.e12899.

Coll, X. Gómez-Gras, D., Roigé, M., Stockli, D.F., Teixell, A., and Boya, S., 2024. Detrital-zircon U-Pb and (U-Th)/He double-dating provenance signatures in the Jaca foreland basin: interplay of direct vs. recycled sources during Pyrenean orogenic growth. *Journal of Sedimentary Research*, 94 (4), p. 467–487.

Jacob P. Helper, Jaime D. Barnes, J. Maarten de Moor, Alejandro Rodríguez, Samuele Agostini, George Segee-Wright, Rudra Chatterjee, Stockli, D.F., Cycling of fluid-mobile elements through the forearc: Insights from the Cl, B, and Li isotope composition of Costa Rican spring fluids. *Geochimica et Cosmochimica Acta*, 377, p. 52-67.

Ross, C.H.*, Stockli, D.F., Erickson, T. and Gulick, S.P., 2024. Zircon (U-Th)/He impact crater thermochronometry and the effects of shock microstructures on He diffusion kinetics. *Geochimica et Cosmochimica Acta*, 373, p. 308-325.

Gabriela Gutiérrez, E.* and Stockli, D.F., 2024. Fluvial response to Late Pleistocene–Holocene climate change in the Colorado River drainage, central Texas, USA: REPLY. *Geology*, 52(5), p.e577-e577.

Odlum, M.L.*, Capaldi, T.N., Thomson, K.D.* and Stockli, D.F., 2024. Tracking cycles of Phanerozoic opening and closing of ocean basins using detrital rutile and zircon geochronology and geochemistry. *Geology*, 52(5), p. 357-361.

Do Amaral Santos, E., Jelinek, A.R., Genezine, F.A. and Stockli, D.F., 2024. The influence of lithospheric inheritance and Cenozoic magmatism on Phanerozoic rock cooling in the São Francisco Craton and adjacent orogens. *Gondwana Research*, 129, p. 36-52.

Fink, J., Tremblay, M.M., Tobin, T.S., Stockli, L.D., Stockli, D.F. and Ickert, R.B., 2024. Diagenesis of fossil gar fish scales with implications for geochronology and paleoenvironmental applications. *Geochimica et Cosmochimica Acta*, 372, p. 196-213.

Seymour, N.M., Singleton, J.S., Gomila, R., Arancibia, G., Ridley, J., Gevedon, M.L., Stockli, D.F. and Seman, S.M., 2024. Sodic-calcic alteration and transpressional shear along the Atacama fault system during IOCG mineralization, Copiapó, Chile. *Mineralium Deposita*, p. 1-29.

Mortimer, N., Lee, J. and Stockli, D.F., 2024. Terrane and core complex architecture of the Otago Schist in the Dunstan and Cairnmuir Mountains, New Zealand, from U-Pb and (U-Th)/He zircon dating. *New Zealand Journal of Geology and Geophysics*, 67(2), pp.195-208.

Beaudoin, G.M., Barnes, J.D., Orlandini, O.F., Chatterjee, R., Stockli, D.F. and John, T., 2024. Halogen (F, Cl, Br, and I) devolatilization during prograde subduction: Insights from Western Alps ophiolites. *Geochemistry, Geophysics, Geosystems*, 25(4), p.e2023GC011295.

Hinshaw, E.R.*, Stockli, D.F. and Soukis, K., 2024. Coherent underplating of HP–LT blueschist packages and basement during Hellenic subduction recorded by zircon U–Pb data, Pelion, Greece. *Journal of the Geological Society*, 181(2), pp.jgs2023-147.

Tewksbury-Christle, C.M., Behr, W.M., Helper, M.A. and Stockli, D.F., 2024. Tectonic evolution of the Condrey Mountain Schist: An intact record of Late Jurassic to Early Cretaceous Franciscan subduction and underplating. *Tectonics*, 43(3), p.e2023TC008115.

Lawton, T.F., Juárez-Arriaga, E., Stockli, D.F. and Fildani, A., 2024. Modern sand provenance and transport across the western Gulf of Mexico margin. Geological Society of America Bulletin, 136(3-4), p. 1127-1150.

Thoresen, H.E., Cassel, E.J., Smith, M.E., Stockli, D.F. and Jicha, B.R., 2024. Stratigraphic and geochronologic investigation of the Muddy Creek Basin: Implications for the Eocene tectonic evolution of southwest Montana, USA. *Geological Society of America Bulletin*, 136 (9-10), p. 3619–3633.

Ershova, V., Prokopiev, A. and Stockli, D.F., 2024. Provenance of Detrital Rutiles from the Triassic–Jurassic Sandstones in Franz Josef Land (Barents Sea Region, Russian High Arctic): U-Pb Ages and Trace Element Geochemistry. *Geosciences*, 14(2), p. 41.

Ascanio-Pellon, P.*, Stockli, D.F., Ruiz-Arriaga, D. and Stockli, L., 2024. Insights into Caribbean tectonics from a detrital zircon U-Pb provenance study of siliciclastic strata in western and central Cuba. *Geological Society of America Bulletin*, 136 (7-8), p. 3207–3229.

Snedden, J.W., Rowan, M.G., Stockli, D.F., Albertson, M. and Pasley, J., 2024. Reconstructing the Zama (Mexico) discovery source to sink palaeogeography, Part II: Sediment routing from the Late Miocene shelf-margin to deepwater basin. *Basin Research*, 36(1), p.e12849.

Garza, H.K., Catlos, E.J., Brookfield, M.E., Malkowski, M.A., Chamberlain, K.R., Loewy, S.L. and Stockli, D.F., 2024. Detrital U-Pb ages for the first well-preserved vascular plant Cooksonia from the UK and Irish macrofossil record. *Geological Magazine*, 161, p.e19.

Parisi, A.F., Catlos, E.J., Brookfield, M.E., Schmitt, A.K., Stockli, D.F., Miggins, D.P. and Campos, D.S. (2024), The Ordovician meteorite event in North America: Age of the Slate Islands impact structure, northern Lake Superior, Ontario, Canada. *Meteoritics and Planetary Science,* 59, p. 1751-1774.

Dickerson, P.W., Stockli, D.F., Rodríguez Calzado, E.*, 2024, Neoproterozoic-Early Paleozoic rifting in central southern Laurentia-Zircon U-Pb geochronological evidence from the Devils River Uplift, West Texas, United States, in Chiarella, D., Scarselli, N., and Adam, J., eds., Phanerozoic rift systems and sedimentary basins, *Regional Geology and Tectonics*, v. 2, p. 85-100.

Ugurhan, M., Elliott, B.A., Kyle, J.R., Stockli, D.F. and Mathur, R., 2024. Geochemical evolution of the REE-enriched Cave Peak porphyry Mo-deposit, Trans-Pecos Texas, USA. *Lithos*, 464, 107434.

Laskari, S.*, Soukis, K., Lozios, S. and Stockli, D.F., 2024. Switching from the top-NW backthrusting to top-SE post-orogenic deformation in the Aegean domain: Insights from the calcite microfabric and siliciclastic rocks of the Amorgos Unit (SE Cyclades, Greece). *Journal of Structural Geology*, 178, 105011.

Kortyna, C.*, Stockli, D.F., Lawton, T.F., Covault, J., and Sharman, G., 2023, Impact of Border rift structural inheritance on Laramide rivers of the Tornillo basin, west Texas: Insights from detrital zircon provenance. *Geosphere*, 19 (6), p. 1747–1787.

Liu, L.**, Han, J., Pei, J., Stockli, D.F., You, L., Stockli, L.D., Zhang, J., Gong, C. and Zhu, D., 2023. Wide shelves as discriminators between hinterland tectonic and intra-basin rifting signals. *Earth and Planetary Science Letters*, 620, p.118347.

Hinshaw, E.*, Stockli, D.F. and Soukis, K., 2023, Zircon and apatite U-Pb constraints on the tectonic affinity and metamorphic history of the blueschist-facies Ambelakia unit, Mt. Ossa, Greece. *Tectonics*, 42(5), p.e2022TC007608.

Poulaki, E.M.*, Stockli, D.F. and Shuck, B., 2023, Pre-subduction architecture controls coherent underplating during subduction and exhumation (Nevado-Filábride Complex, Southern Spain). *Geochemistry, Geophysics, Geosystems*, 24(3), p.e2022GC010802.

Flansburg, M.E.*, Poulaki, E.M.*, Stockli, D.F. and Soukis, K., 2023, Coeval Miocene exhumation of the Cycladic Blueschist Unit and the Cycladic Basement in the southern Cyclades, Ios and Sikinos, Greece. *Terra Nova*, *35*(2), pp.124-133.

Mavor, S.P., Bennett, S.E., Crow, R.S., Singleton, J.S., Langenheim, V., Stockli, D., Stelten, M., Brickey Sr, T.A., Umhoefer, P.J. and Beard, L.S., 2023. Evolution of Miocene normal and dextral faulting in the lower Colorado River region near Blythe, California, USA. *Geosphere*, 19(5), p. 1180-1209.

Foster-Baril, Z.S.* and Stockli, D.F., 2023. Detrital zircon and apatite U-Pb provenance and drainage evolution of the Newark Basin during progressive rifting and continental breakup along the Eastern North American Margin, USA. *Geosphere*, 19(5), pp.1452-1475.

Gutiérrez, E.G.* and Stockli, D.F., 2023. Fluvial response to Late Pleistocene–Holocene climate change in the Colorado River drainage, central Texas, USA. *Geology*, 51(10), pp.929-934.

Roigé, M.*, Gómez-Gras, D., Stockli, D.F., Teixell, A., Boya, S. and Poyatos-Moré, M., 2023. Recycling effects in detrital zircon U-Pb signatures in a foreland basin: Identifying the multicyclic sediment sources of the Eocene-Miocene Jaca basin (southern Pyrenees, Spain). *Sedimentary Geology*, 456, p. 106500.

Rivera-García, J.J., Ramírez-Fernández, J.A., Velasco-Tapia, F., Salinas-Jasso, J.A., Orozco-Esquivel, M.T., Stockli, D.F., Leal-Cuellar, V.A. and Elizondo-Pacheco, L.A., 2023. Constraints on the origin of the Cenozoic intraplate Aldama volcanic field, Tamaulipas, NE México. *Journal of South American Earth Sciences*, 129, p.104508.

Haproff, P.J., Levy, D.A., Zuza, A.V., Hooker, J.D., Heizler, M.T., Stockli, D.F. and Braza, M., 2023. Cenozoic kinematic histories of the Tidding and Lohit thrusts in the northern Indo-Burma Ranges: Implications for crustal thickening and exhumation of Gangdese lower arc crust along the Indus-Yarlung suture zone. *GSA Bulletin*, 135(7-8), pp.1967-1992.

Do Amaral Santos, E.*, Jelinek, A.R., Stockli, D. and Genezine, F.A., 2023. Contrasting thermal histories in the Dom Feliciano Belt triggered by magmatism related to the Paraná-Etendeka LIP and fracture zone proximity. *Tectonophysics*, 857, p.229841.

Gallen, S.F., Seymour, N.M., Glotzbach, C., Stockli, D.F. and O'Sullivan, P., 2023. Calabrian forearc uplift paced by slab–mantle interactions during subduction retreat. *Nature Geoscience*, pp.1-8.

Palacios-García, N.B., Fitz-Díaz, E., Stockli, L.D. and Stockli, D.F., 2023. U–Pb calcite dating of brittle deformation in Permian carbonates within the Chicomuselo fold and thrust belt, SE Mexico. *Journal of Structural Geology*, 171, p.104863.

Chandra, R., Kowser, N., Brookfield, M.E., Satyanarayanan, M. and Stockli, D.F., 2023. Nature of the Shyok (Northern) Suture Zone between India and Asia: petrology, geochemistry and origin of the Tirit granitoids and associated dykes (Nubra Valley Ladakh Himalaya, NW India). *Geological Magazine*, 160(5), pp.1020-1039.

Segee-Wright, G., Barnes, J.D., Lassiter, J.C., Holmes, D.J., Beaudoin, G.M., Chatterjee, R., Stockli, D.F., Hoffmann, J.E. and John, T., 2023. Halogen enrichment in the North American lithospheric mantle from the dehydration of the Farallon plate. *Geochimica et Cosmochimica Acta*, 348, pp.187-205.

Calle, A.Z., Horton, B.K., García, R., Anderson, R.B., Stockli, D.F., Flaig, P.P. and Long, S.P., 2023. Sediment dispersal and basin evolution during contrasting tectonic regimes along the western Gondwanan margin in the central Andes. *Journal of South American Earth Sciences*, 125, p.104286.

Kyle, J.R., Stockli, D.F., McBride, E.F. and Elliott, B.A., 2023. Covering the Great Unconformity in southern Laurentia during Rodinia breakup: Detrital zircon studies of provenance evolution during Cambrian marine transgression (Llano Uplift, Texas). *GSA Bulletin*, 135(5-6), pp.1163-1177.

Lee, J., Stockli, D.F. and Blythe, A.E., 2023. Cenozoic slip along the southern Sierra Nevada normal fault, California (USA): A long-lived stable western boundary of the Basin and Range. *Geosphere*.

Liu, L.**, Xu, J., Stockli, D.F., Lawton, T.F. and Blakey, R.C., 2023. Decoding post-orogenic sediment recycling and dispersal using detrital zircon core and rim ages. *Basin Research*, 35(2), pp.489-509.

Mortimer, N., Lee, J. and Stockli, D.F., 2023. Terrane and core complex architecture of the Otago Schist in the Dunstan and Cairnmuir Mountains, New Zealand, from U-Pb and (U-Th)/He zircon dating. *New Zealand Journal of Geology and Geophysics*, pp.1-14.

Roquer, T., Arancibia, G., Seymour, N.M., Veloso, E.E., Rowland, J., Stockli, D.F., Jöns, N. and Morata, D., 2023. Fault-Driven Differential Exhumation in a transpressional Tectonic Setting: A Combined microstructural and thermochronologic approach from the Liquiñe-Ofqui Fault System, Southern Andes (39° S). *Tectonics*, 42(2), p.e2022TC007229.

Dickerson, P.W., Hall, B.R., Stockli, D.F., Stockli, L.D., Hanson, R.E., Fanning, C.M. and O'Sullivan, P., 2023. Pre-Pangean evolution of central southern Laurentia: Insights from zircon U/Pb geochronology, Marathon-Solitario fold-and-thrust belt, west Texas.

Lawton, T.F., Juárez-Arriaga, E.*, Stockli, D.F. and Fildani, A., 2023. Modern sand provenance and transport across the western Gulf of Mexico margin. *GSA Bulletin*.

Flowers, R.M., Zeitler, P.K., Danišík, M., Reiners, P.W., Gautheron, C., Ketcham, R.A., Metcalf, J.R., Stockli, D.F., Enkelmann, E. and Brown, R.W., 2023. (U-Th)/He chronology: Part 1. Data, uncertainty, and reporting. *GSA Bulletin*, 135(1-2), pp.104-136.

Flansburg, M.E.* and Stockli, D.F. 2023, Progressive Miocene unroofing of the Big Maria and Riverside Mountains (southeastern California, USA) along the southwestern margin of the Colorado River extensional corridor. *Geosphere*, 19(3), pp.676-694.

Griffis, N., Tabor, N.J., Stockli, D.F, and Stockli, L., 2023. The Far-Field imprint of the late Paleozoic Ice Age, its demise, and the onset of a dust-house climate across the Eastern Shelf of the Midland Basin, Texas. *Gondwana Research*, *115*, pp.17-36.

Solís-Alulima, B., Abati, J., López-Carmona, A., Gutiérrez-Alonso, G., Fernández-Suárez, J. and Stockli, D.F., 2023. Hf isotopes in detrital zircon grains of the Sierra Albarrana Domain (SW Iberian Massif): Eburnean vs. Archaean basement signatures. *Journal of the Geological Society*, pp.jgs2022-151.

Pindell, J., Villagómez, D., Molina Garza, R., Beltrán, A., Stockli, D.F. and Wildman, M., 2023. Late Cretaceous–Miocene depositional evolution of Chiapas, Mexico: A foreland controlled by collision of Greater Antilles arc and the subsequent relative migration of the Chortís Block. *Gondwana Research*, *113*, pp.116-143.

de Graaff, S.J., Ross, C.H.*, Feignon, J.G., Kaskes, P., Gulick, S.P., Goderis, S., Déhais, T., Debaille, V., Ferrière, L., Koeberl, C. and Mattielli, N., and Stockli, D.F, 2023. The Chicxulub impact structure reveals the first in-situ Jurassic magmatic intrusions of the Yucatán Peninsula, Mexico. *Lithos*, *436*, p.106953.

Flansburg, M.E.*, Poulaki, E.M.*, Stockli, D.F. and Soukis, K., 2022. Coeval Miocene exhumation of the Cycladic Blueschist Unit and the Cycladic Basement in the southern Cyclades, Ios and Sikinos, Greece. *Terra Nova*, 35(2), pp.124-133.

Colleps, C.L., Mckenzie, N.R., Van Der Beek, P., Guenthner, W.R., Sharma, M., Nordsvan, A.R. and Stockli, D.F., 2022. Assessing the long-term low-temperature thermal evolution of the central Indian Bundelkhand craton with a complex apatite and zircon (U-Th)/He dataset. *American Journal of Science*, *322*(10), pp.1089-1123.

Catlos, E.J., Broska, I., Kohut, M., Etzel, T.M., Kyle, J.R., Stockli, D.F., Miggins, D.P. and Campos, D., 2022. Geochronology, geochemistry, and geodynamic evolution of Tatric granites from crystallization to exhumation (Tatra Mountains, Western Carpathians). *Geologica Carpathica*, *73*(6), pp.517-544.

Mason, C.C., Romans, B.W., Patterson, M.O., Stockli, D.F. and Fildani, A., 2022. Cycles of Andean mountain building archived in the Amazon Fan. *Nature Communications*, *13*(1), p.6983.

Ershova, V., Prokopiev, A., Stockli, D., Kurapov, M., Kosteva, N., Rogov, M., Khudoley, A. and Petrov, E.O., 2022. Provenance of the Mesozoic succession of Franz Josef Land (north-eastern Barents Sea): Paleogeographic and tectonic implications for the High Arctic. *Tectonics*, *41*(11), p.e2022TC007348.

Anfinson, O.A., Odlum, M.L.*, Piepjohn, K., Poulaki, E.M.*, Shephard, G.E., Stockli, D.F., Levang, D., Jensen, M.A. and Pavlovskaia, E.A., 2022. Provenance Analysis of the Andrée Land Basin and Implications for the Paleogeography of Svalbard in the Devonian. *Tectonics*, *41*(11), p.e2021TC007103.

Ershova, V., Prokopiev, A., Stockli, D., Zbukova, D. and Shmanyak, A., 2022. Provenance and Stratigraphy of the Upper Carboniferous—Lower Permian Strata of October Revolution Island (Severnaya Zemlya Archipelago): Implications for Geological History of the Russian High Arctic. *Minerals*, *12*(10), p.1325.

Liu, L.**, Xu, J., Stockli, D. F., Lawton, T. F., & Blakey, R. C. (2022). Decoding post-orogenic sediment recycling and dispersal using detrital zircon core and rim ages. *Basin Research*, 00, 1– 21.

Poulaki E.M.* and Stockli D.F., 2022, The paleotectonic evolution of the western Mediterranean: provenance insights from the internal Betics, southern Spain. *Front. Earth Sci.*, 10:929502. doi: 10.3389/feart.2022.929502

Laskari, S.*, Soukis, K., Stockli, D.F., Lozios, S. and Zambetakis-Lekkas, A., 2022. Reconstructing the southern Pelagonian domain in the Aegean Sea: Insights from U-Pb detrital zircon analysis, lithostratigraphic and structural study, and zircon (U-Th)/He thermochronology on Amorgos Island (SE Cyclades, Greece). *Gondwana Research*, *106*, pp.329-350.

Kotowski, A.J.*, Cisneros, M., Behr, W.M., Stockli, D.F., Soukis, K., Barnes, J.D. and Ortega-Arroyo, D., 2022. Subduction, underplating, and return flow recorded in the Cycladic Blueschist Unit exposed on Syros, Greece. *Tectonics*, *41*(6), p.e2020TC006528.

Beaudoin, G.M., Barnes, J.D., John, T., Hoffmann, J.E., Chatterjee, R.** and Stockli, D.F., 2022. Global halogen flux of subducting oceanic crust. *Earth and Planetary Science Letters*, *594*, p.117750.

Capaldi, T., Odlum, M.*, Curry, M. and Stockli, D.F., 2022. Variable thermal histories across the Pyrenees orogen recorded in modern river sand detrital geo-/thermochronology and PECUBE thermokinematic modelling. *Basin Research*, vol. 34, Issue 5, Sep 2022, p. 1781-1806

Corrêa, R.S., Ukar, E., Laubach, S.E., Aubert, I., Lamarche, J., Wang, Q., Stockli, D., Stockli, L. and Larson, T., 2022. Episodic reactivation of carbonate fault zones with implications for permeability–An example from Provence, Southeast France. *Marine and Petroleum Geology*, p.105905.

Mackaman-Lofland, C., Horton, B.K., Ketcham, R.A., McQuarrie, N., Fosdick, J.C., Fuentes, F., Constenius, K.N., Capaldi, T.N., Stockli, D.F. and Alvarado, P., 2022. Causes of variable shortening and tectonic subsidence during changes in subduction: Insights from flexural thermokinematic modeling of the Neogene southern central Andes (28–30 S). *Tectonics*, *41*(8), p.e2022TC007334.

Poulaki, E.M.* and Stockli, D.F., 2022. The paleotectonic evolution of the western Mediterranean: provenance insights from the internal Betics, southern Spain. *Frontiers in Earth Science*, *10*, p.929502.

Fan, S., Murphy, M.A., Whipp, D.M., Saylor, J.E., Copeland, P., Hoxey, A.K., Taylor, M.H. and Stockli, D.F., 2022. Megathrust Heterogeneity, Crustal Accretion, and a Topographic Embayment in the Western Nepal Himalaya: Insights from the Inversion of Thermochronological Data. *Tectonics*, *41*(7), p.e2021TC007071.

Malusà, M.A., Anfinson, O.A.**, and Stockli, D.F., 2022, (Mis) Identification of magmatic and exhumation ages by detrital zircon UPb and He double dating: A case study from the Bergell-Gonfolite system (European Alps). Chemical Geology.

Odlum, M.L.*, Levy, D.A., Stockli, D.F., Stockli, L.D. and DesOrmeau, J.W., 2022. Deformation and metasomatism recorded by single-grain apatite petrochronology. *Geology*, *50*(6), pp.697-703.

Liu, L.*, Stockli, D.F., Lawton, T.F., Xu, J., Stockli, L.D., Fan, M. and Nadon, G.C., 2022. Reconstructing source-to-sink systems from detrital zircon core and rim ages. *Geology*, *50*(6), pp.691-696.

Villagomez, D., Steffensen, C., Pindell, J., Molina-Garza, R.S., Gray, G., Graham, R., O'Sullivan, P., Stockli, D. and Spikings, R., 2022. Tectono-sedimentary evolution of Southern Mexico. Implications for Cretaceous and younger source-to-sink systems in the Mexican foreland basins and the Gulf of Mexico. *Earth-Science Reviews*, p.104066.

Xu, J., Snedden, J.W., Fulthorpe, C.S., Stockli, D.F., Galloway, W.E. and Sickmann, Z.T., 2022. Quantifying the relative contributions of Miocene rivers to the deep Gulf of Mexico using detrital zircon geochronology: Implications for the evolution of Gulf Basin circulation and regional drainage. *Basin Research*, *34*(3), pp.1143-1163.

Martin, A.J., Domènech, M., Stockli, D.F. and Gómez-Gras, D., 2022. Provenance and maximum depositional ages of Upper Triassic and Jurassic sandstone, north-eastern Mexico. *Basin Research*, *34*(3), pp.1164-1190.

Vasileva, K., Zaretskaya, N., Ershova, V., Rogov, M., Stockli, L.D., Stockli, D., Khaitov, V., Maximov, F., Chernyshova, I., Soloshenko, N. and Frishman, N., 2022. New model for seasonal ikaite precipitation: Evidence from White Sea glendonites. *Marine Geology*, p.106820.

Sharman, G.R.**, Stockli, D.F., Flaig, P., Raynolds, R.G., Dechesne, M. and Covault, J.A., 2022. Tectonic influence on axial-transverse sediment routing in the Denver Basin. GSA Special Paper.

Coira, B., Galli, C.I., Mahlburg-Kay, S., Stockli, D.F., Flores, P. and Eveling, E., 2022. Pliocene-Pleistocene ash-fall tuff deposits in the intermountain Humahuaca and Casa Grande basins, northwestern Argentina: tracers in chronostratigraphic reconstructions and key to identify their volcanic sources. *Andean geology*, *49*(2), pp.208-237.

Flowers, R.M., Zeitler, P.K., Danišík, M., Reiners, P.W., Gautheron, C., Ketcham, R.A., Metcalf, J.R., Stockli, D.F., Enkelmann, E. and Brown, R.W., 2022. (U-Th)/He chronology: Part 1. Data, uncertainty, and reporting. *GSA Bulletin*.

Liu, C., Stockli, D.F., Clift, P.D., Wan, S., Stockli, L.D., Höfig, T.W. and Schindlbeck-Belo, J.C., 2022. Geochronological and geochemical characterization of paleo-rivers deposits during rifting of the South China Sea. *Earth and Planetary Science Letters*, *584*, p.117427.

Brustnitsyna, E., Ershova, V., Khudoley, A., Maslov, A., Andersen, T., Stockli, D. and Kristoffersen, M., 2022. Age and provenance of the Precambrian Middle Timan clastic succession: Constraints from detrital zircon and rutile studies. *Precambrian Research*, *371*, p.106580.

Juárez-Arriaga, E., Lawton, T.F., Solari, L.A. and Stockli, D.F., 2022. Stratigraphy and origin of Upper Cretaceous wedge-top and proximal foredeep deposits in the Mexican foreland basin, east-central Mexico. *Journal of South American Earth Sciences*, *114*, p.103681.

Do Amaral Santos, E., Jelinek, A.R., Machado, J.P. and Stockli, D., 2022. Thermal history along the Araçuaí Orogen and São Francisco Craton border, eastern Brazilian continental margin, based on low-temperature thermochronologic data. *Tectonophysics*, *825*, p.229232.

Thomson, K.D.*, Stockli, D.F. and Fildani, A., 2022. Anthropogenic impact on sediment transfer in the upper Missouri River catchment detected by detrital zircon analysis. *GSA Bulletin*.

Kelemen, P.B., Carlos de Obeso, J., Leong, J.A., Godard, M., Okazaki, K., Kotowski, A.J., Manning, C.E., Ellison, E.T., Menzel, M.D., Urai, J.L. Stockli, D.F. and Hirth, G., 2022. Listvenite formation during mass transfer into the leading edge of the mantle wedge: Initial results from Oman Drilling Project Hole BT1B. *Journal of Geophysical Research: Solid Earth*, *127*(2), p.e2021JB022352.

Liu, H., McKenzie, N.R., Colleps, C.L., Chen, W., Ying, Y., Stockli, L., Sardsud, A. and Stockli, D.F., 2022. Zircon isotope–trace element compositions track Paleozoic–Mesozoic slab dynamics and terrane accretion in Southeast Asia. *Earth and Planetary Science Letters*, *578*, p.117298.

Kotowski, A.J.*, Cloos, M., Stockli, D. F., & Bos Orent, E., 2022, Structural and thermal evolution of an infant subduction shear zone: Insights from sub-ophiolite metamorphic rocks recovered from Oman Drilling Project site BT-1B. *Journal of Geophysical Research: Solid Earth*, 126, e2021JB021702. https://doi.org/10.1029/2021JB021702

Laskari, S., Soukis, K., Lozios, S., Stockli, D.F., Poulaki, E.M.*, Stouraiti, C. 2022, Structural Study and Detrital Zircon Provenance Analysis of the Cycladic Blueschist Unit Rocks from Iraklia Island: From the Paleozoic Basement Unroofing to the Cenozoic Exhumation. *Minerals*, 12, 83. https://doi.org/10.3390/ min12010083

Sharman, G.R.**, Stockli, D.F., Flaig, P., Raynolds, R.G., Dechesne, M. and Covault, J.A., 2022. Tectonic influence on axial-transverse sediment routing in the Denver Basin. In *Tectonic Evolution of the Sevier-Laramide Hinterland, Thrust Belt, and Foreland, and Postorogenic Slab Rollback (180–20 Ma)*. *Geological Society of America Memoir*.

Liu, L.**, Zhu, D.C., Wang, Q., Cawood, P.A., Stockli, D.F., Stockli, L.D., Lin, C., Zhang, J.J., Zhang, L.L. and Zhao, Z.D., 2022. Leucogranite records multiple collisional orogenies. *Geophysical Research Letters*, *49*(15), p.e2021GL096817.
e2021JB021702. https://doi.org/10.1029/2021JB021702

Laskari, S., Soukis, K., Lozios, S., Stockli, D.F., Poulaki, E.M.*, Stouraiti, C. 2022, Structural Study and Detrital Zircon Provenance Analysis of the Cycladic Blueschist Unit Rocks from Iraklia Island: From the Paleozoic Basement Unroofing to the Cenozoic Exhumation. Minerals, 12, 83. https://doi.org/10.3390/ min12010083
Martin, A.J., Domènech, M., Stockli, D.F. and Gómez-Gras, D., 2022, Provenance and maximum depositional ages of Upper Triassic and Jurassic sandstone, northeastern Mexico. Basin Research. https://doi.org/10.1111/bre.12654

Xu, J., Snedden, J.W., Craig, F.S., Stockli, D.F., Galloway, W.E. and Sickmann, Z.T., 2022, Quantifying the relative contributions of Miocene rivers to the deep Gulf of Mexico using detrital zircon geochronology: implications for the evolution of Gulf Basin circulation and regional drainage. Basin Research. Accepted Author https://doi.org/10.1111/bre.12653

Zhou, P., Stockli, D.F., Ireland, T., Murray, R.W., & Clift, P.D., 2022, Zircon U-Pb age constraints on NW Himalayan exhumation from the Laxmi Basin, Arabian Sea. *Geochemistry, Geophysics, Geosystems*, 23, e2021GC010158. https://doi.org/10.1029/2021GC010158

Liu, H., McKenzie, N.R., Colleps, C.L., Chen, W., Ying, Y., Stockli, L., Sardsud, A. and Stockli, D.F., 2022. Zircon isotope–trace element compositions track Paleozoic–Mesozoic slab dynamics and terrane accretion in Southeast Asia. *Earth and Planetary Science Letters*, *578*, p.117298.

Solís-Alulima, B., Abati, J., López-Carmona, A., Gutiérrez-Alonso, G., Fernández-Suárez, J. and Stockli, D.F., 2022. Detrital zircon ages and provenance of a Cambrian succession in the Sierra Albarrana Domain (SW Iberian Massif). *Lithos*, *408*, p.106542.

Ross, C.H.*, Stockli, D.F., Rasmussen, C.**, Gulick, S.P., de Graaff, S.J., Claeys, P., Zhao, J., Xiao, L., Pickersgill, A.E., Schmieder, M. and Kring, D.A., 2021. Evidence of Carboniferous arc magmatism preserved in the Chicxulub impact structure. *Bulletin*, *134*(1-2), pp.241-260.

Juárez-Arriaga, E.*, Lawton, T.F., Solari, L.A. and Stockli, D.F., 2021. Stratigraphy and origin of Upper Cretaceous wedge-top and proximal foredeep deposits in the Mexican foreland basin, east-central Mexico. *Journal of South American Earth Sciences*, p.103681.

Kurapov, M., Ershova, V., Khudoley, A., Luchitskaya, M., Stockli, D., Makariev, A., Makarieva, E. and Vishnevskaya, I., 2021. Latest Permian–Triassic magmatism of the Taimyr Peninsula: New evidence for a connection to the Siberian Traps large igneous province. *Geosphere*, *17*(6), pp.2062-2077.

Pujols, E.J.* and Stockli, D.F., 2021. Zircon (U-Th)/(He-Pb) double-dating constraints on the interplay between thrust deformation and foreland basin architecture, Sevier foreland basin, Utah. *Geosphere*, *17*(6), pp.1890-1913.

Wittmann, A., Cavosie, A.J., Timms, N.E., Ferrière, L., Rae, A., Rasmussen, C.**, Ross, C.*, Stockli, D., Schmieder, M., Kring, D.A. and Zhao, J., 2021. Shock impedance amplified impact deformation of zircon in granitic rocks from the Chicxulub impact crater. *Earth and Planetary Science Letters*, *575*, p.117201.

Sharman, G.R.**, Covault, J.A., Stockli, D.F., Sickmann, Z.T., Malkowski, M.A. and Johnstone, S.A., 2021. Detrital signals of coastal erosion and fluvial sediment supply during glacio-eustatic sea-level rise, Southern California, USA. *Geology*, *49*(12), pp.1501-1505.

Ramirez, S.G., Hayman, N.W., Gulick, S.P.S., Milliken, K.L., Stockli, D.F. and Masago, H., 2021. Sediment provenance, routing and tectonic linkages in the Nankai forearc region, Japan. *Basin Research*, *33*(6), pp.3231-3255.

Prokopiev, A.V., Ershova, V.B. and Stockli, D.F., 2021. Detrital Zircon U-Pb Data for Jurassic–Cretaceous Strata from the South-Eastern Verkhoyansk-Kolyma Orogen—Correlations to Magmatic Arcs of the North-East Asia Active Margin. *Minerals*, *11*(3), p.291.

Poulaki, E.M.*, Stockli, D.F., Flansburg, M.E.*, Gevedon, M.L., Stockli, L.D., Barnes, J.D., Soukis, K., Kitajima, K. and Valley, J.W., 2021. Zircon U-Pb and geochemical signatures in high-pressure, low-temperature metamorphic rocks as recorders of subduction zone processes, Sikinos and Ios islands, Greece. *Chemical Geology*, *582*, p.120447.

Koshnaw, R.I., Schlunegger, F., and Stockli, D.F., 2021, Detrital zircon provenance record of the Zagros mountain building from the Neotethys obduction to the Arabia–Eurasia collision, NW Zagros fold–thrust belt, Kurdistan region of Iraq. *Solid Earth*, 12, 2479–2501.

Galli, C.I., Alonso, R.N., Amorós, E.B., Pingel, H., Eveling, E., Coira, B.L., Stockli, D.F. and González, D., 2021. Plio-Pleistocene paleoenvironmental evolution of the intermontane Humahuaca Basin, southern Central Andes. *Journal of South American Earth Sciences*, *111*, p.103502.

Biske, Y.S., Ershova, V.B., Konopelko, D.L., Stockli, D.F., Mamadjanov, Y.M. and Wang, X.S., 2021. Detrital-zircon geochronology and provenance of Ediacaran–Silurian rocks of the central to northern Tajikistan traverse: Geodynamic implications for the evolution of the Tian Shan. *Gondwana Research*, *99*, pp.247-268.

Colleps, C.L., McKenzie, N.R., Guenthner, W.R., Sharma, M., Gibson, T.M. and Stockli, D.F., 2021. Apatite (U-Th)/He thermochronometric constraints on the northern extent of the Deccan large igneous province. *Earth and Planetary Science Letters*, *571*, p.117087.

Colleps, C.L., McKenzie, N.R., Sharma, M., Liu, H., Gibson, T.M., Chen, W. and Stockli, D.F., 2021. Zircon and apatite U-Pb age constraints from the Bundelkhand craton and Proterozoic strata of central

India: Insights into craton stabilization and subsequent basin evolution. *Precambrian Research*, *362*, p.106286.

Oesterle, J.E., Seward, D., Stockli, D.F., Little, T.A., Rooney, J.S., Gordon, S.M., Smith, E. and Gordon, K.C., 2021. The thermo-tectonic evolution of the actively exhuming Mai'iu Fault footwall–Suckling Dayman metamorphic core complex–in the Woodlark Rift of Papua New Guinea. *Tectonophysics*, *811*, p.228856.

Rodrigo, G.N., Fitz-Díaz, E., Barboza-Gudiño, J.R. and Stockli, D.F., 2021. Shortening and exhumation of Sierra de Catorce in northeastern Mexico, in light of 40Ar/39Ar illite dating and U–Th/He zircon thermochronology. *Journal of South American Earth Sciences*, p.103334.

Cisneros, M., Barnes, J.D., Behr, W.M., Kotowski, A.J., Stockli, D.F. and Soukis, K., 2021. Insights from elastic thermobarometry into exhumation of high-pressure metamorphic rocks from Syros, Greece. *Solid Earth*, *12*(6), pp.1335-1355.

Lawton, T.F., Blakey, R.C., Stockli, D.F. and Liu, L., 2021. Late Paleozoic (Late Mississippian–Middle Permian) sediment provenance and dispersal in western equatorial Pangea. *Palaeogeography, Palaeoclimatology, Palaeoecology*, *572*, p.110386.

Capaldi, T.N., McKenzie, N.R., Horton, B.K., Mackaman-Lofland, C., Colleps, C.L. and Stockli, D.F., 2021. Detrital zircon record of Phanerozoic magmatism in the southern Central Andes. *Geosphere*, *17*(3), pp.876-897.

Liu, L., Ambrose, W.A., Lawton, T.F. and Stockli, D.F., 2021. Tectonic controls on the evolution of mixed carbonate-siliciclastic systems: Insights from the late Palaeozoic Ouachita-Marathon Foreland, United States. *Basin Research*.

Villaseñor, G.*, Catlos, E.J., Broska, I., Kohút, M., Hraško, Ľ., Aguilera, K., Etzel, T.M., Kyle, J.R. and Stockli, D.F., 2021. Evidence for widespread mid-Permian magmatic activity related to rifting following the Variscan orogeny (Western Carpathians). *Lithos*, p.106083.

Fillon, C., Mouthereau, F., Calassou, S., Pik, R., Bellahsen, N., Gautheron, C., Stockli, D., Brichau, S., Daril, N., Mouchené, M. and van der Beek, P., 2021. Post-orogenic exhumation in the western Pyrenees: evidence for extension driven by pre-orogenic inheritance. *Journal of the Geological Society*, *178*(2).

Lutz, B.M., Ketcham, R.A., Axen, G.J., Beyene, M.A., Wells, M.L., van Wijk, J.W., Stockli, D.F. and Ross, J.I., 2021. Thermo-kinematic modeling of detachment-dominated extension, northeastern Death Valley area, USA: Implications for mid-crustal thermal-rheological evolution. *Tectonophysics*, p. 228755.

Williams, S.A. Singleton, J.S., Prior, M.G., Mavor, S.P., Cross G.E. and Stockli, D.F., 2021. The early Palaeogene transition from thin-skinned to thick-skinned shortening in the Potosí uplift, Sierra Madre Oriental, northeastern Mexico, *International Geology Review*, 63:2, 233-263.

Seymour, N.M., Singleton, J.S., Gomila, R., Mavor, S.P., Heuser, G., Arancibia, G., Williams, S. and Stockli, D.F., 2021. Magnitude, timing, and rate of slip along the Atacama fault system, northern Chile: Implications for Early Cretaceous slip partitioning and plate convergence. *Journal of the Geological Society*.

Lease, R.O., Haeussler, P.J., Witter, R.C., Stockli, D.F., Bender, A.M., Kelsey, H.M. and O'Sullivan, P.B., 2021. Extreme Quaternary plate boundary exhumation and strike slip localized along the southern Fairweather fault, Alaska, USA. *Geology*.

Hernandez, J., Hernandez, R., Dalenz, A., Cristallini, E., Alvarez, L., DEllmans, L., Costilla, M., Alvarez, F., Becchio, R., Bordese, B., Aradun, G., Guibaldo, C., Glasmacher, U., Tomezzoli, R., Stockli, D., Fuentes, F., Galvarro, J., Rosales, A., Dzelalija, F., Haring, C., 2021. Multiple thermochronometers applied to the quantitative analysis of compressive systems: the southern sub-Andean fold and thrust belt of Bolivia. From source rock to trap. *Journal South American Earth Sciences*.

Pindell, J., Molina-Garza, R., Villagómez, D., Martens, U., Graham, R., Stockli, D., Weber, B. and Sierra-Rojas, M.I., 2021. Provenance of the Miocene Nanchital conglomerate, western Chiapas

Foldbelt, Mexico: implications for reservoir sands in the Sureste Basin, Greater Campeche Province. *Geological Society, London, Special Publications*, *504*(1), pp.167-182.

Snedden, J.W., Stockli, D.F. and Norton, I.O., 2021. Palaeogeographical reconstruction and provenance of Oxfordian aeolian sandstone reservoirs in Mexico offshore areas: comparison to the Norphlet aeolian system of the northern Gulf of Mexico. *Geological Society, London, Special Publications*, *504*(1), pp.233-253.

Gray, G.G., Villagomez, D., Pindell, J., Molina-Garza, R., O'Sullivan, P., Stockli, D., Farrell, W., Blank, D. and Schuba, J., 2021. Late Mesozoic and Cenozoic thermotectonic history of eastern, central and southern Mexico as determined through integrated thermochronology, with implications for sediment delivery to the Gulf of Mexico. *Geological Society, London, Special Publications*, *504*(1), pp.255-283.

Román, Y.A.*, Pujols, E.J.*, Cavosie, A.J. and Stockli, D.F., 2021, Timing and magnitude of progressive exhumation and deformation associated with Eocene arc-continent collision in the NE Caribbean plate. *GSA Bulletin*

Bosworth, W., Lučić, D. and Stockli, D.F., 2021. North Africa Phanerozoic. *Encyclopedia of Geology*

Ismail, S.A., Koshnaw, R.I.*, Barber, D.E.*, Al Humadi, H. and Stockli, D.F., 2021. Generation and exhumation of granitoid intrusions in the Penjween ophiolite complex, NW Zagros of the Kurdistan region of Iraq: Implications for the geodynamic evolution of the Arabian-Eurasian collision zone. *Lithos*, *376*, p. 105714.

Capaldi, T.N., Horton, B.K., McKenzie, N.R., Mackaman-Lofland, C., Stockli, D.F., Ortiz, G. and Alvarado, P., 2020. Neogene retroarc foreland basin evolution, sediment provenance, and magmatism in response to flat slab subduction, western Argentina. *Tectonics*, *39*(7), p.e2019TC005958

Koshnaw, R.I.*, Stockli, D.F., Horton, B.K., Teixell, A., Barber, D.E.* and Kendall, J.J., 2020. Late Miocene Deformation Kinematics Along the NW Zagros Fold-Thrust Belt, Kurdistan Region of Iraq: Constraints From Apatite (U-Th)/He Thermochronometry and Balanced Cross Sections. *Tectonics*, *39*(12).

Anfinson, O.A.**, Stockli, D.F., Miller, J.C.*, Möller, A. and Schlunegger, F., 2020. Tectonic exhumation of the Central Alps recorded by detrital zircon in the Molasse Basin, Switzerland. *Solid Earth*, *11*(6), p. 2197-2220.

Stockli D.F. and Najman, Y.M.R., 2020, Detrital Thermochronometry – Recorder of the Earth's Dynamic Past. Element, vol. 16, 311-317 (invited)

Pujols, E. J.*, Stockli, D. F., Constenius, K. N., & Horton, B. K., 2020, Thermochronological and geochronological constraints on Late Cretaceous unroofing and proximal sedimentation in the Sevier orogenic belt, Utah. *Tectonics*, 39

Goldsmith, A.S.*, Ketcham, R.A. and Stockli, D.F., 2020. Simulating effects of heterogeneous 4He concentration profiles and radiation damage annealing on whole-grain zircon diffusivity analyses. *Geochimica et Cosmochimica Acta*

Brennan, C.J.*, Stockli, D.F. and Patterson, D.B., 2020. Zircon 4He/3He fractional loss step-heating and characterization of parent nuclide distribution. *Chemical Geology*, p. 119692

Thomson, K.D.*, Stockli, D.F., Odlum, M.L.*, Tolentino, P., Puigdefàbregas, C., Clark, J. and Fildani, A., 2020. Sediment provenance and routing evolution in the Late Cretaceous–Eocene Ager Basin, south-central Pyrenees, Spain. *Basin Research*, *32*(3), pp.485-504

Cooperdock, E.H.G.*, Stockli, D.F., Kelemen, P.B., and De Obeso, J.C., 2020, Timing of magnetite growth associated with peridotite-hosted carbonate veins in the SE Samail Ophiolite, Wadi Fins, Oman. *Journal of Geophysical Research Solid Earth*

Odlum, M.L.* and Stockli, D.F., 2020. Geochronologic constraints on deformation and metasomatism along an exhumed mylonitic shear zone using apatite U-Pb, geochemistry, and microtextural analysis. *Earth and Planetary Science Letters*, *538*, p. 116177

Ribes, C., Ghienne, J., Manatschal, G., Dall'Asta, N., Stockli, D.F., Galster, F.**, Gillard, M., and Karner, G.D., 2020, The Grès Singuliers of the Mont Blanc region (France and Switzerland):

stratigraphic response to rifting and crustal necking in the Alpine Tethys. *International Journal of Earth Sciences*

Cisneros, M., Barnes, J.D., Behr, W.M., Kotowski, A.J.*, Stockli, D.F. and Soukis, K., 2020. Insights from elastic thermobarometry into exhumation of high-pressure metamorphic rocks from Syros, Greece. *Solid Earth Discussions*.

Kotowski, A.J.*, Behr, W.M., Cisneros, M., Stockli, D.F., Soukis, K., Barnes, J. and Ortega-Arroyo, D., 2020. Subduction, und erplating, and return flow recorded in the Cycladic Blueschist Unit exposed on Syros Island, Greece. *Solid Earth Discussions.*

Kounov, A., Seward, D., Burg, J.P., Stockli, D. and Wüthrich, E., 2020. Cenozoic thermal evolution of the Central Rhodope Metamorphic Complex (Southern Bulgaria). *International Journal of Earth Sciences*

Pindell, J., Molina-Garza, R., Villagomez, D., Martens, U., Graham, R., Stockli, D., Weber, B., and Sierra-Rojas, M.I., 2020, Provenance of the Miocene Nanchital Conglomerate, western Chiapas Foldbelt, Mexico: implications for reservoir sands in the Sureste Basin, greater Campeche Province. *Geological Society of London*, Special Publications, 504

Sierra-Rojas, M.I., Lawton, T.F., Martens, U., von Quadt, A., Triviño, A.B., Coombs, H. and Stockli, D.F., 2020, Early Cretaceous to Paleogene sandstone provenance and sediment-dispersal systems of the Cuicateco terrane, Mexico. In: Southern and Central Mexico: Basement Framework, Tectonic Evolution, and Provenance of Mesozoic–Cenozoic Basins. Geological Society of America Special Paper.

Snedden, J., Stockli, D.F., and Norton, I.O., 2020, Palaeogeographical reconstruction and provenance of Oxfordian aeolian sandstone reservoirs in Mexico offshore areas: comparison to the Norphlet aeolian system of the northern Gulf of Mexico. *Geological Society of London*, Special Publications, 504

Oesterle, J.E., Stockli, D., Seward, D., Little T.A., 2020, Dating of young (<1 Ma) tephras: Using U-Pb (zircon) and (U-Th[-Sm])/He (zircon, apatite, magnetite) chronometers to unravel the eruption age of a tephra in the Woodlark Rift of Papua New Guinea. *Terra Nova*

Oesterle, J.E., Little, T.A., Seward, D., Stockli, D.F. and Gamble, J., 2020. The petrology, geochronology and tectono-magmatic setting of igneous rocks in the Suckling-Dayman metamorphic core complex, Papua New Guinea. *Gondwana Research*

Haproff, P.J., Odlum, M.L., Zuza, A.V., Yin, A. and Stockli, D.F., 2020. Structural and Thermochronologic Constraints on the Cenozoic Tectonic Development of the Northern Indo-Burma Ranges. *Tectonics*, *39*(9), p. 2020TC006231.

Seymour, N.M., Singleton, J.S., Mavor, S.P., Gomila, R., Stockli, D.F., Heuser, G. and Arancibia, G., 2020. The relationship between magmatism and deformation along the intra-arc strike-slip Atacama fault system, northern Chile. *Tectonics*, *39*(3), 2019TC005702.

Bosworth, W., Khalil, S. M., Ligi, M., Stockli, D.F., and K. R. McClay, 2020, Geology of Egypt: The Northern Red Sea. The Geology of Egypt, chapter 9: pages 343-374; Springer Nature Switzerland., ISBN: 978-3-030-15264-2, DOI:10.1007/978-3-030-15265-9_9

Rasmussen, C.**, Stockli, D.F., Erickson, T.M. and Schmieder, M., 2020. Spatial U–Pb age distribution in shock-recrystallized zircon–a case study from the Rochechouart impact structure, France. *Geochimica et Cosmochimica Acta*.

Williams, S.A., Singleton, J.S., Prior, M.G., Mavor, S.P., Cross, G.E. and Stockli, D.F., 2020, The early Palaeogene transition from thin-skinned to thick-skinned shortening in the Potosí uplift, Sierra Madre Oriental, northeastern Mexico, International Geology Review.

Hughes, N.C., Myrow, P.M., Ghazi, S., McKenzie, N.R., Stockli, D.F. and DiPietro, J.A., 2020. Cambrian geology of the Salt Range of Pakistan: Linking the Himalayan margin to the Indian craton: Reply. *Bulletin*, 132(1-2), pp.446-448.

Atwater, A.L., Thomson, K.D.*, Kirk, E.C., Emery-Wetherell, M., Wetherell, L. and Stockli, D.F., 2020. Geochronology of the middle Eocene Purple Bench locality (Devil's Graveyard Formation), Trans-Pecos Texas, USA. *Paleontologia Electronica*, *23*(1).

Mavor, S. P., Singleton, J. S., Gomila, R., Heuser, G., Seymour, N. M., Williams, S. A., and Stockli, D.F., 2020, Timing, kinematics, and displacement of the Taltal fault system, northern Chile: Implications for the Cretaceous tectonic evolution of the Andean margin. *Tectonics*, 39, e2019TC005832.

Bande, A., Boll, A., Fuentes, F., Horton, B.K. and Stockli, D.F., 2020. Thermochronological Constraints on the Exhumation of the Malargüe Fold-Thrust Belt, Southern Central Andes. In Opening and Closure of the Neuquén Basin in the Southern Andes (pp. 371-396). Springer, Cham.

Mackaman-Lofland, C., Horton, B.K., Fuentes, F., Constenius, K.N., Ketcham, R.A., Capaldi, T.N., Stockli, D.F., Ammirati, J.B., Alvarado, P. and Orozco, P., 2020. Andean Mountain Building and Foreland Basin Evolution During Thin-and Thick-Skinned Neogene Deformation (32–33° S). *Tectonics*, *39(3)*

Soto-Kerans, G.M.*, Stockli, D.F., Janson, X., Lawton, T.F., and Covault, J.A., 2020. Orogen proximal sedimentation in the Permian foreland basin. *Geosphere*

Najman, Y., Sobel, E.R., Millar, I., Stockli, D.F., Govin, G., Lisker, F., Garzanti, E., Limonta, M., Vezzoli, G., Copley, A. and Zhang, P., 2020. The exhumation of the Indo-Burman Ranges, Myanmar. *Earth and Planetary Science Letters*, *530*, p. 115948.

Bosworth W., Khalil S.M., Ligi M., Stockli D.F., McClay K.R., 2020, Geology of Egypt: The Northern Red Sea. In: Hamimi Z., El-Barkooky A., Martínez Frías J., Fritz H., Abd El-Rahman Y. (eds) The Geology of Egypt. Regional Geology Reviews. Springer

Ruthven, R., Singleton, J., Seymour, N., Gomila, R., Arancibia, G., Stockli, D.F., Ridley, J. and Magloughlin, J., 2020. The geometry, kinematics, and timing of deformation along the southern segment of the Paposo fault zone, Atacama fault system, northern Chile. *Journal of South American Earth Sciences*, *97*, p. 102355.

Zhao, R., Zhang, J., Zhou, C., Zhang, Z., Chen, S., Stockli, D.F., Olariu, C., Steel, R. and Wang, H., 2020. Tectonic evolution of Tianshan-Bogda-Kelameili mountains, clastic wedge basin infill and chronostratigraphic divisions in the source-to-sink systems of Permian-Jurassic, southern Junggar Basin. *Marine and Petroleum Geology*, p. 104200.

Wang, Y., Wang, Y., Zhang, P., Schoenbohm, L.M., Zhang, B., Zhang, J., Zhou, R., Stockli, D.F., Seagren, E.G., Wang, F. and Wu, L., 2020. Intracontinental deformation within the India-Eurasia oblique convergence zone: Case studies on the Nantinghe and Dayingjiang faults. *GSA Bulletin*, *132*(3-4), pp.850-862.

Powell, J.W., Issler, D.R., Schneider, D.A., Fallas, K.M. and Stockli, D.F., 2020. Thermal history of the Mackenzie Plain, Northwest Territories, Canada: Insights from low-temperature thermochronology of the Devonian Imperial Formation. *Geological Society of America Bulletin*, *132*(3-4), pp.767-783.

Cai, C.E., Qiu, N., Li, H., Stockli, D.F., Chang, J. and Liu, N., 2020. Study of the closure temperature of (U-Th)/He in detrital zircon obtained from natural evolution samples. *Science China Earth Sciences*, *63*(3), pp.412-424.

Sharman, R.**, Stockli, D.F., Flaig, P.P., Raynolds, R.G., Covault, J.A., 2019. Local-to-distant provenance cyclicity of the southern Front Range, central Colorado: Insights from detrital zircon geochronology. In: Ingersoll, R.V., Lawton, T.F., and Graham, S.A. (eds.), Tectonics, Sedimentary Basins, and Provenance: A Celebration of the Career of William R. Dickinson. *GSA Special Paper*

Capaldi, T.N., George, S.M.W., Hirtz, J.A.M., Horton, B.K. and Stockli, D.F., 2019. Fluvial and eolian sediment mixing during changing climate conditions recorded in Holocene Andean foreland deposits from Argentina (31-33° S). *Frontiers in Earth Science*, *7*, p. 298.

Juárez-Arriaga, E., Lawton, T.F., Stockli, D.F., Solari, L. and Martens, U., 2019. Late Cretaceous-Paleocene stratigraphic and structural evolution of the central Mexican fold and thrust belt, from detrital zircon (U-Th)/(He-Pb) ages. *Journal of South American Earth Sciences*, *95*, p.102264.

Rasmussen, C.**, Stockli, D.F., Ross, C.H., Pickersgill, A., Gulick, S.P., Schmieder, M., Christeson, G.L., Wittmann, A., Kring, D.A., Morgan, J.V. and Expedition, I.I., 2019. U-Pb memory behavior in Chicxulub's peak ring—Applying U-Pb depth profiling to shocked zircon. *Chemical Geology*, *525*, p. 356-367.

Ershova, V.B., Ivleva, A.S., Podkovyrov, V.N., Khudoley, A.K., Fedorov, P.V., Stockli, D., Anfinson, O., Maslov, A.V. and Khubanov, V., 2019. Detrital zircon record of the Mesoproterozoic to Lower Cambrian sequences of NW Russia: implications for the paleogeography of the Baltic interior. *GFF*, *141*(4), pp.279-288.

Prokopiev, A.V., Ershova, V.B., Stockli, D.F., 2019. Provenance of the Devonian–Carboniferous clastics of the southern part of the Prikolyma terrane (Verkhoyansk–Kolyma orogen) based on U–Pb dating of detrital zircons, *GFF*, 141:4, 272-278.

Cooperdock, E.H.*, Ketcham, R.A. and Stockli, D.F., 2019. Resolving the effects of 2-D versus 3-D grain measurements on apatite (U–Th)/He age data and reproducibility. *Geochronology*, *1*(1), pp.17-41.

Smye, A.J.**, Lavier, L.L., Zack, T. and Stockli, D.F., 2019. Episodic heating of continental lower crust during extension: A thermal modeling investigation of the Ivrea-Verbano Zone. *Earth and Planetary Science Letters*, *521*, pp.158-168.

Hughes, N.C., Myrow, P.M., Ghazi, S., McKenzie, N.R., Stockli, D.F. and DiPietro, J.A., 2019. Cambrian geology of the Salt Range of Pakistan: Linking the Himalayan margin to the Indian craton: Reply. *Bulletin*, *132*(1-2), pp.446-448.

Koshnaw, R.I.*, Horton, B.K., Stockli, D.F., Barber, D.E.* and Tamar-Agha, M.Y., 2019. Sediment routing in the Zagros foreland basin: Drainage reorganization and a shift from axial to transverse sediment dispersal in the Kurdistan region of Iraq. *Basin Research*.

Yonkee, W.A., Eleogram, B., Wells, M.L., Stockli, D.F., Kelley, S. and Barber, D.E.*, 2019. Fault Slip and Exhumation History of the Willard Thrust Sheet, Sevier Fold-Thrust Belt, Utah: Relations to Wedge Propagation, Hinterland Uplift, and Foreland Basin Sedimentation. *Tectonics*.

Canada, A.S., Cassel, E.J., McGrew, A.J., Smith, M.E., Stockli, D.F., Foland, K.A., Jicha, B.R. and Singer, B.S., 2019. Eocene exhumation and extensional basin formation in the Copper Mountains, Nevada, USA. *Geosphere*, *15*(5), pp.1577-1597.

Zuza, A.V., Cao, W., Hinz, N.H., DesOrmeau, J.W., Odlum, M.* and Stockli, D.F., 2019. Footwall rotation in a regional detachment fault system: Evidence for horizontal-axis rotational flow in the Miocene Searchlight pluton, NV. *Tectonics*.

Österle, J.E., Klötzli, U., Stockli, D.F., Palzer-Khomenko, M. and Kanjanapayont, P., 2019. New age constraints on the Lan Sang gneiss complex, Thailand, and the timing of activity of the Mae Ping shear zone from in-situ and depth-profile zircon and monazite U-Th-Pb geochronology, *Journal of Asian Earth Sciences*, Volume 181, 2019, 103886.

Krob, F.C., Glasmacher, U.A., Karl, M., Perner, M., Hackspacher, P.C. and Stockli, D.F., 2019. Multi-chronometer thermochronological modelling of the Late Neoproterozoic to recent tT-evolution of the SE coastal region of Brazil. *Journal of South American Earth Sciences*, *92*, pp.77-94.

Liu, L.* and Stockli, D.F., 2019. U-Pb ages of detrital zircons in Lower Permian sandstone and siltstone of the Permian Basin, west Texas, USA: Evidence of dominant Gondwanan and peri-Gondwanan sediment input to Laurentia. *Geological Society of America Bulletin*.

Odlum, M. L.*, Stockli, D. F., Capaldi, T. N., Thomson, K. D., Clark, J., Puigdefàbregas, C., & Fildani, A. (2019), Tectonic and sediment provenance evolution of the South Eastern Pyrenean foreland basins during rift margin inversion and orogenic uplift. *Tectonophysics*.

Roigé, M., Gómez-Gras, D., Stockli, D.F., Teixell, A., Boya, S. and Remacha, E., 2019. Detrital zircon U-Pb insights into the timing and provenance of the South Pyrenean Jaca Basin. *Journal of the Geological Society*.

Canada, A.S., Cassel, E.J., Stockli, D.F., Smith, M.E., Jicha, B.R. and Singer, B.S., 2019. Accelerating exhumation in the Eocene North American Cordilleran hinterland: Implications from detrital zircon (U-Th)/(He-Pb) double dating. *Geological Society of America Bulletin*.

Marsh, A.D.*, Parker, W.G., Stockli, D.F. and Martz, J.W., 2019. Regional correlation of the Sonsela Member (Upper Triassic Chinle Formation) and detrital U-Pb zircon data from the Sonsela Sandstone bed near the Sonsela Buttes, northeastern Arizona, USA, support the presence of a distributive fluvial system. *Geosphere*.

Wu, C., Zuza, A.V., Chen, X., Ding, L., Levy, D.A., Liu, C., Liu, W., Jiang, T. and Stockli, D.F., 2019. Tectonics of the Eastern Kunlun Range: Cenozoic reactivation of a Paleozoic-early Mesozoic orogen. *Tectonics*, *38*(5), pp.1609-1650.

Sizemore, T., Wielicki, M.M., Çemen, I., Stockli, D., Heizler, M. and Robinson, D., 2019. Structural evolution of central Death Valley, California, using new thermochronometry of the Badwater turtleback. *Lithosphere*.

Mason, C.C., Romans, B.W., Stockli, D.F., Mapes, R.W. and Fildani, A., 2019. Detrital zircons reveal sea-level and hydroclimate controls on Amazon River to deep-sea fan sediment transfer. *Geology*, *47*(6).

Ternois, S., Odlum, M.*, Ford, M., Pik, R., Stockli, D., Tibari, B., Vacherat, A. and Bernard, V., 2019. Thermochronological evidence of early orogenesis, eastern Pyrenees, France. *Tectonics*, *38*(4), pp.1308-1336.

Juárez-Arriaga, E., Lawton, T.F., Ocampo-Díaz, Y.Z.E., Stockli, D.F. and Solari, L., 2019. Sediment provenance, sediment-dispersal systems, and major arc-magmatic events recorded in the Mexican foreland basin, North-Central and Northeastern Mexico. *International Geology Review*, pp.1-25.

Hughes, N.C., Myrow, P.M., Ghazi, S., McKenzie, N.R., Stockli, D.F. and DiPietro, J.A., 2019. Cambrian geology of the Salt Range of Pakistan: Linking the Himalayan margin to the Indian craton. *Bulletin*, *131*(7-8), pp.1095-1114.

Liu, S., Li, J., Stockli, D.F., Song, C., Guo, B., Stockli, L.D., Ma, Z., Li, X. and Peng, T., 2019. Reappraisal of Miocene eolian deposition in Tianshui Basin, China, based on an investigation of stratigraphy and provenance. *Geological Society of America Bulletin*.

Poulaki, E.M.*, Stockli, D.F., Flansburg, M.E.* and Soukis, K., 2019. Zircon U-Pb Chronostratigraphy and Provenance of the Cycladic Blueschist Unit and the Nature of the Contact with the Cycladic Basement on Sikinos and Ios Islands, Greece. *Tectonics*.

Flansburg, M.E.*, Stockli, D.F., Poulaki, E.M.* and Soukis, K., 2019. Tectono-Magmatic and Stratigraphic Evolution of the Cycladic Basement, Ios Island, Greece. *Tectonics*.

Barber, D.E.*, Stockli, D.F. and Galster, F.**, 2019. The Proto-Zagros Foreland Basin in Lorestan, Western Iran: Insights From Multimineral Detrital Geothermochronometric and Trace Elemental Provenance Analysis. *Geochemistry, Geophysics, Geosystems*.

Colleps, C. L.*, Stockli, D. F., McKenzie, N. R., Webb, A. A. G., & Horton, B. K., 2019, Neogene kinematic evolution and exhumation of the NW India Himalaya: Zircon Geo- and Thermochronometric insights from the fold-thrust belt and foreland basin. *Tectonics*, 38, 2059– 2086.

Perez, N. D., Teixell, A., Gómez-Gras, D., and Stockli, D. F., 2019. Reconstructing extensional basin architecture and provenance in the Marrakech High Atlas of Morocco: Implications for rift basins and inversion tectonics. *Tectonics*, 38, 1584– 1608.

Odlum, M.L.* and Stockli, D.F., 2019. Thermotectonic evolution of the North Pyrenean Agly Massif during Early Cretaceous hyperextension using multi-mineral U-Pb thermochronometry. *Tectonics*.

Stockli, D.F. and Bosworth, W., 2019. Timing of Extensional Faulting Along the Magma-Poor Central and Northern Red Sea Rift Margin—Transition from Regional Extension to Necking Along a Hyperextended Rifted Margin. In *Geological Setting, Palaeoenvironment and Archaeology of the Red Sea* (pp. 81-111). Springer, Cham.

Mackaman-Lofland, C., Horton, B.K., Fuentes, F., Constenius, K.N. and Stockli, D.F., 2019. Mesozoic to Cenozoic retroarc basin evolution during changes in tectonic regime, southern Central Andes (31–33° S): Insights from zircon U-Pb geochronology. *Journal of South American Earth Sciences*, *89*, pp.299-318.

Wittmann, A., van Soest, M., Hodges, K.V., Darling, J.R., Morgan, J.V., Gulick, S.P.S., Stockli, D., Rasmussen, C., Kring, D.A. and Schmieder, M., 2018. Petrology and Radioisotopic Ages of Allanite in the Peak Ring of the Chicxulub Impact Crater. LPI Contributions, 2067.

Wafforn, S.*, Seman, S.*, Kyle, J.R., Stockli, D., Leys, C., Sonbait, D. and Cloos, M., 2018. Andradite garnet U-Pb geochronology of the Big Gossan skarn, Ertsberg-Grasberg Mining District, Indonesia. Economic Geology, 113(3), pp.769-778.

Smye, A.J.**, Marsh, J.H.**, Vermeesch, P., Garber, J.M. and Stockli, D.F., 2018. Applications and limitations of U-Pb thermochronology to middle and lower crustal thermal histories. *Chemical Geology*.

Pujols, E.J.*, Leva López, J., Stockli, D.F., Rossi, V.M. and Steel, R.J., 2018. New insights into the stratigraphic and structural evolution of the middle Jurassic S. Neuquén Basin from Detrital Zircon (U-Th)/(He-Pb) and Apatite (U-Th)/He ages. *Basin Research*, *30*(6), pp.1280-1297.

Kounov, A., Gerdjikov, I., Vangelov, D., Balkanska, E., Lazarova, A., Georgiev, S., Blunt, E. and Stockli, D., 2018. First thermochronological constraints on the Cenozoic extension along the Balkan fold-thrust belt (Central Stara Planina Mountains, Bulgaria). *International Journal of Earth Sciences*, *107*(4), pp.1515-1538.

Seymour, N.M., Strickland, E.D., Singleton, J.S., Stockli, D.F. and Wong, M.S., 2018. Laramide subduction and metamorphism of the Orocopia Schist, northern Plomosa Mountains, west-central Arizona: Insights from zircon U-Pb geochronology. *Geology*, 46(10), pp.847-850.

Sehrt, M., Glasmacher, U.A., Stockli, D.F., Jabour, H. and Kluth, O., 2018. The southern Moroccan passive continental margin: An example of differentiated long-term landscape evolution in Gondwana. *Gondwana Research*, 53, pp.129-144.

Prior, M.G.*, Singleton, J.S. and Stockli, D.F., 2018. Late-stage slip history of the Buckskin Rawhide detachment fault and temporal evolution of the Lincoln Ranch supradetachment basin: New constraints from the middle Miocene Sandtrap Conglomerate. *Geological Society of America Bulletin*.

Powell, J., Schneider, D.A., Desrochers, A., Flowers, R.M., Metcalf, J., Gaidies, F. and Stockli, D.F., 2018. Low-temperature thermochronology of Anticosti Island: A case study on the application of conodont (U-Th)/He thermochronology to carbonate basin analysis. Marine and Petroleum Geology.

Nie, J. Ruetenik, G., Gallagher, Hoke, G., Garzione, G., Wang, W., Stockli D.F., Hu, J., Wang, Z., Wang, Y., Stevens, T. Danišík, M., and Liu, S., Rapid incision of the Mekong River in the middle Miocene linked to monsoonal precipitation, *Nature Geoscience.*

McKenzie, N.R.**, Smye, A.J.**, Hegde, V.S. and Stockli, D.F., 2018. Continental growth histories revealed by detrital zircon trace elements: A case study from India. *Geology*, 46(3), pp.275-278.

Lima, R.D., Prior, M.G.*, Stockli, D.F. and Hayman, N.W., 2018. Protracted heating of the orogenic crust in Death Valley, California, USA. *Geology*, 46(4), pp.315-318.

Koshnaw, R.*, Stockli, D.F., Schlunegger, F., 2018, Timing of the Arabia-Eurasia continental collision - Evidence from detrital zircon U-Pb geochronology of the Red Bed Series strata of the NW Zagros hinterland, Kurdistan region of Iraq. *Geology*, 47(1), pp.47-50.

Barber, D.E., Stockli, D.F., Horton, B.K. and Koshnaw, R.I., 2018. Cenozoic Exhumation and Foreland Basin Evolution of the Zagros Orogen During the Arabia-Eurasia Collision, Western Iran. *Tectonics*.

Hessler, A., Covault, J., Stockli, D.F., and Fildani, A., 2018, Late Cenozoic cooling favored glacial over tectonic controls on sediment supply to the western Gulf of Mexico. *Geology*, 46(11), pp.995-998.

Guo, B., Liu, S., Peng, T., Ma, Z., Feng, Z., Li, M., Li, X., Li, J., Song, Stockli, D.F., C., Zhao, Z. and Pan, B., 2018. Late Pliocene establishment of exorheic drainage in the northeastern Tibetan Plateau as evidenced by the Wuquan Formation in the Lanzhou Basin. *Geomorphology*, 303, pp.271-283.

Gevedon, M., Seman, S.*, Barnes, J.D., Lackey, J.S. and Stockli, D.F., 2018. Unraveling histories of hydrothermal systems via U–Pb laser ablation dating of skarn garnet. *Earth and Planetary Science Letters*, 498, pp.237-246.

Gavillot, Y., Meigs, A.J., Sousa, F.J., Stockli, D., Yule, D. and Malik, M., 2018. Late Cenozoic foreland-to-hinterland low temperature exhumation history of the Kashmir Himalaya. *Tectonics*.

Fildani, A., Hessler, A.M., Mason, C.C., McKay, M.P. and Stockli, D.F., 2018. Late Pleistocene glacial transitions in North America altered major river drainages, as revealed by deep-sea sediment. *Scientific Reports*, 8(1), p.13839.

Ershova, V., Anfinson, O.**, Prokopiev, A., Khudoley, A., Stockli, D., Faleide, J.I., Gaina, C. and Malyshev, N., 2018. Detrital zircon (U-Th)/He ages from Paleozoic strata of the Severnaya Zemlya Archipelago: Deciphering multiple episodes of Paleozoic tectonic evolution within the Russian High Arctic. *Journal of Geodynamics*.

Domènech, M., Stockli, D.F. and Teixell, A., 2018. Detrital zircon U–Pb provenance and palaeogeography of Triassic rift basins in the Marrakech High Atlas. *Terra Nova*, 30(4), pp.310-318.

Cooperdock, E.H.*, Raia, N.H., Barnes, J.D., Stockli, D.F. and Schwarzenbach, E.M., 2018. Tectonic origin of serpentinites on Syros, Greece: Geochemical signatures of abyssal origin preserved in a HP/LT subduction complex. *Lithos*, 296, pp.352-364.

Cooperdock, E.H.* and Stockli, D.F., 2018. Dating exhumed peridotite with spinel (U–Th)/He chronometry. *Earth and Planetary Science Letters*, 489, pp.219-227.

Colleps, C.L.*, McKenzie, N.R., Stockli, D.F., Hughes, N.C., Singh, B.P., Webb, A.A.G., Myrow, P.M., Planavsky, N.J. and Horton, B.K., 2018. Zircon (U-Th)/He Thermochronometric Constraints on Himalayan Thrust Belt Exhumation, Bedrock Weathering, and Cenozoic Seawater Chemistry. *G-Cubed,* 19(1), pp.257-271.

Calle, A.Z., Horton, B.K., Limachi, R., Stockli, D.F., Uzeda-Orellana, G.V., Anderson, R.B. and Long, S.P., 2018. Ch. 18: Cenozoic Provenance and Depositional Record of the Sub-Andean Foreland Basin during Growth of the Central Andean Fold-Thrust Belt, Southern Bolivia.

Bidgoli, T.S.*, Tyrrell, J.P., Möller, A., Walker, J.D. and Stockli, D.F., 2018. Conodont thermochronology of exhumed footwalls of low-angle normal faults: A pilot study in the Mormon Mountains, Tule Springs Hills, and Beaver Dam Mountains, southeastern Nevada and southwestern Utah. *Chemical Geology*, 495, pp.1-17

Anderson, R.B., Long, S.P., Horton, B.K., Thomson, S.N., Calle, A.Z. and Stockli, D.F., 2018. Orogenic wedge evolution of the central Andes, Bolivia (21° S): Implications for Cordilleran cyclicity. *Tectonics*.

Prokopiev, A., Ershova, V., Anfinson, O.**, Stockli, D.F., Powell, J., Khudoley, A., Vasiliev, D., Sobolev, N., and Petrov, E., 2018, Tectonics of the New Siberian Islands Archipelago: Structural Styles and Low-Temperature Thermochronology. Journal of *Geodynamics*, 121, 155-184

Sharman, G.R.**, Stockli, D.F., Flaig, P., Raynold, R.G., and Covault, J.A., 2017, Local-to-Distant Sediment Source Area Cyclicity of the Southern Front Range, Central Colorado: Insights from Detrital Zircon Geochronology. *GSA Memoir*.

Mason, C., Spotila, J., Axen, G., Dorsey, R., Luther, A., Stockli, D.F., 2017, Two-phase exhumation of the Santa Rosa Mountains: low- and high-angle normal faulting during initiation and evolution of the southern San Andreas fault system. *Tectonics*.

Colleps, C.L.*, McKenzie, N.R., Stockli, D.F., Hughes, N.C., Singh, B.P., Webb, A.G., Myrow, P.M., Planavsky, N.J., and Horton, B.K., 2017, Zircon (U-Th)/He thermochronometric constraints on Himalayan thrust belt exhumation, bedrock weathering, and Cenozoic seawater chemistry, *G-Cubed.*

Giallorenzo, M. A., Wells, M.L., Yonke, W.A., Stockli, D.F., and Wernicke, B.P., 2017, Timing of exhumation, Wheeler Pass thrust sheet, southern Nevada and California: Late Jurassic to middle Cretaceous evolution of the southern Sevier fold-thrust belt. *Geological Society of America*.

Xu, J.*, Stockli, D.F., Snedden, J.W., 2017 Enhanced provenance interpretation using combined U–Pb and (U–Th)/He double dating of detrital zircon grains from lower Miocene strata, proximal Gulf of Mexico Basin, North America. *Earth and Planetary Science Letters* 10/2017; 475:44-57. DOI:10.1016/j.epsl.2017.07.024

Thomson, K.D.*, Stockli, D.F., Clark, J., Puigdefàbregas, C., and Fildani, A., 2017, Detrital zircon (U-Th)/(He-Pb) double dating constraints on provenance and foreland basin evolution of the Ainsa Basin, south-central Pyrenees, Spain: Ainsa Basin Zircon Double Dating. *Tectonics* 07/2017; 36(7). DOI:10.1002/2017TC004504

Suarez, S.E., Brookfield, M.E., Catlos, E.J., and Stockli, D.F., 2017, A U-Pb zircon age constraint on the oldest-recorded air-breathing land animal. *PLoS ONE* 06/2017; 12(6):e0179262.

Sehrt, M., Glasmacher, U.A, Stockli, D.F., Jabour, H., and Kluth, O., 2017 Meso-/Cenozoic long-term landscape evolution at the southern Moroccan passive 1 continental margin, Tarfaya Basin, recorded by low-temperature thermochronology. *Tectonophysics*, DOI:10.1016/j.tecto.2017.08.028

Hart, N.R.*, Stockli, D.F., Lavier, L.L., and Hayman, N.W., 2017, Thermal evolution of a hyperextended rift basin, Mauleon Basin, western Pyrenees. *Tectonics*.

Seaman, S.*, Stockli, D.F., Soukis, K., 2017, The provenance and internal structure of the Cycladic Blueschist Unit revealed by detrital zircon geochronology, Western Cyclades, Greece. *Tectonics*.

Danišík, M., Schmitt, A.K., Stockli, D.F., Lovera, O.M., Dunkl, I., and Evans, N.J., 2017, Application of combined U-Th-disequilibrium/U-Pb and (U–Th)/He zircon dating to tephrochronology. *Quaternary Geology* (invited).

Bande, A., Sobel, E.R., Mikolaichuk, A., Schmidt, A., and Stockli D.F., 2017, Exhumation history of the western Kygyz Tien Shan: Implications for intramontane basin formation. *Tectonics*.

Koshnaw, R.I.*, Horton, B.K., Stockli, D.F., Barber, D.E.*, Tamar-Agha, M.Y. and Kendall, J., 2017, Neogene shortening and exhumation of the Zagros fold-thrust belt and foreland basin in the Kurdistan region of northern Iraq. *Tectonophysics*, v. 694, p. 332-335.

Baran, Z.O., Dilek, Y., and Stockli, D.F., 2017, Diachronous uplift and cooling history of the Menderes core complex, western Anatolia (Turkey), based on new zircon (U-Th)/He ages. *Tectonophysics*, v. 694, p. 181-196.

Sharman, G.R.**, Covault, J.A., Stockli, D.F., Wroblewski, A.F.J., and Bush, M.A., 2017, Early Cenozoic drainage reorganization of the United States Western Interior-Gulf of Mexico sediment routing system. *Geology*, G38765.1

Kollenz, S., Glasmacher, U.A., Rossello, E.A., Stockli, D.F., Schad, A., and Pereyra, R.E., 2016, Thermochronological constraints on the Cambrian to recent geological evolution of the Argentina passive continental margin, *Tectonophysics*.

Catlos, E.J., Reyes, E., Brookfield, M., and Stockli, D.F., 2016, Age and emplacement of the Permian-Jurassic Menghai batholith. *International Geology Review*.

Xu, J.*, Snedden, J.W., Stockli, D.F., Fulthorpe, C.S., and Galloway, W.E., 2017, Early Miocene continental-scale sediment supply to the Gulf of Mexico Basin based on detrital zircon analysis. *Geological Society of America Bulletin*.

Cooperdock, E.H.G.*, and Stockli, D.F., 2016, Unraveling alteration histories in serpentinites and associated ultramafic rocks with magnetite (U-Th)/He geochronology. *Geology*, v. 44, p. 967-970.

Szymanski, E.*, Stockli, D.F., Johnson, P.R., and Hager, C., 2016, Thermochronometric evidence for diffuse extension and two-phase rifting within the Arabian Margin of the Red Sea Rift. *Tectonics*.

Domenech, M., Teixell, A., and Stockli, D.F., 2016, Magnitude of rift-related burial and orogenic contraction in the Marrakech High Atlas revealed by zircon (U-Th)/He thermochronology and thermal modeling. *Tectonics*, v. 35, p. 2609-2635.

Pierce, J.D., Ruppel, S.C., Rowe, H.R., and Stockli, D.F., 2016, Zircon U-Pb geochronology and sources of volcanic ash beds in the upper Cretaceous Eagle Ford Shale, South Texas. *GCAGS Journal*, v. 5., p. 253-274.

Seymour, N.M.*, Stockli, D.F., Beltrando, M., and Smye, A.J., 2016, Tracing the Thermal Evolution of the Corsican Lower Crust during Tethyan Rifting. *Tectonics*.

Prior, M.G.*, Stockli, D.F., and Singleton:, J.S., 2016, Miocene slip history of the Eagle Eye detachment fault, Harquahala Mountains metamorphic core complex, west-central Arizona: Harquahala Mountains Miocene slip. *Tectonics*.

Hart, N.R.*, Stockli, D.F., and Hayman, N.W., 2016 Provenance evolution during progressive rifting and hyperextension using bedrock and detrital zircon U-Pb geochronology, Mauléon Basin, western Pyrenees. *Geosphere*.

Bush, M.A., Horton, B.K., Murphy, M.A., and Stockli, D.F., 2016, Detrital record of initial basement exhumation along the Laramide deformation front, southern Rocky Mountains: Raton basin provenance analysis. *Tectonics*.

Anfinson, O.A.**, Malusà, M.G., Ottria, G., Dafov, L.N.*, and Stockli, D.F., 2016, Tracking coarse-grained gravity flows by LASS-ICP-MS depth-profiling of detrital zircon (Aveto Formation, Adriatic foredeep, Italy). *Marine and Petroleum Geology.*

Horton, B.K., Fuentes, F., Boll, A., Starck, D., Ramírez, S.G., and Stockli, D.F., 2016, Andean stratigraphic record of the transition from backarc extension to orogenic shortening: A case study from the northern Neuquén Basin, Argentina. *Journal of South American Earth Sciences*.

Carrapa B., Di Giulio, A., Mancin, N., Stockli, D.F., Fantoni, R., Hughes, A., and Gupta, S., 2016, Tectonic significance of Cenozoic exhumation and foreland basin evolution in the Western Alps: Tectonic evolution of the Western Alps. *Tectonics*.

Fildani, A., McKay, M.P., Stockli, D.F., Clark, J., Dykstra, M.L., Stockli, L.D., and Hessler, A.M., 2016, The ancestral Mississippi drainage archived in the late Wisconsin Mississippi deep-sea fan. *Geology*.

Wolff, R.,Dunkl, I., Kempe, U., Stockli, D.F., Wiedenbeck, M., and Von Eynatten, H., 2016, Variable helium diffusion characteristics in fluorite. *Geochimica et Cosmochimica Acta*.

Bosworth, W., and Stockli, D.F., 2016 Early magmatism in the greater Red Sea rift: timing and significance. *Canadian Journal of Earth Sciences.* 3(11): 1158-1176

McKenzie, N.R.**, Horton, B.K., Loomis, S.E., Stockli, D.F., Planavsky, N.J. and Lee, C-T.A., 2016, Continental arc volcanism as the principal driver of icehouse-greenhouse variability. *Science.*

Pingel, H., Mulch, A., Alonso, R.N., Cottle, J., Hynek, S.A., Poletti, J., Rohrmann, A., Schmitt, A.K., Stockli, D.F., and Strecker, M.R., 2016, Surface uplift and convective rainfall along the southern Central Andes (Angastaco Basin, NW Argentina). *Earth and Planetary Science Letters*.

Kirchner, K.L., Behr, W.M., Loewy, S., and Stockli, D.F., 2016, Early Miocene subduction in the western Mediterranean: Constraints from Rb-Sr multimineral isochron geochronology. *G-Cubed*.

De Vicente i Bosch, G., Teixell, A., Jolivet, M., Labaume, P., Stockli, D.F., Domènech, M., and Monié, P., 2016, Timing of Eocene–Miocene thrust activity in the Western Axial Zone and Chaînons Béarnais (west-central Pyrenees) revealed by multi-method thermochronology. *Comptes Rendus Geosciences.*

Anfinson, O.A.**, Embry, A.F., and Stockli, D.F., 2016, Geochronologic Constraints on the Permian-Triassic Northern Source Region of the Sverdrup Basin, Canadian Arctic Islands. *Tectonophysics*.

Powell, J., Schneider, D., Stockli, D.F., and Fallas, K., 2016, Zircon (U-Th)/He thermochronology of Neoproterozoic strata from the Mackenzie Mountains, Canada: Implications for the Phanerozoic exhumation and deformation history of the northern Canadian Cordillera. *Tectonics*.

Bargnesi, E.A.*, Stockli, D.F., Hourigan, J.K., and Hager, C.*, 2016, Improved accuracy of zircon (U-Th)/He ages by rectifying parent nuclide zonation with practical methods. *Chemical Geology.*

Malusà, M.G., Anfinson, O.A.**, Dafov, L.N.*, and Stockli, D.F., 2016, Tracking Adria indentation beneath the Alps by detrital zircon U-Pb geochronology: Implications for the Oligocene–Miocene dynamics of the Adriatic microplate. *Geology*, DOI:10.1130/G37407.1

Shi, H., Shi, X., Glasmacher, U.A., Yang, X., and Stockli, D.F., 2016, The evolution of eastern Sichuan basin, Yangtze block since Cretaceous: Constraints from low temperature thermochronology. *Journal of Asian Earth Sciences*, *116*, 208-221.

Marsh, J.H.**, and Stockli, D.F., 2015, Zircon U-Pb and trace element zoning characteristics in an anatectic granulite domain: Insights from LASS-ICP-MS depth profiling. *Lithos.*

Nie, J., Stevens, T., Rittner, M., Stockli, D.F., Garzanti, E., Limonta, M., Bird, A., Andò, S., Vermeesch, P., Saylor, J., Lu, H., Breecker, D., Hu, X., Liu, S., Resentini, A., Vezzoli, G., Peng, W., Carter, A., Ji, S., and Pan, B., 2015, Loess Plateau storage of Northeastern Tibetan Plateau-derived Yellow River sediment. *Nature*.

Verdel, C.**, Stockli, D.F., Purdy, D., 2015, Low-temperature thermochronology of the northern Thomson Orogen: Implications for exhumation of basement rocks in NE Australia. *Tectonophysics*.

Ballato, P., Landgraf, A., Schildgen, T.F., Stockli, D.F., Fox, M., Ghassemi, M.R., Kirby, E., and Strecker, M.R., 2015, The growth of a mountain belt forced by base-level fall: Tectonics and surface processes during the evolution of the Alborz Mountains, N Iran. *Earth and Planetary Science Letters*.

Beltrando, M., Stockli, D.F., Decarlis, A., and Manatschal, G., 2015, A crustal-scale view at rift localization along the fossil Adriatic margin of the Alpine Tethys preserved in NW Italy. *Tectonics*, vol. 34(9).

Liu, S., Li, J., Stockli, D.F., Song, C., Nie, J., Peng, T., Wang, X., He, K., Hui, Z., and Zhang, J., 2015, Late Tertiary reorganizations of deformation in Northeastern Tibet constrained by stratigraphy and provenance data from Eastern Longzhong Basin. *Journal of Geophysical Research: Solid Earth*, vol. 120(8).

Reyes-Harker, A., Ruiz-Valdivieso, C.F., Mora, A., Ramírez-Arias, J.C., Rodriguez, G., De La Parra, F., Caballero, V., Parra, M., Moreno, N., Horton, B.K., Saylor, J.E., Silva, A., Valencia, V., Stockli, D.F., and Blanco, V., 2015, Cenozoic paleogeography of the Andean foreland and retro-arc hinterland of Colombia. *AAPG Bulletin*, vol. 99(8), p. 1407-1453.

Hughes, N.C., Myrow, P.M., McKenzie, N.R., Xiao, S., Banerjee, D.M., Stockli, D.F., and Tang, Q., 2015, Age and Implications of the phosphatic Birmania Formation, Rajasthan, India. *Precambrian Research* vol. 267, p. 164-173.

Bosworth, W., Stockli, D.F., Helgeson, and D.E., 2015, Integrated outcrop, 3D seismic, and geochronologic interpretation of Red Sea dike-related deformation in the Western Desert, Egypt – The role of the 23 Ma Cairo "mini-plume". *Journal of African Earth Sciences*, vol. 109, p. 107-119.

Ludvigson, G.A., Joeckel, R.M., Murphy, L.R., Stockli, D.F., González, L.A., Suarez, C.A., Kirkland, J.I., and Al-Suwaidi, A., 2015, The emerging terrestrial record of Aptian-Albian global change. *Cretaceous Research*.

Bidgoli, T.S.*, Stockli, D.F., and Walker, J.D., 2015, Low-temperature thermochronologic constraints on the kinematic histories of the Castle Cliffs, Tule Springs, and Mormon Peak detachments, southwestern Utah and southeastern Nevada. *Geosphere*.

Kounov, A., Wüthrich, E., Seward, D., Burg, J.P., and Stockli, D.F., 2015, Low-temperature constraints on the Cenozoic thermal evolution of the Southern Rhodope Core Complex (Northern Greece). *International Journal of Earth Sciences*.

Howe, T.M., Schmitt, A.K., Lindsay, J.M., Shane, P., and Stockli, D.F., 2015, Time scales of intraoceanic arc magmatism from combined U-Th and (U-Th)/He zircon geochronology of Dominica, Lesser Antilles. *G-Cubed.*

Etemad-Saeed, N., Hosseini-Barzi, M., Hossein Adabi, M., Miller, N.R., Sadeghi, A., Houshmandzadeh, A., and Stockli, D.F., 2015, Evidence for ca. 560 Ma Ediacaran glaciation in the Kahar Formation, central Alborz Mountains, northern Iran. *Gondwana Research*.

Walker, J.D., Bidgoli, T.S.*, Didericksen, B.D., Stockli, D.F., and Andrew, J.E., 2014, Middle Miocene to Recent Exhumation of the Slate Range, Eastern California, and Implications for the Timing of Extension and the Transition to Transtension. *Geosphere*.

Sathaye, K., Hesse, M.A., Cassidy, M., and Stockli, D.F., 2014, Constraints on the magnitude and rate of CO2 dissolution at Bravo Dome natural gas field. *Proceedings of the National Academy of Sciences*.

Smye, A.**, and Stockli, D.F., 2014, Rutile U-Pb depth profiling: A continuous record of lithospheric thermal evolution. *Earth and Planetary Science Letters*, vol. 408, p. 171-182.

Cassel, E.J.**, Breecker, D.O., Henry, D.O., Larson, T.E., and Stockli, D.F., 2014, Profile of a paleo-orogen: High topography across the present-day Basin and Range from 40 to 23 Ma. *Geology*, v. 42, p. 1007-1010.

Soares, C.J., Mertz-Kraus, R., Guedes, S., Stockli, D.F., and Zack, T., 2014, Characterisation of Apatites as Potential Uranium Reference Materials for Fission-Track Dating by LA-ICP-MS. *Geostandards and Geoanalytical Research*, v. 9, p. 18.

Nie, J., Peng, W., Möller, A., Song, Y., Stockli, D.F., Stevens, T., Horton, B.K., Liu, S., Bird, A., Oalmann, J., Gong, H., and Fang, X., 2014, Provenance of the upper Miocene–Pliocene Red Clay deposits of the Chinese loess plateau. *Earth and Planetary Science Letters*, vol, 407, p. 35–47.

Levina, M., Horton, B.K., Fuentes, F., and Stockli, D.F., 2014, Cenozoic sedimentation and exhumation of the foreland basin system preserved in the Precordillera thrust belt (31–32°S), southern central Andes, Argentina. *Tectonics*, v. 33, p.

Howe, T.H., Lindsay, J.M., Shane, P., Schmitt, A.K., and Stockli, D.F., 2014, Re-evaluation of the Roseau Tuff eruptive sequence and other ignimbrites in Dominica, Lesser Antilles. *Journal of Quaternary Science*, v. 29, p.

Wielicki, M.M., Harrison, T.M., and Stockli, D.F., 2014, Dating terrestrial impact structures: U-Pb depth profiles and (U-Th)/He ages of zircon. *Geophysical Research Letters*.

Singleton, J.** and Stockli, D.F., 2013, Timing, rate, and magnitude of slip on the Buckskin-Rawhide detachment fault, west-central Arizona, *Geosphere.*

Bidgoli, T.S.*, Amir, E., Walker, J.D., Stockli, D.F., Andrew, J.E., and Caskey, J.S., Low-temperature thermochronology of the Black and Panamint mountains, Death Valley, CA: Implications for geodynamic controls on Cenozoic intraplate strain. *Geology*.

Gebauer, S., Schmitt, A.K., Pappalardo, L., Stockli, D.F., and Lovera, O.M., Crystallization and eruption ages of Breccia Museo (campi Flegrei caldera, Italy) plutonic clasts and their relation to the Campanian Ignimbrite*. Contributions to Mineralogy and Petrology*, vol. 167, p. 953-971.

Gorynski, K.*, Walker, J.D., Stockli, D.F., and Sabin, A., 2014, Apatite (U–Th)/He thermochronometry as an innovative geothermal exploration tool: A case study from the southern Wassuk Range, Nevada. *Journal of Volcanology and Geothermal Research*, vol. 270, p. 99–114.

Anfinson, O.A., Leirer, A.L., Dewing, K., Guest, B., Stockli, D.F., and Embry, A.F., 2013, Insights into the Phanerozoic tectonic evolution of the northern Laurentian margin: detrital apatite and zircon (U–Th)/He ages from Devonian strata of the Franklinian Basin, Canadian Arctic Islands. *Canadian Journal of Earth Sciences*, vol. 50, p. 761-768.

Schmitt, A.K., Martin, A., Weber, B., Stockli, D.F., Zou, H., and Shen, C.-C., 2013, Oceanic magmatism in the sedimentary basins of the northern Gulf of California rift, *Geological Society of America Bulletin*, vol. 125, p. 1833-1850.

Karl, M., Glasmacher, U.A., Kollenz, S., Franco-Magalhaes, A.O.B., Stockli, D.F., Hackspacher, P.C., 2013, Evolution of the South Atlantic passive continental margin in southern Brazil derived from zircon and apatite (U–Th–Sm)/He and fission-track data. *Tectonophysics*, vol. 604, p. 224-244.

Lindsay, J.M., Trumbull, R.B., Schmitt, A.K., Stockli, D.F., Shane, P., and Howe, T., 2013, Volcanic stratigraphy and geochemistry of the Soufrière Volcanic Centre, Saint Lucia with implications for volcanic hazards. *Journal of Volcanology and Geothermal Research*, vol. 258, p. 126-142.

Sundell, K.E.*, Taylor, M.H., Styron, R.H., Stockli, D.F., Kapp, P., Hager, C.*. Liu, D., and Ding. L., 2013, Evidence for constriction and Pliocene acceleration of east-west extension in the North Lunggar rift region of west central Tibet. *Tectonics*, DOI: 10.1002/tect.20086.

Styron, R.H., Taylor, M.H., Sundell, K.E.*, Stockli, D.F., Oalmann, J.A.G., Möller, A., McCallister, A.T., Liu, D., and Ding, L., 2013, Miocene initiation and acceleration of extension in the South Lunggar rift, western Tibet: evolution of an active detachment system from structural mapping and (U-Th)/He thermochronology. *Tectonics*, vol. 32, p. 880-907.

Moreno, N., Silva, A., Mora, A., Teson, E., Quintero, I., Rojas, L.E., Lopez, C., Blanco, V., Castellanos, J., Sanchez, J., Osorio, L., Namson, J., Stockli, D.F., and Casallas, W., 2013, Interaction between thin- and thick-skinned tectonics in the foothill areas of an inverted graben. The Middle Magdalena Foothill belt. *Geological Society of London Special Publications*, vol. 377(1), p. 221-255.

Carrapa, B., Reyes-Bywater, S., Safipour, R., Sobel, E.R., Schoenbohm, L.M., DeCelles, P.G., Reiners, P., and Stockli, D.F., 2013, The effect of inherited paleotopography on the exhumation of the Central Andes of NW Argentina, *Geological Society of America Bulletin*.

Gorynski, K.*, Stockli, D.F., and Walker, J.D., 2013, Thermochronometrically constrained anatomy and evolution of a Miocene extensional accommodation zone and tilt domain boundary: the southern Wassuk Range, Nevada. *Tectonics*, vol. 32, p. 1–24.

Mora, A., Blanco, V., Naranjo, J., Sanchez, N., Ketcham, R.A., Rubiano, J., Stockli, D.F., Quintero, I., Nemcok, M., Horton, B.K., and Davila, H., 2013, On the lag time between internal strain and basement involved thrust induced exhumation: The case of the Colombian Eastern Cordillera. *Geological Society, London, Special Publications*, v. 377, 10.1144/SP377.6.

Jimenez, L., Mora, A., Casallas, W., Silva, A., Teson, E., Tamara, J., Namson, J., Higuera-Diaz, I.C., Lasso, A., Stockli, D.F., 2013, Segmenatation and growth of footwall thrust-belts adjacent to inverted grabens; the case of the Colombia Llanos foothills. *Geological Society, London, Special Publications*, v. 377, 10.1144/SP377.6.

Caballero, V., Mora, A., Quintero, I., Blanco, V., Parra. M., Rojas, L.E., Lopez, C., Sanchez, N., Horton, B., Stockli, D.F., and Duddy, I., 2013, Tectonic controls on sedimentation in an intramontane hinterland basin adjacent to inversion structures: the Nuevo Mundo syncline, Middle Magdalena Valley, Colombia. *Geological Society, London, Special Publications*, v. 377, 10.1144/SP377.6.

Mora, A., Reyes-Harker, A., Rodriguez, G., Teson, E., Ramierz-Arias, J.C., Parra, M., Caballero, V., Mora, J.P., Quintero, I., Valencia., V Ibanez, M., Horton, B.K, Stockli D.F., 2013, Inversion tectonics under increasing rates of shortening and sedimentation: Cenozoic example from the Eastern Cordillera of Colombia. *Geological Society, London, Special Publications*, v. 377, 10.1144/SP377.6.

Woodruff, W.H., Horton, B.K., Kapp, P., and Stockli, D.F., 2013, Late Cenozoic evolution of the Lunggar extensional basin, Tibet: Implications for basin growth and exhumation in hinterland plateaus. *Geological Society of America Bulletin*, v. 125 no. 3-4 p. 343-358.

Lee, J.P.*, Stockli, D.F., Kelley, S.A., Pederson, J.L., Karlstrom, K.E., and Ehlers, T.A., 2013, New thermochronometric constraints on the Tertiary landscape evolution of the central and eastern Grand Canyon, Arizona. *Geosphere*, v. 9, p. 216-228.

Sobel, E.R., Chen, J., Schoenbohm, L.M., Thiede R., Stockli, D.F., Sudo, M., and Strecker, M., 2013, Oceanic-style subduction controls late Cenozoic deformation of the Northern Pamir orogen. *Earth and Planetary Science Letters*, v. 363, p. 204-218.

Ballato, P., Stockli, D.F., Ghassemi, M.R., Landgraf, A., Strecker, M.R., Hassanzadeh, J., Friedrich, A., and Tabatabeai, S.H., 2013, Accommodation of transpressional strain in the Arabia-Eurasia collision zone: new constraints from (U-Th)/He thermochronology in the Alborz mountains, north Iran. *Tectonics*, 32 (1), p. 1-18.

Anfison O.A., Leier, A.L., Dewing, K., Guest, B., Stockli, D.F., Dewing, K., and Embry, A., and Hibbard, J., 2013, Insights into the Tectonic Evolution of the Northern Laurentian Margin of Arctic Canada from Detrital Apatite and Zircon (U-Th)/He Ages. *Canadian Journal of Earth Sciences*, vol. 50, p. 761-768.

Schmitt, A.K., Martin, A., Stockli, D.F., Farley, K.A., and Lovera, O.M., 2013, (U-Th)/He zircon and archaeological ages for a late prehistoric eruption in the Salton Trough (California, USA). *Geology*, v. 41, p. 7-10.

Berger, A., Schneider, D.A., Graseman, B., and Stockli, D.F., 2012, Footwall mineralization during Late Miocene extension along the West Cycladic Detachment System, Lavrion, Greece. *Terra Nova*, vol. 25, p. 181-191.

Von Hagke, C., Cederbom, C.E., Oncken, O., Stockli, D.F., Rahn, M.K., and Schlunegger, F., 2012, Linking the Northern Alps with their foreland: the latest exhumation and erosion history resolved by low temperature thermochronology. *Tectonics*.

Soukis, K., and Stockli, D.F., 2013, Structural and thermochronometric evidence for multi-stage exhumation Of Southern Syros, Cycladic Islands, Greece. *Tectonophysics.* vol. 595-596, p. 148-164.

Bargnesi, E.*, Stockli, D.F., Macktelow, N., and Soukis, K., 2012, Miocene core complex development and coeval supradetachment basin evolution of Paros, Greece - Insights from (U-Th)/He thermochronometry. *Tectonophysics*, vol. 595-596, p. 165-182.

Wilke, F.D.H., Sobel, E.R., O'Brien, P.J., and Stockli, D.F., 2012, Apatite fission track and (U–Th)/He ages from the Higher Himalayan Crystallines, Kaghan Valley, Pakistan: Implications for an Eocene Plateau and Oligocene to Pliocene exhumation. *Journal of Asian Earth Sciences*, vol. 59, p. 14-23.

Saylor, J.E., Stockli, D.F., Horton, B.K., Nie, J., and Mora, A., 2012, Discriminating rapid exhumation from syndepositional volcanism using detrital zircon double dating: Implications for the tectonic history of the Eastern Cordillera, Colombia. *Bulletin of the Geological Society of America*, v. 124, p. 762-779.

De Grave, J., Glorie, S., Buslov, M.M., Stockli, D.F., McWilliams, M.O., Batalex, V.Y., Van den Haute, P., 2012, Thermo-tectonic history of the Issyk-Kul basement (Kyrgyz Northern Tien Shan, Central Asia). *Gondwana Research*, vol. 23, p. 998-1020.

Ramirez-Arias, J.C., Mora, A., Rubiano, J., Duddy, I., Parra, M., Moreno, N., Stockli, D.F. and Casallas, W., 2012, The asymmetric evolution of the Colombian Eastern Cordillera. Tectonic inheritance or climatic forcing? New evidence from thermochronology and sedimentology. *Journal of South American Earth Sciences*, vol. 39, p. 112.137.

Karlstrom, K.E., Coblentz, D., Dueker, K., Ouimet, W., Kirby, E., Van Wijk, J., Schmandt, B., Kelley, S., Lazear, G., Crossey, L.J., Crow, R., Aslan, A., Darling, A., Aster, R., Maccarthy, J., Hansen, S.M., Stachnik, J., Stockli, D.F., Garcia, R.V., Hoffman, M.*, Mckeon, R., Feldman, J.*, Heizler, M., Donahue1, M.S., 2012, Mantle-driven dynamic uplift of the Rocky Mountains and Colorado Plateau and its surface response: Toward a unified hypothesis. *Lithosphere*, v. 4. p. 3–22.

Grasemann, B., Schneider, D.A., Stockli, D.F., & Iglseder, C., 2012, Miocene bivergent crustal extension in the Aegean: Evidence from the western Cyclades (Greece). *Lithosphere,* v. 4, p. 23-39.

Saylor, J.E., Horton, B.K., Stockli, D.F., Mora, A., Corredor, J., 2012. Structural and thermochronological evidence for Paleogene basement-involved shortening in the axial Eastern Cordillera, Colombia. *Journal of South American Earth Sciences*, vol. 39, p. 202-215.

Sánchez, J., Horton, B.K., Tesón, E., Mora, A., Ketcham, R.A., and Stockli, D.F., 2012, Kinematic evolution of Andean fold-thrust structures along the boundary between the Eastern Cordillera and Middle Magdalena Valley basin, Colombia. *Tectonics*, vol. 31, TC3008.

Bande, A., Horton, B.K., Ramirez, J.C., Mora, A., Parra, M., and Stockli, D.F., 2012, Clastic deposition, provenance, and sequence of Andean thrusting in the frontal Eastern Cordillera and Llanos foreland basin of Colombia. *Bulletin of the Geological Society of America*, vol. 124, p. 59-76.

Ruiz, G.M.H., Sebti, S., Negro, F., Saddiqi, O., Frizon de Lamotte, D., Stockli, D.F., Foeken, J., Stuart, F., Barbarand, J., and Schaer, J. P., 2011, From central Atlantic continental rift to Neogene uplift; western Anti-Atlas (Morocco). *Terra Nova*, v. 23, p. 35-41.

Druschke, P., Hanson, A.D., Wells, M.L., Gehrels, G.E., and Stockli, D., 2011, Paleogeographic isolation of the Cretaceous to Eocene Sevier hinterland, east-central Nevada: Insights from U-Pb and (U-Th)/He detrital zircon ages of hinterland strata. *Bulletin of the Geological Society of America*, vol. 123, no. 5-6 p. 1141-1160.

Carrapa, B., Trimble, J.D., and Stockli, D.F., 2011, Patterns and timing of exhumation and deformation in the Eastern Cordillera of NW Argentina revealed by (U-Th)/He thermochronology. *Tectonics*.

Kelley, S.A., Karlstrom, K.E., Stockli, D.F., McKeon, R., Hoffman, M.*, Lee, J.*, Pederson, J., Garcia, R., and Coblentz, D., 2011, A summary and evaluation of thermochronologic constraints on the exhumation history of the Colorado Plateau-Rocky Mountain region. *Open-File Report - U. S. Geological Survey*, p. 160-167.

Glorie, S., De Grave, J., Buslov, M.M., Zhimulev, F.I., Stockli, D.F., Batalev, V.Y., Izmer, A., Vanhaecke, F., and Elburg, M.A., 2011, Tectonic history of the Kyrgyz Tien Shan (Atbashi-Inylcheck) suture zone: the role of inherited structures during deformation propagation. *Tectonics*.

Hoffman, M.*, Stockli, D.F., Kelley, S.A., Pederson, J., and Lee, J., 2011, Mio-Pliocene erosion exhumation of the central Colorado Plateau, eastern Utah; new insights from apatite (U-Th)/He thermochronometry. *Open-File Report - U. S. Geological Survey*, p. 132-136.

Lee, J.P.*, Stockli, D.F., Kelley, S.A., and Pederson, J., 2011, Unroofing and incision of the Grand Canyon region as constrained through low-temperature thermochronology. *Open-File Report - U. S. Geological Survey*, p. 175-179.

Lee, J., Hager, C.*, Wallis, S.R., Stockli, D.F., Whitehouse, M.J., Aoya, M., and Wang, Y., 2011, Middle to late Miocene extremely rapid exhumation and thermal reequilibration in the Kung Co rift, southern Tibet. *Tectonics*, vol. 30, p. 1-26.

Sobel, E.R., Schoenbohm, L.M., Chen, J., Thiede, R., Stockli, D.F., Sudo, M., and Strecker, M.R., 2011, Late Miocene–Pliocene deceleration of dextral slip between Pamir and Tarim: Implications for Pamir orogenesis. *Earth and Planetary Science Letters*, vol. 304, p. 369-378.

Zack, T., Stockli, D.F., Luvizotto, G.L., Barth, M.G., Belousova, E., Wolfe, M.R.*, and Hinton, R.W., 2011, In situ U–Pb rutile dating by LA-ICP-MS: 208Pb correction and prospects for geological applications. *Contrib Mineral Petrol,* vol. 162, p. 515-530.

Ballato, P., Uba, C.E., Landgraf, A., Strecker, M.R., Sudo, M., Stockli, D.F., Friedrich, A., and Tabatabaei, M., 2011, Arabia-Eurasia continental collision: insights from late Tertiary foreland-basin evolution in the Alborz mountains, northern Iran. *Geological Society of America Bulletin*, v. 123, p. 106–131.

Schmitt, A.K., Perfit, M.R., Rubin, K.H., Stockli, D.F., Smith, M.C., Cotsonika, L.A., Zellmer, G.F., Ridley, W.I, and Lovera, O.M., 2011, Rapid cooling rates at an active mid-ocean ridge from zircon thermochronology. *Earth and Planetary Science Letters* vol. 302, p. 349–358.

Horton, B.K., Parra, M., Saylor, J.E., Nie. J., Mora, A., Torres V., Stockli, D.F., Strecker, M.R., 2010, Resolving uplift of the northern Andes using detrital zircon age signatures. *GSA Today*.

Mora, A., Horton, B., Mesa, A., Rubiano, J., Garcia, D., Blanco, V., Ketcham, R.A., Parra M., and Stockli, D.F., 2010, Migration of Cenozoic deformation in the Eastern Cordillera of Colombia interpreted from fission track results and structural relationships: Implications for petroleum systems. *AAPG Bulletin*, v. 94, p. 1543–1580.

Wolfe, M.R.*, and Stockli, D.F., 2010, Zircon (U-Th)/He thermochronometry in the KTB drill hole, Germany, and its implications for bulk He diffusion kinetics in zircon. *Earth and Planetary Science Letters*, vol. 295, p. 69-82.

Schmitt, A.K., Stockli, D.F., Lindsay, J.M., Robertson, R., Lovera, O.M., and Kislitsyn, R., 2010. Episodic Growth and Homogenization of Plutonic Roots in Arc Volcanoes from Combined U-Th and (U-Th)/He Zircon Dating. *Earth and Planetary Science Letters*, vol. 295, p. 91-103.

Schmitt, A.K., Stockli, D.F., Niedermann, S., Lovera, O.M., and Hausback, B.P., 2010, Eruption ages of Las Tres Vírgenes volcano (Baja California): A tale of two helium isotopes. *Quaternary Geochronology*.

Wipf, M., Glasmacher, U.A., Stockli, D.F., Emmerich, A., Bechstadt, T., and Bauer, H., 2010, Reconstruction of the differentiated long-term exhumation history of Fuerteventura, Canary Islands, Spain, through fission track and (U-Th-Sm)/He data. *International Journal of Earth Sciences*, vol. 99, p. 675-686.

Glorie, S., De Grave, J., Buslov, M.M., Elburg, M.A., Stockli, D.F., Gerdes, A., and Van den Haute. P., 2010, Multi-method chronometric constraints on the evolution of the Northern Kyrgyz Tien Shan batholith (Central Asian Orogenic Belt): from emplacement to exhumation. Journal of Asian Earth Sciences, vol. 38, p. 131-146.

Gavillot, Y., G. J. Axen, D. F. Stockli, B. K. Horton, and M. D. Fakhari, 2010, Timing of thrust activity in the High Zagros fold-thrust belt, Iran, from (U-Th)/He thermochronometry *Tectonics*.

Druschke, P., Hanson, A.D., Wells, M.L., Rasbury, T, Stockli, D.F., and Gehrels, G.E., 2009, Synconvergent surface-breaking normal faults of Late Cretaceous age within the Sevier hinterland, east-central Nevada. *Geology*, vol. 37, p. 447-450.

Shirvell, C.*, Stockli, D.F., Axen, G.J., and Grove, M., 2009, Miocene-Pliocene Exhumation along the West Salton Detachment Fault (WSDF), Southern California, from (U-Th)/He Thermochronometry of Apatite and Zircon. *Tectonics*.

Tincher, C.* and Stockli, D.F., 2009, Cenozoic Volcanism and Tectonics in the Queen Valley Area, Esmeralda County, Western Nevada. *Geological Society of America Special Paper*, vol. 447, p. 165-185.

Luvizotto, G.L., Zack, T., Meyer, H.P., Ludwig, T., Triebold, S., Kronz, A., Münker, C., Stockli, D., Prowatke, S., and Klemme, S., 2009, Characterization of rutile crystals as potential secondary standards for microanalysis. *Chemical Geology*, vol. 261, p. 346-369.

Christie, M., Tsoflias, G., Stockli, D.F., and Black, R., 2009, Assessing fault displacement and off-fault deformation in an extensional tectonic setting using 3-D ground-penetrating radar imaging. *Journal of Applied Geophysics,* vol. 68, p. 9-16.

Restrepo, S.A., Foster, D.A., Stockli, D.F., and Parra, L., 2009, Long-term erosion and exhumation of the "Altiplano Antioqueño", Northern Andes (Colombia) from apatite (U-Th)/He thermochronology. *Earth And Planetary Science Letters,* vol. 278, p. 1-12.

Lee, J., Stockli, D.F., Owen, L.A., Finkel, R.C., and Kislitsyn, R.*, 2009, Exhumation of the Inyo Mountains, California: Implications for the timing of extension along the western boundary of the Basin and Range Province and distribution of dextral fault slip rates across the eastern California shear zone. *Tectonics*.

Lee, J., Garwood, J., Stockli, D.F., and Gosse, J., 2009, Quaternary faulting in Queen Valley, California-Nevada: Kinematics of Fault Slip Transfer in the Eastern California Shear Zone-Walker Lane Belt. *Geological Society of America Bulletin*, v. 121, p. 599-614.

Blackburn*, T.J., Stockli, D.F., Carlson, R.W., and Berendsen, P., 2008, (U-Th)/He dating of kimberlites – A case study from north-eastern Kansas. *Earth Planetary Science Letters*, vol. 275, p. 111-120.

Ritts, B.D., Yongjun, Y., Graham, S.A., Sobel, E.R., Abink, O.A., and Stockli, D.F., 2008, From Sea Level to High Elevation in 15 Million Years: Uplift History of the Northern Tibetan Plateau Margin in the Altun Shan. *American Journal of Science*, vol. 308, p. 657-678.

Lackey, J.S., Valley, J.W., Chen, J.H., Stockli, D.F., and House, M.A., 2008, The Oxygen Isotope Record of Magma Sources, Alteration, and Cryptic Crustal Boundaries in the Central Sierra Nevada Batholith. *Journal of Petrology*, vol. 49, p. 1397-1426.

Brichau, S.*, Ring, U., Carter, A., Bolhar, R., Monie, P., Stockli, D., and Brunel, M., 2008, Timing, slip rate, displacement and cooling history of the Mykonos detachment footwall, Cyclades, Greece, and implications for the opening of the Aegean Sea basin. *Journal of the Geological Society*, London, vol. 165, p. 263–277.

Horton, B.K., Hassanzadeh, J., Stockli. D.F., Axen, G.J., Gillis, R.J., Guest, B., Amini, A., Fakhari, M., Zamanzadeh, M.S., and Grove, G., 2008, Detrital zircon provenance of Neoproterozoic to Cenozoic deposits in Iran: Implications for chronostratigraphy and collisional tectonics. *Tectonophysics*, vol. 451, p. 97-122.

Hassanzadeh, J., Stockli. D.F., Horton, B.K., Axen, G.J., Stockli, L.D., Grove. M., Schmitt, A., and Walker, J.D., 2008, U-Pb zircon geochronology of late Neoproterzoic-Early Cambrian granitoids in Iran: Implications for paleogeography, magmatism, and exhumation history of Iranian basement. *Tectonophysics*, v. 451, p. 71-96.

Oldow, J.S., Geissman, J.W., and Stockli, D.F., 2008, Evolution of late Neogene transtension in structural stepovers linking the central Walker Lane and northern Eastern California Shear Zone, western Great Basin. *International Geology Review*, vol. 50, p. 1–21.

Kapp, P., Taylor, M., Stockli, D.F., and Ding, L., 2008, Development of active low-angle normal fault systems during orogenic collapse: Insight from Tibet. *Geology*, vol. 36, p. 7–10.

Biswas, S., Coutand, I., Grujic, D., Hager, C.*, Stockli, D.F., and Grasemann, B., 2007, Exhumation of the Shillong plateau and its influence on east Himalayan tectonics. *Tectonics*.

Schmitt, A.K, Stockli, D.F., and Hausback, B.P., 2007, Reply to comment by: Lucia Capra, Claus Siebe, José Luis Macías, and Juan Manuel Espíndola. *Journal of Volcanology and Geothermal Research*, vol. 163, p. 102–103.

Blackburn T.J.*, Stockli, D.F., and J.D. Walker, 2007, Magnetite (U–Th)/He dating and its application to the geochronology of intermediate to mafic volcanic rocks. *Earth and Planetary Science Letters*, vol. 259, p. 360–371.

Schmitt, A.K., Stockli, D.F., and Hausback, B.P., 2007, Reply to comment by: Lucia Capra, Claus Siebe, José Luis Macías, and Juan Manuel Espíndola. *Journal of Volcanology and Geothermal Research*, vol. 163, p. 102-103.

Brichau, S., U. Ring, A. Carter, P. Monié, R. Bolhar, D. Stockli, and M. Brunel, 2007, Extensional faulting on Tinos Island, Aegean Sea, Greece: How many detachments? *Tectonics*.

Stockli, D.F., Szymanski, E.*, Johnson, P., Kattan, F.H., Kadi, K., Al Shamari, A., Omar, G., and Brichau, S., 2006, *Margins*, vol. 17, p. p. 10-12.

Reilinger, R., McClusky, S., Stockli, D., and Nyblade, A., 2006, MARGINS, Rupturing Continental Lithosphere, Northern and Central Red Sea. *Margins*, vol. 17, p. 8-9.

Blackburn T.J.*, and Stockli, D.F., 2006, Comment on "U–Th/He age of phenocrystic garnet from the 79 AD eruption of Mt. Vesuvius" by Sarah Aciego, B.M. Kennedy, Donald J. DePaolo, John N. Christensen, and Ian Hutcheon [Earth Planet. Sci. Lett. 216 (2003) 209–219]. *Earth and Planetary Science Letters*, vol. 250, p. 402–403.

Schmitt, A.K, Stockli, D.F., and Hausback, B.P., 2006, Magma evolution and eruption age of Tres Vírgenes (Baja California) constrained by combined $^{230}Th/^{238}U$ and (U, Th)/He dating of zircon. *Journal of Volcanology and Geothermal Research*, vol. 158, p. 281–295.

Guest, B., Stockli, D.F., Grove, M., Axen, G.J., Lam. P.S., Hassanzadeh. J., 2006, Thermal Histories from the Central Alborz Mountains, northern Iran: Implications for the Spatial and Temporal Distribution of Deformation in northern Iran. *Geological Society of America Bulletin*, v. 118, p. 1507–1521, doi: 10.1130/B25819.1.

Brichau, S.*, Ring, U., Carter, A., Ketcham, R., Stockli, D., and Brunel, M., 2006, Constraining the long-term evolution of the slip rate for a major extensional fault system in the central Aegean, Greece, using thermochronology. *Earth and Planetary Science Letters,* vol. 241, p. 293-306.

Stockli, D.F., 2005, Application of low-temperature thermochronometry to extensional tectonic settings. *In:* Reiners, P., and Ehlers, T. (eds.), Thermochronometry. *Reviews in Mineralogy and Geochemistry,* vol. 58, p. 420-461.

Staiger, J.K.W., Gosse, J.C., Johnson, J., Fastook, J., Gray, J.T., Stockli, D.F., Stockli, L.D., and Finkel, R., 2005, Quaternary relief generation by polythermal glacier ice: a field-calibrated glacial erosion model. *Earth Surface Processes and Landforms*, vol. 30, p 1145-1159**.**

Stockli, D.F., and Farley, K.A., 2004, Empirical constraints on the titanite (U-Th)/He partial retention zone from the KTB drill hole. *Chemical Geology*, 207, p. 223-236.

Davidson, J., Hassanzadeh, J., Berzins, R., Stockli, D. F., Bashukooh, B., Turin, B., and Pandamouz, A., 2004, The Geology of Damavand Volcano, Alborz Mountains, Northern Iran. *Geological Society of America Bulletin*, v. 116, p. 16-29.

King, E.M., Valley, J.W., Stockli, D.F., and Wright, J. E., 2004, Oxygen isotope trends of granitic magmatism in the Great Basin: Location of the Precambrian craton boundary as reflected in zircons. *Geological Society of America Bulletin*, v.116, p. 451–462.

Stockli, D.F., Dumitru, T.A., McWilliams, M.O., and Farley, K.A., 2003, Cenozoic Tectonic Evolution of the White Mountains, California and Nevada. *Geological Society of America Bulletin*, v. 115, p. 788–816.

Tagami, T., Farley, K.A., and Stockli, D.F., 2003, (U–Th)/He geochronology of single zircon grains of known Tertiary eruption age. *Earth and Planetary Science Letters*, v. 207, p. 57-67.

Farley, K.A. and Stockli, D.F., 2002, (U-Th)/He Dating of Phosphates: Apatite, Monazite, and Xenotime. *In:* Kohn, M., Rakovan, J., and Hughes, J.M. (eds.), Phosphates. *Reviews in Mineralogy and Geochemistry,* v. 15, p. 559-578.

Surpless, B.E., Stockli, D.F., Dumitru, T.A., and Miller, E.L., 2002, Two phase westward encroachment of Basin and Range extension into the northern Sierra Nevada. *Tectonics*, vol. 21, 10.1029/2000TC001257.

Stockli, D.F., Surpless, B.E., Dumitru, T.A., and Farley, K.A., 2002, Thermochronological constraints on the timing and magnitude of Miocene and Pliocene extension in the central Wassuk Range, western Nevada. *Tectonics*.

House, M.A, Farley, K.A., and Stockli, D.F., 2001, Helium chronometry of apatite and titanite using Nd-YAG laser heating. *Earth and Planetary Science Letters*, 183, p. 365-368.

Mancktelow, N.S., Stockli, D.F., Grollimund, B., Müller, W., Fügenschuh, B., Viola, G., Seward, D., and Villa, I.M., 2001, The DAV and Periadriatic fault systems in the Eastern Alps south of the Tauern window. *International Journal of Earth Sciences* (Geologische Rundschau), 90, p. 593-622.

Axen, G.J., Lam, P.S., Grove, M., Stockli, D.F., Hassanzadeh, J., 2001, Exhumation of the west-central Alborz Mountains, Iran, Caspian subsidence, and collision-related tectonics. *Geology*, v. 29, no. 6, p. 559–562.

Stockli, D.F., Linn, J.K., Walker, J.D., and Dumitru, T.A., 2001, Miocene unroofing of the Canyon Range during extension along the Sevier Desert Detachment, west-central Utah. *Tectonics*, v. 20, p. 289-307.

Axen, G. J., Stockli, D. F., Grove, M., Lovera, O. M., Rothstein, D. A., Fletcher, J. M., Farley, K. A, and Abbott, P. L., 2000, Thermal evolution of Monte Blanco dome: Late Neogene low-angle normal faulting during Gulf of California rifting and late Eocene denudation of the eastern Peninsular Ranges, *Tectonics*, v. 19, no. 2, p. 197-212.

Stockli, D.F., Farley, K.A. and Dumitru, T.A., 2000, Calibration of the (U-Th)/He thermochronometer on an exhumed normal fault block in the White Mountains, eastern California and western Nevada. *Geology,* v. 28; no. 11, p. 983–986.

Leech, M. L. and Stockli, D. F., 2000, Thermochronological constraints on the exhumation of the Maksyutov Complex, south Ural Mountains, Russia. *Tectonics*, v. 19, p. 153-167.

Stockli, D.F. 1999, Regional timing and spatial distribution of Miocene extension in the northern Basin and Range Province. Ph.D. thesis, Stanford University, 239 p.

Dumitru, T. A. and Stockli, D. F., 1999, A better way to separate apatite from zircon using constriction tubes. In: Van den Haute, P. and De Corte, F. (eds.), Advances in Fission-Track Geochronology, p. 325-330.

Guidebooks:

Lee, J., Stockli, D.F., Schroeder, J., Tincher, C.R.,* Bradley, D.* and Owen, L., 2005, Fault Slip Transfer In The Eastern California Shear Zone/Walker Lane Belt. Field Trip Guide – Geological Society of America Penrose Conference - Kinematics and Geodynamics of Intraplate Dextral Shear in Eastern California and Western Nevada.

Invited Lectures and Short Courses:

2025 IMAGE Houston
2024 NOR-R-AM Short Course, UNIS Svalbard
2023 NOR-R-AM Short Course, UNIS Svalbard
2023 RAUMG Meeting, Puerto Vallarta
2022 NOR-R-AM Short Course, UNIS Svalbard
2020 4th AAPG/EAGE Meeting Dhahran, Saudi Arabia (virtual)
2020 University of Alaska Anchorage (remote)
2019 TOTAL SA in Houston, TX
2018 RAUMG Meeting, Puerto Vallarta
2018 NOR-R-AM Short Course, UNIS Svalbard
2018 IOPD 364 Chicxulub Meeting, Merida, Yucatan
2018 University of Alabama, Tuscaloosa
2018 Tectonic Analysis Sponsor Meeting in Houston
2018 BEG-QCL Sponsors Meeting (2 presentations)

2018 Tectonic Analysis Sponsor Meeting in Houston
2017 BEG-QCL Sponsors Meeting (2 presentations)
2017 University of Oslo, Norway
2017 Université de Nancy, France
2016 Stanford University, Dept. Seminar and Student Brown Bag
2016 University of Texas at San Antonio, San Antonio
2016 BEG-QCL Sponsors Meeting (2 presentations)
2016 Tectonic Analysis Sponsor Meeting in Houston
2016 Invited Lectures on GOM Provenance at Exxon, Chevron, and Statoil
2015 Texas A&M University, College Station,
2014 University of Houston, Houston, October 24, 2014
2014 International Thermochronology Conference, Panelist, September 14, 2014
2014 University of Texas at Dallas, Richardson, April 24, 2014
2014 UNAM Short Course, Juriquilla, Mexico, March 3-4, 2014
2014 UNAM Queretaro Colloquium, Juriquilla, Mexcio, March 5, 2014
2014 iPGST Seminar UT, Austin, February 25, 2014
2013 University of Lausanne Colloquium, Lausanne Switzerland, Oct. 21, 2013.
2013 Statoil RDI seminar, Austin, TX, Oct. 10, 2013.
2013 Chevron "Sand Bar" seminar, Houston, TX, Oct. 8, 2013.
2013 Texas A&M Geology Colloquium and Brown Bag, College Station, TX, Sept. 27.
2013 Austin Geological Society Seminar, Austin, TX, Oct. 7, 2013.
2013 2-Day Short Course on Thermochronometry at China University of Petroleum in Beijing, China, Sept. 19-20, 2013.
2013 ConocoPhilips Basins and Technology Groups seminar, Houston, TX, May 30, 2013.
2013 IEEE Seminar, New Ma'adi, Cairo, Egypt, June 24, 2013.
2013 Presentations (2) at DoE Geothermal Peer Review Meeting, Denver, CO, April 22-24, 2013.
2013 Chesapeake seminar "Detrital Geo- and Thermochronometry", Edmond, OK, April 12, 2013.
2013 University of Oklahoma Geosciences Colloquium, April 11, 2013.
2012 iPGST Seminar
2012 Pyrenees TSG Meeting (keynote), St. Martin d'Arosse, France, Oct. 4, 2012.
2012 Goldschmidt Conference (invited), Montreal, Canada, June 26, 2012.
2013 Presentations (2) at DoE Geothermal Peer Review Meeting, Denver, CO, May 8-9, 2012.
2012 Thermochronometry and Geothermal Resources, SMU, February, 2012.
2011 Modern Approaches to Detrital Thermochronometry, UTIG Seminar, November 2011
2011 New Trends and Applications of High-Resolution Detrital Thermochronometry, ExxonMobil.
2010 New Avenues in Tectonic Thermochronometry, Univ. of Southern California.
2009 (U-Th)/He Thermochronometry and its application to extensional tectonics. University of Lausanne.
2008 New Advances in low- to moderate temperature thermochronometry, University of Iowa.
2008 Thermochronology Short Course, Ecoeptrol-ICP, Bucaramanga, Colombia
2008 New Perspectives and Trends in Thermochronology and Hydrocarbon Exploration, Society of Colombian Petroleum Geologists and the Industrial University of Santander, Bucaramanga.
2008 Thermochronology Short Course, University of Puerto Rico, Mayaguez.
2007 New Departures in Low-Temperature Thermochronology, Geological Society of Austria and University of Vienna, Vienna, Austria.
2007 (U-Th)/He Dating – Beyond Apatite, Geneva University, Geneva, Switzerland.
2007 Tertiary Collisional Tectonics in Iran (Alborz and Zagros) – A Thermchronometric Perspective, ETHZ Zurich Geology, Zurich, Switzerland.
2007 (U-Th)/He Dating of Silicates and Oxides, ETHZ Zurich Isotope Geochemistry, Zurich, Switzerland.

2007 Tertiary Transition from Intra-Arc Extension to Continent-Continent Collision in Iran. Potsdam University, Potsdam, Germany.
2007 (U-Th)/He Dating – Beyond Apatite, Potsdam University, Potsdam, Germany.
2007 (U-Th)/He Thermochronology. University of Lausanne and Swiss Ph.D. course program, Lausanne, Switzerland. Three-Day Short Course
2007 Heidelberg University, Heidelberg, Germany.
2007 Low-Angle Normal Faults – A Thermochronological Perspective. Keynote address, Penrose conference, Naxos, Greece.
2007 Tertiary Transition from Intra-Arc Extension to Continent-Continent Collision in Iran. University of Missouri, Columbia.

Advisors:

M.S. advisors: N. Mancktelow, D. Seward (ETH-Zurich)
Ph.D. advisors; E. Miller, T. Dumitru (Stanford University)
Post-doctoral mentor: K. Farley (Caltech)

Graduate Students and Post-Doctoral Associates Supervised

Juan Pablo Centeno - M.S. (2004, KU). Thesis: "Exhumation of the Torngat Mountains, northern Labrador, Canada".
David Bradley - M.S. (2005, KU). Thesis: "Kinematics and slip rates of the Coaldale Fault, Nevada".
Christopher Tincher - M.S. (2005, KU). Thesis: "Cenozoic Volcanism and Tectonics in the Queen Valley Area, western Nevada".
Terrence Blackburn - M.S. (2006, KU). Thesis: "(U-Th)/He Dating of Xenoliths from Kimberlites and basaltic volcanic fields".
John Lee - M.S. (2007, KU). Thesis: "Thermochronometric constraints on the incision history of the Grand Canyon from borehole and surface samples".
Melissa Wolfe - M.S. (2009, KU). Thesis: "He Diffusion in Rutile and Calibration of Rutile (U-Th)/He Thermochronology on the KTB Ultra-Deep Borehole".
Markella Hoffman - M.S. (2009, KU). Thesis: "Incision and exhumation history of the Colorado Plateau in the Canyonlands to Book Cliffs Region, Utah".
Travis Glauser - M.S. (2009, KU). Thesis: "Thermochronometric investigation of multiple unconformities and post-depositional thermal history of a fault block in the northern Western Desert, Egypt".
Evan Bargnesi – M.S. (2011, KU). Thesis: "Thermochronometric constraints on detrital provenance and source thermal evolution from a supra-detachment basin in Paros, Greece."
Edgardo Pujols – M.S. (2011, KU). Thesis: "Structural evolution and timing of extensional faulting in the central Gulf of Suez, Egypt."
Kyle Gorynski – M.S. (2011, KU). Thesis: "Thermochronometric Constraints on the Longevity of a Geothermal System in an Extensional Tectonic Setting".
Sarah Evans – M.S. (2011, KU). Thesis: "Tectonic evolution of a Tethyan rift marine and ocean-continent transition in the Eastern Alps – An integrated magnetite and zircon (U-Th)/He thermochronometric approach".
Kurt Sundell – M.S. (2011, KU). Thesis: "Thermochronology of the Lunggar active metamorphic core complex, Tibet".
Jordan Leigh Taylor – M.S. (2012, KU). Thesis: "Magnetite (U-Th-[Sm])/He geochronology of Colombia River Basalts".
Joseph Miller – M.S. (2012, KU). Thesis: "Detrital (U-Th)/He and U-Pb dating of the northern Alpine Flysch and Molasse, central Switzerland".
Caleb Rhatigan, – M.S. (2013, UT). Thesis: **"**Thermochronometric investigation of the Paleozoic stratigraphic and thermal evolution of the Western Desert, Egypt".

Eugene Szemanski – Ph.D. (2013, KU). Thesis: “Structural and sedimentological evolution of the Wadi Al-Hamd half-graben, Medina, Kingdom of Saudi Arabia”.

Joshua Burrus – M.S (2013, UT). Thesis: "Integrated footwall and hanging wall tectonics and stratigraphic evolution of the Weepah Metamorphic Core Complex, Nevada."

Chris Hager – Ph.D. (2014, KU). Thesis: “Structural Geology and Neotectonics of the Xianza Rift, Central Tibet”.

Yomayra Roman – M.S. (2014, UPRM). Thesis: “Thermochronometric insights into the tectonic and thermal evolution of Puerto Rico” (co-advised with A. Covise at UPRM)

Tim Shin – M.S. (2014, UT). Thesis: "Contractional and extensional evolution of the Aegean tectono-metamorphic complex in Andros and Tinos islands, Greece."

Tandis Bidgoli – Ph.D. (2014, KU). Thesis: “Temporal and kinematic reconstruction of middle Miocene extension and transition to Mio-Pliocene transtension in the Las Vegas area.” (co-advised with J.D. Walker at KU).

Nicole Hart – M.S. (2014, UT). Thesis: "Coupled bedrock and detrital thermochronometry of a hyper-extended continental margin, Mauleon, Pyrenees."

Alison MacNamee – M.S. (2014, UT). Thesis: "Coupled Thermochronometric and Geochemical Investigation of Blind Geothermal Resources in Fault-Controlled Dilational Corners, Dixie Valley, Nevada."

Micheal Cloos – M.S. (2014, UT). Thesis: “Sedimentary and provenance evolution of the Plio-Pleistocene Colorado River Delta, California” (co-advised with R. Steel)

Nikki Seymour – M.S. (2015, UT). Thesis: “Lower-crustal syn-rift exhumation at a hyper-extended continental margin – a case study in NE Corsica, France”

Daniel Arnost – M.S. (2015, UT). Thesis: "Impact of meteoric fluid flow on the long-term thermal evolution - insights from Alpine tunnels studies."

Cody Colleps – M.S. (2016, UT). Thesis: “Integrated structural and stratigraphic study of the frontal Himalayas in NW India”

Kelly Thomson – M.S. (2016, UT). Thesis: “Detrital U-Pb-He provenance investigation of the Ainsa Basin, Southern Pyrenees”

Mike Prior – Ph.D. (2016, UT). Thesis: "Tectonic and thermal evolution of the Bullfrog Metamorphic Core Complex, Nevada"

Spencer Seman – Ph.D. (2016, UT). Thesis: "Novel geo-and thermochronometric and petrologic insights into the evolution of HP rocks in the central Aegean, Greece"

Renas Mohammed Koshnaw – Ph.D. (2016, UT). Thesis: “The Zagros fold-and-thrust belt and foreland basin of Kurdistan (Iraq)” (co-advised with B. Horton)

Edgardo Josue Pujols – Ph.D. (2017, UT). Thesis: "Reconstruction of the interplay between the Sevier fold-and-thrust belt and the Sevier foreland basin, central Utah"

Emily Cooperdock (Hernandez-Goldstein) – Ph.D. (2017, UT). Thesis: "Development of magnetite (U-Th)/He dating of serpentinites and its application of hyper-extended continental margins"

Steffi Wafforn – Ph.D. (2017, UT). Thesis: “Temporal and thermal evolution of the Grasberg Gold District of West Papua, Indonesia” (co-advised with M. Cloos)

Douglas Barber – Ph.D. (2018, UT). Thesis: “Tectonic and sediment provenance evolution of the NW Zagros in Kurdistan (Iraq) and SE Turkey”.

Patrick Body – M.S. (2017). Thesis: “Thermal evolution of the lower crust during continental rifting and breakup”.

Adam Goldsmith – Ph.D. (2018, UT). Thesis: "Influence of radiation damage on helium diffusion in zircon and its application to detrital thermochronometry"

John Lee – Ph.D. (2018, KU). Thesis: “Cenozoic erosion history and long-term landscape evolution of the central Sierra Nevada, California”. (co-advised with J.D. Walker at KU).

Megan Flansburg – M.S. (2018, UT). Thesis: “Cenozoic tectonic and thermal evolution of Ios Island – transition from subduction to back-arc extension”

Eirini Poulaki– M.S. (2018, UT). Thesis: “Tectonic evolution of the Cycladic Blueschist Unit – Basement contact in Sikinos, Greece”

Margo Odlum – Ph.D. (2019, UT). Thesis: “Thermo-tectonic record of hyperextension, structural inversion, and foreland basin evolution of the eastern and central Pyrenees”

Clara, Brennan – M.S. (2019, UT). Thesis: “In-situ laser ablation and step-heating 4He/3He thermal history recovery”

Alissa Kotowski – Ph.D. (2019, UT). Thesis: “Structural, thermal, and rheological evolution during prograde metamorphism in the subduction channel – a field-oriented study in Syros, Greece” (co-advised with W. Behr)

Kelly Thomson – Ph.D. (2020, UT). Thesis: “Intra-unit variability and mixing of detrital zircon provenance studies in the modern and deep time”

Samuel, Robbins – M.S. (2021, UT). Thesis: “Thermal evolution of the distal and proximal hyperextended Egyptian Red Sea margin”

Cullen Kortyna – Ph.D. (2022, UT). Thesis: “Cenozoic provenance and drainage evolution of the NW Gulf of Mexico and SW Texas” (co-advised with J. Covault)

Zack Baril-Foster – Ph.D., (expected 2022, UT). Thesis: “Insights into tectonic and basin evolution of the US Atlantic rift margin from provenance data”

Megan Flansburg – Ph.D. (2022, UT). Thesis: “Cretaceous to Cenozoic tectonic and thermal evolution of of the Mojave Colorado River extensional corridor, SE California”

Eirini Poulaki– Ph.D. (2022, UT). Thesis: “Tectonic and metamorphic evolution of the Internal Betics, S. Spain”

Emily Hinshaw - M.S. (2022, UT). Thesis: "Tectonic exhumation of the Mount Ossa-Pelion blueschist terrane, north-central Greece"

Catherine Ross – Ph.D. (2022, UT). Thesis: “Differentiation of circum-GOM K-Pg ejecta and tsunami deposits - the days after Chicxulub” (co-advised with S. Gulick)

Patricia Ascanio-Pellon - M.S. (2023, UT). Thesis: "Detrital zircon provenance of Jurassic strata in W Cuba and implications for Caribbean tectonics"

Gabriela Gutierrez – Ph.D. (2023, UT). Thesis: “Variations in source to sink dynamics of the Gulf of Mexico during the Pleistocene and Holocene” (co-advised with J. Covault)

Daniel Ruiz – Ph.D. (2024, UT). Thesis: “The role of Jurassic rift inheritance on shortening in the Mexican Fold and Thrust Belt, Southern and Eastern Mexico”

Ethan Conrad – Ph.D. (2024, UT). Thesis: “” (co-advised with T. Becker).

Sandara Juarez Zuñiga – Ph.D. (expected 2026, UT). Thesis: “Provenance evolution of Carboniferous and Permian siliciclastic deposition during Ancestral Rocky Mountain and Ouachita tectonism in the SW USA and northern Mexico”

Maximilian Ehrenfels – Ph.D. (expected 2026, UT). Thesis: “Laser ablation (U-Th)/He and $^{4}He/^{3}He$ thermochronometry”

Sage Turek – Ph.D. (expected 2027, UT). Thesis: “Subduction underplating and petrochronology of the Cycladic High-Pressure subduction complex in the NW Cyclades (Evia and Andros)”

Leena Abdulqader – M.S. (expected 2026, UT). Thesis: “Dike emplacement and mineralizations during the transition from compression to post-orogenic extension in the northern East African Orogen, Jordan “. Al Masri Fellow

Mitchell Casazza – M.S. (expected 2026). Thesis: “Calcite U-Pb dating of progressive deformation in the Mesozoic Sawtooth fold and Thrust Belt in NW Montana”

Susie Cook – M.S. (expected 2026, UT). Thesis: “Petrochronology of footwall high-strain deformation in the Whipple Mountains Metamorphic Core Complexes, SE California”

Lilly Horne – Ph.D. (expected 2029, UT). Thesis: “The Grenville deformation front in NW Texas” (co-advised with Peter Hennings, BEG)

Starla Toto – Ph.D. (expected 2030, UT). Thesis: “Petrochronology and rrace-element geochemistry of Accessory Phases in subduction-accreted high-pressure rocks”

Christina Bennett – Ph.D. (expected 2029, UT). "Structural and temporal evolution of the Ladakh Arc and Shyok and Indus Sutures" (co-advised with Craig Martin, UT)
Madison Preece - – Ph.D. (expected 2029, UT). "Unraveling the tectonic and geomorphic architecture and kinematic evolution of the High-Himalayan front: Implications for tectonic and climate interplay" (co-advised by Ryan Thigpen, UK)

Stephanie Brichau, Ph.D. – Post-doctoral research associate (2004-2006)
Roman Kislitsyn, Ph.D. – Research associate and laboratory manager (2006-)
Bad'r Ghorbal, Ph.D. – Post-doctoral research associate (2009-2011)
Charles, Verdel, Ph.D. – Post-doctoral research associate (2010-2011)
Junsheng Nie, Ph.D. – Senior Research associate and (2011)
Shangquan Zhang, – Post-doctoral research associate (2010-2011)
Joe Andrew, Ph.D. – Post-doctoral research associate (2009)
Beate Mocek, Ph.D. – Research associate and laboratory manager (2009-2010)
Liz Cassel, Ph.D. – Post-doctoral research associate (2011-2013)
Andy Smye, Ph.D. – Post-doctoral research associate (2011-2015)
Owen Anfinson, Ph.D. – Post-doctoral research associate (2012-2015)
Ryan McKenzie, Ph.D. – Post-doctoral research associate (2013-2014)
Federico Galster, Ph.D. – Post-doctoral research associate (2015-2018)
Rudra Chatterjee, Ph.D. – Post-doctoral research associate (2017- 2021)
Drew Levy, Ph.D., – Post-doctoral research associate (2023-24)
Zach Foster Baril, Ph.D. – Post-doctoral research associate (2023-24)
Megan Miller, Ph.D. – Post-doctoral research associate (2023-24)
Barra Peak, Ph.D. – Post-doctoral research associate (2024-)

External Ph.D. Thesis Committee Member:

B. Guest (UCLA) – External Ph.D. thesis committee member
A. Aramovicz (University of Lausanne, Switzerland) - External Ph.D. thesis committee member
Y. Roman Colon (Univ of Puerto Rico, Mayaguez) – External M.S. thesis committee member
C. von Hagke (Free Univ Berlin/GFZ, Germany) - External Ph.D. thesis committee member
M. Sehrt (Univ of Heidelberg, Germany) - External Ph.D. thesis committee member
J.-L. Antinao (Dalhousie Univ, Canada) - External Ph.D. thesis committee member
E. Kali (University of Strasbourg, France) - External Ph.D. thesis committee member
E. Juarez Arriaga (UNAM Queretaro, Mexico) - External Ph.D. thesis committee member
J. Oesterle (University of Wellington, NZ) - External Ph.D. thesis committee member
T. Sizemore (University of Alabama) – External M.S. thesis committee member
S. Laskari (University of Athens, Greece) – Ph.D. Co-advisor
A. Verdes (UNAM Mexico City, Mexico) – Ph.D. Co-advisor

Undergraduate Student Research/Thesis Supervised:

Terrence Blackburn (2004). Senior Thesis: "Timing and origin of Kansas kimberlites".
Nathan Winters (2004). Senior Thesis: "Basalt geochemistry of the Volcanic Hills area, Esmeralda County, Nevada".
Kelly Wooten (2004). Senior Thesis: "Mesozoic magmatism and deformation in the northern White Mountains, CA and NV".
James Lyons (2004). Senior Thesis: "Petrography and geochronology of lamprolites in Woodsen County, Kansas".
Jack Desmond (2005). Senior Thesis: "Gravity and basin geometry of Queen Valley, California and Nevada".

Mark Hadley (2005). Senior Thesis: “Gravity and basin geometry of Queen Valley, California and Nevada”.

Adam Kueker (2005). Senior Thesis: “Volcanic stratigraphy of Pliocene ash-flow tuffs in northern Fish Lake Valley, Nevada”.

Randy Ackerman (2006). Senior Thesis: “Zircon and titanite (U-Th)/He geochronology of Oligocene ash flow tuffs in northern Fish Lake Valley”

Alec Waggoner (2007). Senior Thesis: “Monazite, xenotime, and allanite (U-Th)/He thermochronometry – a case study from the NQTL core complex, Tibet”

Spencer Seaman (2009). Senior Thesis: “(U-Th)/He dating of conodonts – A case study from in the Northern Calcareous Alps, Austria”.

Josef Miller (2009). Senior Thesis: “Zircon (U-Th)/He dating of impact melts and suevites from the Manson impact, Iowa”.

Adam Goldsmith (2009). Senior Thesis: “(U-Th)/He dating and He diffusion of emerald from the Eastern Cordillera, Colombia”.

Cody Colleps (2013). Senior Thesis: “Zircon U-Pb geochronology of subsurface basement samples from the Western Desert, Egypt”.

Laura Dafov (2016). Senior Thesis: “DZ U-Pb as a monitor of sand generation in response to dams along the Colorado River of Texas”

Dylan Hart (2016). Senior Thesis: “DZ U-Pb record of the Jurassic syn-rift strata in the central Lusitania Basin, Portugal”

Edna Rodriguez (2016). Senior Thesis: “The Devils River Uplift – Rifted piece of Laurantia or slice of Gondwana?”

Samuel Robbins (2017). Senior Thesis: “Zircon U-Pb and He constraints on the Paleozoic and Mesozoic chronostratigraphy of the Gulf of Suez, Egypt”

Thomas Ditges (2019). Senior Thesis: “Provenance evolution of the Pennsylvanian Strawn Group in central Texas”

Patricia Standring (2019). Senior Thesis: “Provenance evolution of the Pennsylvanian Cisco Group in central Texas”

Jenny Le (2025). Senior Thesis: “Dating of zircon inclusions in Libyan impact glass”