Peter G. DeCelles

Curriculum Vitae
Spring, 2025

CONTACT INFORMATION

Address: Department of Geosciences, University of Arizona, Tucson, AZ, 85721
Telephone: (520) 621-6000 email: decelles@arizona.edu

EDUCATION

1980	B.S. in Geology, University of Notre Dame, Notre Dame, IN
1984	Ph.D. and M.S. in Geology, Indiana University, Bloomington, IN
1984-1986	Postdoctoral Scholar, Stanford University, Stanford, CA

PROFESSIONAL EXPERIENCE

2023	Guest Professor, Università di Pavia, Pavia, Italy
1998-present	Professor, Department of Geosciences, University of Arizona, Tucson, AZ
2014-15	Guest Professor, Geological Institute, ETH Zentrum, Zürich, Switzerland
2007-08	Cox Professor, Stanford University
2007 (part)	Guest Professor, Università di Bologna, Bologna, Italy
1993-98	Associate Professor, Department of Geosciences, University of Arizona, Tucson, AZ
1996 (part)	Visiting Professor, Università di Roma (La Sapienza), Rome, Italy
1990-91	NSF-NATO Fellow, Università di Bologna, Bologna, Italy
1992-93	Associate Professor, Department of Geological Sciences, University of Rochester, Rochester, NY
1986-92	Assistant Professor, Department of Geological Sciences, University of Rochester, Rochester, NY
1986	Visiting Professor, Indiana University Geologic Field Station, Cardwell, MT
1984-85	Postdoctoral Scholar, Stanford University, Department of Geology
1984	Summer Research Geologist, Conoco, Inc., Clastics Research Group, Ponca City, Oklahoma
1980-84	Associate Instructor, Indiana University, Department of Geology
1979, 81	Associate Instructor, Indiana University Geologic Field Station, Cardwell, MT
1980	Geologist, U.S. Geological Survey

FIELD EXPERIENCE

Nepal and India, 25 expeditions 1994-present; Tibet, 13 expeditions 2002-present; Bolivia, Argentina, Chile, 16 expeditions, 1997-present; Yukon Territory and Alaska, 2 expeditions 1991-1993; Spain, Corsica, and mainland Italy, numerous field seasons 1990-2005; western U.S.A., numerous field seasons 1980-present.

RESEARCH INTERESTS

- Regional structural evolution of collisional and cordilleran orogenic belts and sedimentary basins, including the Himalayan, Tibetan, Andean, North American Cordilleran, Pamir, and Alpine-Apennine orogenic systems
- Structural geology of fold-thrust belts
- Petrology, provenance (conventional and geochemical), and detrital geo-petro-thermochronology of clastic sediments and sedimentary rocks
- Physical sedimentology and depositional systems in fluvial, alluvial, eolian and marine settings
- Landscape evolution in orogenic highlands

AWARDS and PROFESSIONAL AFFILIATIONS

Gallagher Lecturer, University of Calgary (2019)
Francis J. Pettijohn Medal, Society for Sedimentary Geology-SEPM (2018)
American Geophysical Union Fellow (2017)
Geosciences Alumni Board Outstanding Faculty Award, University of Arizona (2017)
Galileo Circle Fellow, University of Arizona (2009)
Laurence L. Sloss Award, Geological Society of America (2008)
Cox Professorship, Stanford University (2007)
Emmons Lecturer, Colorado Scientific Society (2006)
Most Cited Paper Award, Earth & Planetary Science Letters (2004-2007)
Geological Society of America (Fellow)
The Explorers Club (National Fellow, 2005)
American Alpine Club (Member)

PROFESSIONAL SERVICES AND ACTIVITIES

2023	*JGR—Solid Earth* Editor in Chief Search Committee (AGU)
	University of Pavia International Winter School: Basins associated with collisions
	Co-leader of field excursion through Italian and Swiss Alps
2023	Keynote speaker, Cordilleran Section of GSA, Reno
2021	The Explorers Club, SW Chapter Connect lecture
2020	University of Pavia International Winter School: Thermal history of basin-source systems: techniques, modelling and applications
2018-present	Associate Editor, *Journal of Geophysical Research—Solid Earth*
2018-present	Advisory Board, Department of Earth and Atmospheric Sciences, Indiana University, Bloomington
2015	Short courses on Thrust Belts and Foreland Basins, Geological Institute, ETH and University of Roma-Tre
2015	Co-leader of field excursion through Italian Alps, Apennines, and Corsica, ETH
2015-16	GSA International Committee, Chair
2014-18	GSA Penrose Conference and Thompson Field Forum Committee
2013	Field Trip leader for trans-Andean excursion, Univ. Arizona and ExxonMobil
2011	Theme Session Co-Chair at 2011 AGU National Meeting in San Francisco
	Session title: Linkages among orogenic processes in Cordilleran systems
	GSA SG&T Career Contribution Award Committee Chair
2010	Keynote lecture, Himalaya-Karakoram-Tibet Meeting, San Francisco
	GSA SG&T Career Contribution Award Committee member

	GSA Sloss Award Committee Chair
2006-12	Field Trip leader and short-course instructor for ExxonMobil
2007	Guest Lecturer, Platinum Jubilee, Indian Institute of Statistics, Kolkata
2005	Field Trip leader for Devon Energy in Sevier thrust belt
2004	Field Trip leader for ExxonMobil in Sevier thrust belt
2003	Field Trip leader for ExxonMobil and Midland Valley in Sevier thrust belt Short course on tectonics of sedimentary basins, ExxonMobil
2002-05	Panel member, Continental Dynamics Program, National Science Foundation
2001-07	Editor, *Basin Research*
2001-03	Editor, *Journal of the Nepal Geological Society*
1998	Co-leader of geological field trip for AAPG National Meeting, Salt Lake City: Coupled structure and sedimentation through 100 m.y. of thrust wedge evolution, Sevier thrust belt, northern Utah, western Wyoming and SE Idaho
1997	Co-leader of geological field trip for GSA National Meeting, Salt Lake City: Hinterland to foreland transect through the Sevier orogen, northeast Nevada to north central Utah: Structural style, metamorphism, and kinematic history of a large contractional orogenic wedge
1997-00	Editorial Board, *Basin Research*
1997	Theme Session Co-Chair (with P. Hennings, Mobil) at 1997 AAPG National Meeting in Dallas: Coupled tectonics and sedimentation.
1995-04	Editorial Board, *Geology*
1993-03	Associate Editor, *Geological Society of America Bulletin*
1995	Leader of geological field trip for AEC and Norcen Energy Resources, Ltd., Calgary: Kinematic history and synorogenic sedimentation, Sevier thrust belt, Utah and Wyoming.
1993	Leader of geological field trip for Norcen Energy Resources, Ltd., Calgary. Trip title: Paleocene synorogenic alluvial fan deposits of the Beartooth Range, Montana
1992	Special Symposium Co-Chair (with T. F. Lawton) at 1992 SEPM Theme Meeting on the Western Interior Cretaceous Basin: Recent Advances in Interpretation of Thrust-Generated Clastics GSA Rocky Mountain Section field trip Co-Leader (with W. A. Yonkee and J. P. Evans): Tectonics of the northern Wasatch Range
1991	Keynote Speaker, GSA Penrose Conference on Development and Evolution of Foreland Basins, Can Boix, Spain: Structural controls on foreland basins
1986-present	Reviewer of numerous proposals submitted to U.S. National Science Foundation, Swiss National Science Foundation, Italian CNR, American Chemical Society, National Geographic, NCERC (Canada)
1986-present	Reviewer of numerous manuscripts for publication in Science, Nature, Nature Geoscience, Tectonics, Journal of Sedimentary Research, Geological Society of America Bulletin and Memoirs, Geological Magazine, Sedimentology, Geology, Journal of Geology, Journal of Structural Geology, Sedimentary Geology, Basin Research, Paleo-cubed, G-cubed, and various books and special publications.
1989	Leader of geological field trip for ARCO Research Lab: Middle Cenozoic sequence stratigraphy of the San Emigdio Range, California
1987	Symposium Co-Chair (with T. F. Lawton) at 1987 Annual GSA, Phoenix, AZ

1986	Leader of SEPM Pacific Section Field Trip: Middle Cenozoic depositional systems of the San Emigdio Range, southern California
1985	Leader of geological field trips for Sohio and Tenneco: Cenozoic siliciclastic deposystems and volcanism in the San Emigdio Range, southern California

SPEAKING ENGAGEMENTS WITHOUT PUBLISHED ABSTRACTS

2025	Doerr School of Sustainability, Stanford University
	Jackson School of Geosciences, University of Texas, Austin
2024	Geological Society of India, Bangalore (remote lecture)
	Department of Geosciences, University of Arizona
2023	Department of Earth, Atmospheric, and Planetary Sciences, MIT
	Department of Earth, Planetary, and Space Sciences, UCLA
	Dipartmento di scienze dell'ambiente e di scienze della terra, Universitá di Milano-Bicocca, Italy
	Department of Earth and Environmental Sciences, Università di Pavia, Italy
2022	Department of Geology, University of Illinois Urbana-Champaign
2021	The Explorers Club, SW Chapter Connect
2020	Department of Earth and Environmental Sciences, Università di Pavia, Italy
2019	Department of Geosciences, University of Nevada-Las Vegas
	Gallagher Lecture, Department of Geoscience, University of Calgary
	Crough Fellowship Lecture, Department of EAPS, Purdue University
	Petrobras, Rio de Janeiro, Brazil
2018	Institute for Tibetan Plateau Research, Chinese Academy of Sciences, Beijing
2016	Department of Geosciences, University of Texas-Dallas
	Department of Earth & Enviornmental Sciences, University of Texas-Arlington
	Department of Earth Science, University of Toronto
2015	Dipartmento di Scienze della Terra, Università di Roma-Tre, Italy
	Institut des Sciences de la Terre, Université Joseph Fourier, Grenoble France
2014	Department of Geology & Geophysics, University of Bucharest, Romania
	Dipartmento di scienze dell'ambiente e di scienze della terra, Universitá di Milano-Bicocca, Italy
	Geological Institute, ETH, Zürich Switzerland
	TopoEuro Workshop, Barcelona Spain
2013	Department of Geology, Northern Arizona University
	Explorers Club, Southwest Chapter
	Department of Geosciences, Miami University
2012	U.S. Geological Survey, Denver
	Department of Geoscience, Colorado University, Boulder
2011	Department of Geology & Geophysics, Rice University
	ExxonMobil Upstream Research Corporation
2009	Department of Geology & Geophysics, University of Wyoming
	ExxonMobil Senior Technical Personnel Workshop on Fold-Thrust Belts, Calgary
2008	Indian Statistical Institute, Kolkata (3 lectures)
	Department of Geology and Environmental Sciences, Stanford University (7 lectures)
	Department of Geological Sciences, University of California, Santa Cruz

2007	Department of Geological Sciences, University of Michigan
	Research Institute for Petroleum Exploration and Development, Beijing, China
	Institute for Tibetan Plateau Research, Chinese Academy of Sciences, Beijing
	Department of Geological and Environmental Sciences, Università di Bologna
	Department of Geology, Università di Milano-Bicocca
2006	Arizona Geological Society
	Colorado Scientific Society, Emmons Lecture
	Department of Geological Sciences, University of Kansas
2004	Department of Geology & Geophysics, University of Wisconsin
	University of Potsdam, Germany (two lectures)
2003	Department of Geological Sciences, Indiana University
	ExxonMobil Exploration Company, Houston
	Department of Geological Sciences, New Mexico State University
	Department of Earth & Planetary Sciences, University of New Mexico
2002	Department of Geological Sciences, Arizona State University
	Institute of Geology, Chinese Academy of Sciences, Beijing
	Department of Geological Sciences, University of Kentucky
2000	Department of Geology, Dennison University
	Department of Geology, Northern Arizona University
	Department of Geology, Tribhuvan University, Kathmandu Nepal
	Geological Institute, ETH, Zürich
	Department of Geology and Geophysics, University of Wyoming
	Department of Earth & Space Sciences, UCLA
1999	Department of Geological Sciences, Indiana University
1998	Department of Earth & Environmental Sciences, Stanford University
	Department of Geological Sciences, University of Houston
	Department of Geological Sciences, University of Oregon
	Guest participant in Chevron Overseas Petroleum Thrust Belts short course
1997	Department of Geology & Geophysics, University of Oklahoma
1996	Department of Earth & Space Sciences, UCLA
	Department of Geology, Northern Arizona University
	Department of Geological Sciences, Università di Roma-La Sapienza (2)
1993	Department of Earth Sciences, New Mexico State University
1992	Department of Geology, McMaster University
	Department of Geosciences, University of Arizona
1991	Department of Geological Sciences, Northwestern University
	Department of Mineralogical Science, Università di Bologna (2)
	Keynote Speaker, GSA Penrose Conference, Can Boix, Spain.
1990	Department of Geology & Institute for Meteoritics, University of New Mexico
1989	Department of Geological Sciences, Lehigh University
	Department of Geological Sciences, Cornell University
	ARCO Research Lab, Plano
1986	Department of Geology, Stanford University
1985	Department of Geological Sciences, University of Rochester
	Department of Geological Sciences, Mackey School of Mines University of Nevada-Reno

Department of Geology, Stanford University
Conoco, Inc., Research Lab, Ponca City

PUBLICATIONS

Articles published in peer-reviewed journals and special publications
† = student or postdoc supervised by PGD

201. George, S.W.M., Gehrels, G.E., DeCelles, P.G., Sherpa, T.Z.L.†, Bedle, H., 2025, Climatically modulated growth and erosion of the Nepalese Himalaya from detrital petrochronology of the Siwalik Group: Geological Society of America Bulletin, in review.
200. Howlett, C.J., Ronemus, C.B.†, Carrapa, B., DeCelles, P.G., 2025, Miocene construction of the High Andes recorded by exhumation of the Frontal Cordillera, La Ramada Massif of western Argentina (31°S): Tectonics, TECT22137.
199. George, S.W.M., Carrapa, B., DeCelles, P.G., Jepson, G.M., Nadoya, H., Tabor, C., Howlett, C.J., Ronemus, C.B.†, Clementz, M.T., Schoenbohm L., 2025, Increased moisture availability in the Central Andes during the Miocene Climatic Optimum: Palaeogeography, Palaeoclimatology, Palaeoecology 663 (2025) 112732.
198. Hayes, R.†, DeCelles, P.G., Amadori, C., 2025, Sedimentological and Paleoslope Reconstruction of the Late Triassic Chinle Formation, Western U.S.A.: Constraints on Models for Dynamic Subsidence: Geological Society of America Bulletin. https://doi.org/10.1130/B37816.1
197. Jepson, G., Carrapa, B., Afonso, W., Reeher, L.J., DeCelles, P.G., Howlett, C.J., Caylor, E., Sherpa, T.Z.L.†, Wang, J.W., Constenius, K.N., 2025, Regional exhumation of the Laramide: Geological Society of America Bulletin, accepted, https://doi.org/10.1130/B37625.1.
196. Sherpa, T.Z.L.†, DeCelles, P.G., Gehrels, G.E., Pokhrel, C., 2024, Tectonic evolution of the Himalayan fold-thrust belt in the Okhaldhunga region, eastern Nepal: Tectonics, v. 43, e2024TC008457. https://doi.org/10.1029/2024TC008457
195. Carrapa, B., Jepson, G., DeCelles, P.G., George, S.W.M., Ducea, M., Campbell, C., Dawson (née Canavan), R.R., 2024, Crustal bobbing in response to lithospheric foundering recorded by detrital proxy records from the Central Andean Plateau: Geology, doi.org/10.1130/G52455.1.
194. Caylor, E., Carrapa, B., DeCelles, P.G., Gehrels, G.E., 2024, The Real McCoy: A record of deep-water basin deposition in southwestern North America during the Cretaceous: Basin Research, v. 36, issue 5, e12902. https://doi.org/10.1111/bre.12902.
193. Li, L., DeCelles, P., Kapp, P., Garzione, C., Quade, J., Yanay, N., 2024, Constraining carbonate diagenesis using clumped isotope temperatures and U-Pb dating: A case study and implications for paleoelevation interpretations in western central Tibet, *Geochimica et Cosmochimica Acta*. https://doi.org/10.1016/j.gca.2024.04.007
192. Li, L., Quade, J., Garzione, C., Defliese, W.F., DeCelles, P., Kapp, P., 2024, Reliability of micritic carbonates in recording well-preserved isotopic composition and implications for paleoelevation estimates in central Tibet, Geochimica et Cosmochimica Acta. https://doi.org/10.1016/j.gca.2024.04.009
191. Ronemus, C.B.†, Howlett, C.J., DeCelles, P.G., Carrapa, B., and George, S.W.M., 2024, The Manantiales basin, Southern Central Andes (~32S), preserves a record of late Eocene-Miocene episodic growth of an east-vergent orogenic wedge: Tectonics, 2023TC008100R. https://doi.org/10.1029/2023TC008100
190. Ferroni, F.R.†, DeCelles, P.G., and Oller Veramendi, J., 2024, Neogene to modern foreland basin development in the Sub-Andean zone of southern Bolivia and northern Argentina, 21°-23°S: Geological Society of America Bulletin, v. 136, p. 4263–4284.

.

189. Howlett, C., Jepson, G., Carrapa, B., DeCelles, P.G., and Constenius, K., 2023, Late Cretaceous exhumation of the Little Belt Mountains and regional development of the Helena salient, west-central Montana, USA: Geological Society of America Bulletin. doi.org/10.1130/B37081.1
188. Caylor, E., Carrapa, B., Jepson, G., Lama Sherpa, T.†, DeCelles, P.G., 2023, The rise and fall of Laramide topography and the sediment evacuation from Wyoming: Geophysical Research Letters, 50, e2023GL103218. doi.org/10.1029/2023GL103218
187. DeCelles, P.G., and Carrapa, B., 2023, Differences Between the Central Andean and Himalayan Orogenic Wedges: A Matter of Climate: Earth and Planetary Science Letters, v. 616, 118216. doi.org/10.1016/j.epsl.2023.118216
186. Henriquez, S.†, DeCelles, P.G., Carrapa, B., and Hughes, A.N., 2023, Kinematic evolution of the central Andean retroarc thrust belt in northwestern Argentina and implications for coupling between shortening and crustal thickening: Geological Society of America Bulletin, 135, 81-103. doi.org/10.1130/B36231.1
185. Sherpa, T.Z.L.†, DeCelles, P.G., Carrapa, B., Schoenbohm, L.M., and Wolpert, J., 2023, Bhumichula plateau: a remnant high-elevation low-relief surface in the Himalayan thrust belt of western Nepal: Geological Society of America Bulletin, v. 135, p. 2121-2140. doi.org/10.1130/B36481.1
184. Davis, G.E., Reeher, L.J., Jepson, G., Carrapa, B., DeCelles, P.G., and Chaudoir, K., 2022, Structure and thermochronology of basement/cover relations along the Defiance uplift (AZ and NM), and implications regarding Laramide tectonic evolution of the Colorado Plateau: American Journal of Science, v. 322 , p. 1047-1087.
183. Hayes, R.G.†, and DeCelles, P.G., 2022, Reconstructing paleosinuosity and sedimentary mass-balance in the Upper Triassic Shinarump paleoriver in Utah and Arizona: Journal of Sedimentary Research, v. 92, p. 1207-1232. doi.org/10.2110/jsr.2021.122
182. Carrapa, B., DeCelles, P.G., Jepson, G., Ducea, M.N., Balgord, E., Stevens Goddard, A., 2022, Estimates of paleo-crustal thickness at Cerro Aconcagua (Southern Central Andes) from detrital proxy-records: implications for models of continental arc evolution: Earth and Planetary Science Letters, v. 585, 117526.
181. Dunham, A.M., Kiser, E., Kargel, J.S., Haritashya, U.K., Watson, C.S., Shugar, D.H., Hughes, A., and DeCelles, P.G., 2022, Topographic control on ground motions and landslides from the 2015 Gorkha earthquake. Geophysical Research Letters, 49, e2022GL098582.
180. Jepson, G., Carrapa, B., Gillespie, J., Feng, R., DeCelles, P.G., Kapp, P., Tabor, C.R., and Zhu, J., 2021, Climate as the Great Equalizer of Continental-Scale Erosion: Geophysical Research Letters, v. 48, Issue 20, e2021GL095008. doi.org/10.1029/2021GL095008
179. Wang, H., Currie, C., and DeCelles, P.G., 2021, Coupling between lithosphere removal and mantle flow in the central Andes: Geophysical Research Letters, 48, e2021GL095075. doi.org/10.1029/2021GL095075
178. Chapman, J.B.†, and DeCelles, P.G., 2021, Beveling the Colorado Plateau: early Mesozoic rift-related flexure explains anomalous deposition and erosion in the southern Cordilleran foreland basin: Tectonics, v. 40. doi.org/10.1029/2020TC006517
177. DeCelles, P. G., and Carrapa, B., 2021, Coupled rapid erosion and foreland sedimentation control orogenic wedge kinematics in the Himalayan thrust belt of central Nepal: Journal of Geophysical Research--Solid Earth, 126, e2020JB021256. doi.org/10.1029/2020JB021256
176. Caylor, E.A., Carrapa, B., Sundell, K., DeCelles, P.G., and Smith, J., 2021, Age and deposition of the Fort Crittenden Formation: A window into Late Cretaceous Laramide and Cenozoic tectonics in southeastern Arizona: Geological Society of America Bulletin. https://doi.org/10.1130/B35808.1

175. Haque, Z., Geissman, J., DeCelles, P.G., and Carrapa, B., 2021, A magnetostratigraphic age constraint for the proximal synorogenic conglomerates of the Late Cretaceous Cordilleran foreland basin, northeast Utah, USA: Geological Society of America Bulletin, v. 133, p. 1795-1814. doi.org/10.1130/B35768.1
174. Henriquez, S.†, DeCelles, P.G., Carrapa, B., Hughes, A., Davis, G., 2020, Deformation history of the Puna plateau, Central Andes of northwestern Argentina: Journal of Structural Geology, v.140. doi.org/10.1016/j.jsg.2020.104133
173. Meek, S.R., Carrapa, B., and DeCelles, P.G., 2020, Recognizing Allogenic Controls on the Stratigraphic Architecture of Ancient Alluvial Fans in the Western U.S.: Frontiers in Earth Science, v. 8, p. 215.
172. Wang, X., Carrapa, B., Sun, Y., Dettman, D.L., Chapman, J.B., Caves Rugenstein, J., Clementz, M.T., DeCelles, P.G., Wang, M., Chen, J., Quade, J., Wang, F., Li, Z., Oimuhammadzoda, I., Gadoev, M., Lormann, G., Zhang, X., Chen, F., 2020, The role of the westerlies and orography in Asian hydroclimate since the late Oligocene: Geology, v. 48. doi.org/10.1130/G47400.1
171. Quade, J., Leary, R., Dettinger, M.P., Orme, D., Krupa, A., DeCelles, P.G., Kano, A., Kato, H., Waldrip, R. Huang, W., and Kapp, P., 2020, Resetting southern Tibet: the serious challenge of obtaining primary records of paleoaltimetry: Global and Planetary Change, v. 191, 103194.
170. DeCelles, P.G., Carrapa, B., Ojha, T.P., Gehrels, G.E., and Collins, D., 2020, Structural and thermal evolution of the Himalayan thrust belt in midwestern Nepal: Geological Society of America Special Paper 547, 77 p., map insert.
169. Buceta, R., Schoenbohm, L.M., and DeCelles, P.G., 2020, Glacial and Fluvial Erosion in the Dolpo Basin, Western Nepal: Geomorphology, v. 354, p. 1-10. doi.org/10.1016/j.geomorph.2020.107033
168. Wang, X., Carrapa, B., Chapman, J.B., Henriquez, S., Wang, M., DeCelles, P.G., Li, Z., Wang, F., Oimahmadov, I., Gadoev, M., and Chen, F., 2019, Paratethys last gasp in central Asia and late Oligocene accelerated uplift of the Pamirs: Geophysical Research Letters, v. 46, p.11,773-11,781. doi:10.1029/2019GL084838
167. Stickroth, S.F.†, Carrapa, B., DeCelles, P.G., Gehrels, G.E., and Thomson, S.N., 2019, Tracking the growth of the Himalayan fold-and-thrust belt from lower Miocene foreland basin strata: Dumri Formation, western Nepal: Tectonics, v. 38, p. 3765–3793. https:// doi.org/10.1029/2018TC005390.
166. Chapman, J.B.†, Carrapa, B., DeCelles, P.G., Worthington, J., Mancin, N., Stoica, M., Wang, X., Gadoev, M., and Oimahmadov, I., 2019, The Tajik Basin: a composite record of sedimentary basin evolution in response to tectonics in the Pamir: Basin Research, 2019;00:1-21. doi.org/10.1111/bre.12381
165. Kapp, P., and DeCelles, P.G., 2019, Mesozoic-Cenozoic geological evolution of the Himalayan-Tibetan orogen and working tectonic hypotheses: American Journal of Science, v. 319, p. 159-254.
164. Carrapa, B., DeCelles, P.G., and Romero, M., 2019, Early inception of the Laramide orogeny in southwestern Montana and northern Wyoming: implications for models of flat-slab subduction: Journal of Geophysical Research-Solid Earth, 124, 2102-2123. doi.org/10.1029/2018JB016888
163. Kortyna, C.†, DeCelles, P.G., and Carrapa, B., 2019, Structural and thermochronologic constraints on kinematics, timing and shortening during inversion of the Salta Rift in the Tonco-Amblayo sector of the Andean retroarc fold-thrust belt, northwestern Argentina, in Horton, B.K., and Folguera, A., eds., Andean Tectonics, Elsevier, p. 429-464. doi.org/10.1016/B978-0-12-816009-1.00018-6
162. Henriquez, S.†, DeCelles, P.G., and Carrapa, B., 2018, Cretaceous to middle Cenozoic exhumation history of the Cordillera de Domeyko and Salar de Atacama basin, northern Chile: Tectonics, v. 38, p. 395-416. doi.org/10.1029/2018TC005203
161. He, J., Kapp, P., Chapman, J.B.†, DeCelles, P.G., and Carrapa, B., 2018, Structural setting and detrital zircon U-Pb geochronology of Triassic—Cenozoic strata in the eastern Central Pamir,

Tajikistan: in Treloar, P., ed., Himalayan Tectonics: A Modern Synthesis: Geological Society, London, Special Publications, 483. doi.org/10.1144/SP483.11

160. DeCelles, P.G., Leary, R.J.†, and Kapp, P., 2018, Cenozoic basin evolution in the Indus-Yarlung suture zone and High Himalaya, in Ingersoll, R.V., Lawton, T.F., and Graham, S.A., eds., Tectonics, Sedimentary Basins, and Provenance: A Celebration of William R. Dickinson's Career: Geological Society of America Special Paper 540, p. 707-739. doi.org/10.1130/2018.2540(30)
159. Chapman, J.B.†, Robinson, A.C., Carrapa, B., Villarreal, D., Worthington, J., DeCelles, P.G., Kapp, P., Gadoev, M., Oimahmadov, I., and Gehrels, G., 2018, Cretaceous shortening and exhumation history of the South Pamir terrane: Lithosphere, v. 10, p. 494-511.
158. McFarland, P.K., Bennett, R.A., Alvarado, P.M., and DeCelles, P.G., 2017, Rapid geodetic shortening across the Eastern Cordillera of NW Argentina observed by the Puna-Andes GPS Array: Journal of Geophysical Research, Solid Earth, v. 122, p. 8600-8623.
157. Chapman, J.B.†, Carrapa, B., Ballato, C., DeCelles, P.G., Worthington, J., Oimahmadov, I., Gadoev, M., and Ketcham, R., 2017, Intracontinental subduction beneath the Pamir Mountains: Constraints from thermokinematic modeling of shortening in the Tajik fold-and-thrust belt: Geological Society of America Bulletin, v. 129, p. 1450-1471. doi.org/10.1130/B31730.1
156. Chapman, J.B.†, Ducea, M.N., Kapp, P., Gehrels, G.E., DeCelles, P.G., 2017, Spatial and temporal radiogenic isotopic trends of magmatism in Cordilleran orogens: Gondwana Research, v. 48, p. 189-204. doi.org/10.1016/j.gr.2017.04.019
155. Carrapa, B., Hassim, M.F., Kapp, P.A., DeCelles, P.G., and Gehrels, G.E., 2017, Tectonic and erosional history of southern Tibet recorded by detrital chronological signatures along the Yarlung River drainage: Geological Society of American Bulletin, v. 129, p. 570-581. doi: 10.1130/B31587.1
154. Leary, R.J.†, Quade, J., DeCelles, P.G., and Reynolds, A., 2017, Evidence from paleosols for low to moderate elevation of the India-Asia suture zone during mid-Cenozoic time: Geology, v. 45, p. 399-402.
153. DeCelles, P.G., 2017, Periodic Activity in Continental Magmatic Arcs, Highlights & Breakthroughs: American Mineralogist, v. 102, p. 1-2. doi.org/10.2138/am-2016-5908
152. DeCelles, P.G., Carrapa, B., Gehrels, G.E., Chakraborty, T., and Ghosh, P., 2016, Along-Strike Continuity of Structure, Stratigraphy, and Kinematic History in the Himalayan thrust belt: The View from Northeastern India: Tectonics, 35, 2995–3027. doi:10.1002/2016TC004298
151. Di Vincenzo, G., Grande, A., Prosser, G., Cavazza, W., and DeCelles, P.G., 2016, ^{40}Ar–^{39}Ar laser dating of ductile shear zones from central Corsica (France): evidence of Alpine (middle to late Eocene) syn-burial shearing in Variscan granitoids: Lithosphere, v. 262, p. 369-383.
150. DeCelles, P.G., Castañeda, I.S., Carrapa, B., Liu, J., Quade, J., Leary, R.J., and Zhang, L., 2016, Oligocene-Miocene Great Lakes in the India-Asia Collision Zone: Basin Research, v. 30 (S1), p. 228-247. doi.org/10.1111/bre.12217
149. Carrapa, B., Robert, X., DeCelles, P.G., Orme, D.A., Thomson, S., and Schoenbohm, L.M., 2016, Asymmetric exhumation of the Mount Everest region: Implications for the tectono-topographic evolution of the Himalaya: Geology, v. 44, p. 611-614. doi:10.1130/G37756.1
148. Leary, R.J.†, DeCelles, P.G., Quade, J., Gehrels, G.E., and Waanders, G., 2016, The Liuqu Conglomerate, southern Tibet: early Miocene basin development related to deformation within the Great Counter Thrust system: Lithosphere, v. 8, p. 427-450.
147. Leary, R.J.†, Orme, D.A., Laskowski, A., Peter G. DeCelles, Paul Kapp, Barbara Carrapa, B., and Dettinger, M., 2016, Along-strike diachroneity in deposition of the Kailas Formation in central southern Tibet: Implications for Indian slab dynamics: Geosphere, v. 12, p. 1198-1223.
146. Wang, X., Kraatz, B., Meng, J., Carrapa, B., DeCelles, P., Clementz, M., Abdulov, S., Chen, F.H., 2016, Central Asian aridification during the late Eocene to early Miocene inferred from preliminary

study of shallow marine-eolian sedimentary rocks from northeastern Tajik Basin: Science China Earth Sciences, v. 59, p. 1242-1257. doi:10.1007/s11430-016-5282-z

145. Profeta, L., Ducea, M.N., Chapman, J.B.†, Paterson, S.R., Gonzales, S.M.H., Kirsch, M., Petrescu, L., and DeCelles, P.G., 2015, Quantifying crustal thickness over time in magmatic arcs: Scientific Reports, 5:17786. doi:10.1038/srep17786
144. Chapman, J.B.†, Ducea, M.N., DeCelles, P.G., Profeta, L., 2015, Tracking changes in crustal thickness during orogenic evolution with Sr/Y: an example from the North American Cordillera: Geology, v. 43, p. 919-923. doi:10.1130/G36996.1
143. Chapman, J.B.†, and DeCelles, P.G., 2015, Foreland basin stratigraphic control on thrust belt evolution: Geology, v. 43, p. 579-582.
142. Carrapa, B., DeCelles, Wang, X., Clementz, M.T., Mancin, N., Stoica, M., Kraatz, B., Meng, J., Abdulov, S., Chen, F., 2015, Tectono-climatic implications of Eocene Paratethys regression in the Tajik basin of central Asia: Earth and Planetary Science Letters, v. 424, p. 168-178.
141. DeCelles, P.G., and Graham, S.A., 2015, Cyclical Processes in the North American Cordilleran Orogenic System: Geology, v. 43, p. 499-502.
140. Ducea, M.N., Paterson, S.R., DeCelles, P.G., 2015, High Volume Magmatic Events in Subduction Systems: Elements, v. 11, p. 99-104.
139. Safipour, R.†, Carrapa, B., DeCelles, P.G., Thomson, S., 2015, Exhumation of the Principal Cordillera and northern Sierras Pampeanas and along-strike correlation of the Andean orogenic front, northwestern Argentina, in DeCelles, P.G., Ducea, M.N., Carrapa, B., and Kapp, P., eds., Geodynamics of a Cordilleran Orogenic System: The Central Andes of Argentina and Northern Chile, Geological Society of American Memoir 212. doi:10.1130/2015.1212(10)
138. DeCelles, P.G., Zandt, G., Beck, S.L., Currie, C.A., Ducea, M.N., Kapp, P., Gehrels, G.E., Carrapa, B., Quade, J., and Schoenbohm, L.M., 2015, Cyclical orogenic processes in the Cenozoic central Andes, *in* DeCelles, P.G., Ducea, M.N., Carrapa, B., and Kapp, P.A., eds., Geodynamics of a Cordilleran Orogenic System: The Central Andes of Argentina and Northern Chile: Geological Society of America Memoir 212, p. 459–490. doi:10.1130/2015.1212(22)
137. DeCelles, P.G., Carrapa, B., Horton, B.K., McNabb, J.†, Gehrels, G.E., and Boyd, J., 2015, The Miocene Arizaro Basin, central Andean hinterland: Response to partial lithosphere removal? *in* DeCelles, P.G., Ducea, M.N., Carrapa, B., and Kapp, P.A., eds., Geodynamics of a Cordilleran Orogenic System: The Central Andes of Argentina and Northern Chile: Geological Society of America Memoir 212, P. 359-386. doi:10.1130/2015.1212(18)
136. Carrapa, B., and DeCelles, P.G., 2015, Regional exhumation and kinematic history of the central Andes in response to cyclical orogenic processes, in DeCelles, P.G., Ducea, M.N., Carrapa, B., and Kapp, P., eds., Geodynamics of a Cordilleran Orogenic System: The Central Andes of Argentina and Northern Chile, Geological Society of American Memoir 212, p. 210-213. doi:10.1130/2015.1212(11)
135. Wang, H., Currie, C.A., and DeCelles, P.G., 2015, Hinterland basin formation and gravitational instabilities in the central Andes: Constraints from gravity data and geodynamic models, *in* DeCelles, P.G., Ducea, M.N., Carrapa, B., and Kapp, P.A., eds., Geodynamics of a Cordilleran Orogenic System: The Central Andes of Argentina and Northern Chile: Geological Society of America Memoir 212, p. 387–406. doi:10.1130/2015.1212(19)
134. Currie, C.A., Ducea, M.N., DeCelles, P.G., and Beaumont, C., 2015, Geodynamic models of Cordilleran orogens: Gravitational instability of magmatic arc roots, *in* DeCelles, P.G., Ducea, M.N., Carrapa, B., and Kapp, P.A., eds., Geodynamics of a Cordilleran Orogenic System: The Central Andes of Argentina and Northern Chile: Geological Society of America Memoir 212, p. 1–22. doi:10.1130/2015.1212(01)

133. Einhorn, J.C., Gehrels, G.E., Vernon, A., DeCelles, P.G., 2015, U-Pb Zircon Geochronology of Neoproterozoic-Paleozoic Sandstones and Paleozoic Plutonic Rocks in the Central Andes (21°-26° S), in DeCelles, P.G., Ducea, M.N., Carrapa, B., and Kapp, P., eds., Geodynamics of a Cordilleran Orogenic System: The Central Andes of Argentina and Northern Chile, Geological Society of American Memoir 212, P. 115-124. doi:10.1130/2015.1212(06)
132. Quade, J., Dettinger, M.P., Carrapa, B., DeCelles, P.G., Murray, K.E., Huntington, K.A., Cartwright, A., Canavan, R., Gehrels, G.E., and Clemenz, M., 2015, The growth of the central Andes, 22-26°S, in DeCelles, P.G., Ducea, M.N., Carrapa, B., and Kapp, P., eds., Geodynamics of a Cordilleran Orogenic System: The Central Andes of Argentina and Northern Chile, Geological Society of American Memoir 212, P. 277-308. doi:10.1130/2015.1212(15).
131. Guenthner, W., Reiners, P., DeCelles, P.G., 2015, Sevier-belt exhumation in central Utah constrained from complex zircon (U-Th)/He datasets: Radiation damage and He inheritance effects on partially reset detrital zircons: Geological Society of America Bulletin, v. 127, p. 232-348.
130. Robinson, D. and DeCelles, P.G., 2014, Finding the Lesser Himalayan Duplex in the Himalayan Thrust Belt of Far Western Nepal amidst Forests, Villages, Farming and Leeches: in Montomoli, C., Carosi, R., Law, R., Singh, S., and Rai, S.M., *Geological field trips in the Himalaya, Karakoram and Tibet*, Journal of the Virtual Explorer, Electronic Edition, ISSN 1441-8142, volume 47, paper 2.
129. Leary, R.†, DeCelles, P.G., Gehrels, G.E., and Morriss, M., 2014, Fluvial Deposition During the Transition from Flexural to Dynamic Subsidence in the Cordilleran Foreland Basin: Ericson Formation, Western Wyoming: Basin Research, p. 1-22. doi: 10.1111/bre.12085.
128. Carrapa, B., Mustapha, F.S., Cosca, M., Gehrels, G.E., Schoenbohm, L.M., Sobel, E.R., DeCelles, P.G., Russell, J., Goodman, P., 2014, Multisystem dating of modern river detritus from Tajikistan and China: Implications for crustal evolution and exhumation of the Pamir: Lithosphere, v. 6, p. 443-455.
127. Painter, C., Carrapa, B., DeCelles, P.G., Gehrels, G.E., Thomson, S.N., 2014. Exhumation of the North American Cordillera revealed by multi dating of Upper Jurassic-Upper Cretaceous foreland basin deposits: Geological Society of America Bulletin 126 p. 1439-1464.
126. DeCelles, P.G., Kapp, P., Gehrels, G.E., and Ding, L., 2014, Paleocene-Eocene foreland basin evolution in the Himalaya of southern Tibet and Nepal: Implications for the age of initial India-Asia collision, Tectonics, v. 33, p. 824-839. doi:10.1002/2014TC003522
125. Carrapa, B., Orme, D., DeCelles, P.G., Kapp, P., Cosca, M., and Waldrip, W., 2014, Miocene burial and exhumation of the India-Asia collision zone in southern Tibet: response to slab dynamics and erosion, Geology, v. 42, p. 443-446. doi:10.1130/G35350.1
124. Canavan, R., Carrapa, B., Clementz, M.T., Quade, J., DeCelles, P.G., and Schoenbohm, L.M., 2014, Early Cenozoic uplift of the Puna Plateau, Central Andes, based on stable isotope paleoaltimetry of hydrated volcanic glass: Geology, v. 42, p. 447-450. doi:10.1130/G35239.1
123. Carrapa, B., Reyes-Bywater, S., Safipour, R., Sobel, E.R., Schoenbohm, L.M., DeCelles, P.G., Reiners, P.W., and Stockli, D., 2014, The effect of inherited paleotopography on exhumation of the Central Andes of NW Argentina: Geological Society of America Bulletin, v. 126, p. 66-77. doi:10.1130/B30844.1
122. Pearson, D.P., Kapp, P., DeCelles, P.G., Reiners, P.W., Gehrels, G.E., Ducea, M.N., and Pullen. A., 2013, Timing, kinematics, and magnitude of Cenozoic shortening within a basement-involved, inverted thrust belt: Northwestern Argentina: Geosphere, v. 9, n. 6, p. 1-17.
121. Laskowski, A.K., DeCelles, P.G., and Gehrels, G.E., 2013, Detrital geochronology of Cordilleran retroarc foreland basin strata, western North America: Tectonics, v. 32. doi:10.1002/tect.20065.
120. DeCelles, P.G., 2012, Foreland basin systems revisited: variations in response to tectonic settings, in *Tectonics of Sedimentary Basins: Recent Advances,* edited by C. Busby and A. Azor Pérez, Blackwell Publishing Ltd., 405-426.

119. Fuentes, F.†, DeCelles, P.G., and Constenius, K.N., 2012, Regional structure and kinematic history of the Cordilleran fold-thrust belt in northwestern Montana, USA: Geosphere, v. 8; no. 5. doi:10.1130/GES00773.1
118. Peyton, S.L.†, Reiners, P.W., Carrapa, B., and DeCelles, P.G., 2012, Low-temperature thermochronology of the northern Rocky Mountains, Western U.S.A.: American Journal of Science, v. 312, p. 145-212.
117. Peyton, S.L.†, Constenius, K.N., and DeCelles, P.G., 2011, Early eastward translation of shortening in the Sevier thrust belt, northeast Utah and southwest Wyoming, U.S.A., in Sprinkel, D.A., Yonkee, W.A., and Chidsey, T.C., Jr., editors, Sevier thrust belt: northern and central Utah and adjacent areas: Utah Geological Society Special Publication, v. 40, p. 57-72.
116. DeCelles, P.G., Carrapa, B., Horton, B.K., and Gehrels, G.E., 2011, Cenozoic foreland basin system in the central Andes of northwestern Argentina: Implications for Andean geodynamics and modes of deformation, Tectonics, 30, TC6013, 30 p., 2011 doi:10.1029/2011TC002948
115. van Hinsbergen, D.J., Kapp, P., Dupont-Nivet, G., DeCelles, P.G., Lippert, P.C., Torsvik, T.H., 2011, Cenozoic deformation of Tibet, Pamir-Hindu Kush, Tien Shan and Mongolia reviewed and restored: retrodeforming intra-Asian shortening and extrusion north of India, Tectonics, v. 30, TC5003. doi:10.1029/2011TC002908
114. Gehrels, G.E., Kapp, P., DeCelles, P.G., Pullen, A., Blakey, R., Weislogel, A., Ding, L., Guynn, J., Martin, A., McQuarrie, N., and Yin, A., 2011, Detrital zircon geochronology of pre-Tertiary strata in the Tibetan-Himalayan orogen: Tectonics, 30, TC5016, 27 PP., 2011. doi:10.1029/2011TC002868
113. Carrapa, B., Mortimer, E., DeCelles, P.G., Bywater, S., Trimble, J., and Gehrels, G.E., 2011, Eocene-Miocene synorogenic basin evolution in the Eastern Cordillera of northwestern Argentina (25°-26°S): Regional implications for Andean orogenic wedge development: Basin Research, v. 23, p. 1-20.
112. Fan, M.†, Quade, J., Dettman, D.L., DeCelles, P.G., 2011, Widespread basement erosion in late Paleocene-early Eocene in the Laramide Rocky Mountains inferred from $^{87}Sr/^{86}Sr$ ratio of bivalve fossils: GSA Bulletin, v. 123, p. 2069-2082.
111. DeCelles, P.G., Kapp, P.K., Quade, J., and Gehrels, G.E., 2011, The Oligocene-Miocene Kailas Basin, southwestern Tibet: record of post-collisional upper plate extension in the Indus-Yarlung suture zone: Geological Society of America Bulletin, v. 123, p. 1337-1362.
110. Fan, M.†, DeCelles, P.G., Gehrels, G.E., Dettman, D.L., Quade, J., and Peyton, S.L., 2011, Sedimentology, detrital zircon geochronology, and stable isotope geochemistry of the lower Eocene strata in the Wind River Basin, central Wyoming: Geological Society of America Bulletin, v. 123, p. 979-996.
109. Fuentes, F.†, DeCelles, P.G., Constenius, K.N., and Gehrels, G.E., 2011, Evolution of the Cordilleran foreland basin system in northwestern Montana, U.S.A. GSA Bulletin v. 123, p. 507–533. doi: 10.1130/B30204.1
108. Pullen A., Kapp, P., DeCelles, P.G., Gehrels, G.E., and Ding, L., 2011, Cenozoic anatexis and exhumation of Tethyan Sequence rocks in the Xiao Gurla Range, Southwest Tibet: Tectonophysics v. 501, 28-40.
107. Saylor, J.†, DeCelles, P.G., Gehrels, G. E., Murphy, M., Zhang, R., and Kapp, P., 2010, Basin Formation in the High Himalaya by Arc-Parallel Extension and Tectonic Damming: Zhada Basin, Southwestern Tibet, Tectonics, 29, 1. doi:10.1029/2008TC002390
106. Saylor, J.†, DeCelles, P.G., Quade, J., 2010, Climate-driven environmental change in the Zhada Basin, southwestern Tibetan Plateau: Geosphere, v. 6; no. 2; p. 74-92; DOI: 10.1130/GES00507.1.
105. Pelletier, J.D., DeCelles, P.G., and Zandt, G., 2010, Relationships among climate, erosion, topography, and delamination in the Andes: a numerical modeling investigation: Geology, 38, 259-262.

104. Martin, A.J.†, Ganguly, J., and DeCelles, P.G., 2009, Metamorphism of Greater and Lesser Himalayan rocks exposed in the Modi Khola valley, central Nepal: Contributions to Mineralogy and Petrology. doi 10.1007/s00410-009-0424-3
103. Leier, A.†, Quade, J., DeCelles, P., and Kapp, P., 2009, Stable isotopic results from paleosol carbonate in South Asia: paleoenvironmental reconstructions and selective alteration: Earth and Planetary Science Letters 279, 242-254.
102. DeCelles, P.G., Ducea, M.N., Kapp, P., and Zandt, G., 2009, Cyclicity in Cordilleran orogenic systems: Nature Geoscience, 2, 251-257. doi: 10.1038/NGEO469
101. Fuentes, F.†, DeCelles, P.G., and Gehrels, G.E., 2009, Jurassic onset of foreland basin deposition in northwestern Montana, USA: Implications for along-strike synchroneity of Cordilleran orogenic activity, Geology, 37, 379-382. (Highlighted in *Geology* Research Focus Article by A. Miall)
100. Carrapa, B., DeCelles, P.G., Reiners, P.W., Gehrels, G.E., and Sudo, M., 2009, Apatite triple dating and white mica $^{40}Ar/^{39}Ar$ thermochronology of syntectonic detritus in the Central Andes: a multi-phase tectonothermal history: Geology, 37, 407-410. Highlighted in *Science* research review note by B. Hanson.
99. Saylor, J. E.†, Quade, J., Dettman, D., DeCelles, P. G., Kapp, P. A., 2009, The late Miocene through present paleoelevation history of southwestern Tibet: American Journal of Science, v. 309, 1-42.
98. Ojha, T.P.†, Butler, R.F., DeCelles, P.G., and Quade, J., 2009, Magnetic polarity stratigraphy of the Neogene foreland basin deposits of Nepal, Basin Research, v. 21, p. 61-90. doi: 10.1111/j. 1365-2117.2008.00374.x
97. Pullen, A., Kapp, P., Gehrels, G.E., DeCelles, P.G., Brown, E., Fabijanic, J.M., and Ding, L., 2008, Gangdese retroarc thrust belt and foreland basin deposits in the Damxung area, southern Tibet: Journal of Asian Earth Sciences, v. 33, p. 323-336.
96. Carrapa, B., and DeCelles, P.G., 2008, Eocene exhumation and basin development in the Puna of Northwestern Argentina: Tectonics, v. 27, TC1015. doi: 10.1029/2007TC002127
95. Leier, A.L.†, DeCelles, P.G., Kapp, P., and Gehrels, G.E., 2007, Lower Cretaceous strata of central Tibet: implications for regional deformation and uplift prior to the Indo-Asian collision: Journal of Sedimentary Research, v.77, p. 809-825.
94. Garzanti, E., Vezzoli, G., Ando, S., Lavé, J., Attal, M., France-Lanord, C., and DeCelles, P.G., 2007, Quantifying sand provenance and erosion (Marsyandi River, Nepal Himalaya): Earth and Planetary Science Letters, v. 258, p. 500-515.
93. DeCelles, P.G., Carrapa, B., and Gehrels, G.E., 2007, Detrital zircon U-Pb ages provide new provenance and chronostratigraphic information from Eocene synorogenic deposits in northwestern Argentina: Geology, v. 35, p. 323-326.
92. He, S., Kapp, P., DeCelles, P.G., Gehrels, G.E., and Heizler, M., 2007, Cretaceous – Tertiary geology of the Gangdese arc in the Linzhou area, southern Tibet: Tectonophysics, v. 433, p. 15-37. doi:10.1016/j.tecto.2007.01.005
91. Martin, A.J.†, Gehrels, G.E., and DeCelles, P.G., 2007, The tectonic significance of (U,Th)/Pb ages of monazite inclusions in garnet from the Himalaya of central Nepal: Chemical Geology. doi: 10.1016/j.chemgeo.2007.05.003
90. Coogan, J.C., and DeCelles, P.G., 2007, Regional structure and kinematic history of the Sevier fold-and thrust belt, central Utah: Reply: Geological Society of America Bulletin, v. 119, no. 5/6 doi: 10.1130/B26176.1
89. Cavazza, W., DeCelles, P.G., Fellin, M.G., and Paganelli, L., 2007, The Miocene Saint-Florent basin in northern Corsica: stratigraphy, sedimentology, and tectonic implications: Basin Research. doi: 10.1111/j.1365-2117.2007.00334.x
88. Leier, A.L.†, Kapp, P., Gehrels, G.E., and DeCelles, P.G., 2007, Detrital zircon geochronology of

Carboniferous-Cretaceous strata in the Lhasa terrane, southern Tibet: Basin Research, v. 19, p. 361-378.

87. DeCelles, P.G., Kapp, P., Ding, L., and Gehrels, G.E., 2007, Cretaceous-mid Tertiary basin development in the central Tibetan Plateau: Changing environments in response to changing climate, tectonic partitioning, and elevation gain: Geological Society of America Bulletin, v. 119, p. 654-680. doi: 10.1130/B26074.1
86. Kapp, P., DeCelles, P.G., Gehrels, G.E., Heizler, M., and Ding, L., 2007, Geological records of the Cretaceous Lhasa-Qiangtang and Indo-Asian collisions in the Nima basin area, central Tibet, Geological Society of America Bulletin, v. 119, p. 917-932; doi:10.1130/B26033.1
85. Kapp, P., DeCelles, P.G., Leier, A.L., Fabijanic, J.M.†, He, S., Pullen, A., Gehrels, G.E., and Ding, L., 2007, The Gangdese retroarc thrust belt revealed: GSA Today, V. 17, number 7, p 4-9.
84. Leier, A.†, DeCelles, P.G., and Kapp, P., 2007, The Takena Formation of the Lhasa terrane, southern Tibet: the record of a Late Cretaceous retroarc foreland basin: Geological Society of America Bulletin, v. 119, p. 31-48.
83. DeCelles, P.G., Quade, J., Kapp, P., Fan, M., Dettman, D., and Ding, L., 2007, High and dry in the central Tibetan Plateau during the Oligocene: Earth and Planetary Science Letters, v. 253, p. 389-401.
82. Szulc, A.G., Najman, Y., Sinclair, H.D., Pringle, M., Bickle, M., Chapman, H., Garzanti, E., Ando, S., Huyghe, P., Mugnier, J-L., Ojha, T., and DeCelles, P., 2006, Tectonic evolution of the Himalaya constrained by detrital ^{40}Ar-^{39}Ar, Sm-Nd and petrographic data from the Siwalik foreland basin succession, SW Nepal: Basin Research, v. 18, p. 375-392.
81. Yoshida, M., Upreti, B.N., DeCelles, P.G., Gehrels, G.E., and Ojha, T.P., 2006, Basement history and provenance of the Tethys sediments of the Himalaya: an appraisal based on recent geochronologic and tectonic data: Bulletin of the Tethys Geological Soceity, Cairo, v. 1, p. 1-6.
80. Gehrels, G.E., DeCelles, P.G., Ojha, T.P.†, and Upreti, B.N., 2006, Geologic and U-Pb geochronologic evidence for early Paleozoic tectonism in the Dadeldhura thrust sheet, far-west Nepal Himalaya: Journal of Asian Earth Sciences, v. 28, p. 385-408.
79. Robinson, D.M.†, DeCelles, P.G., and Copeland, P., 2006, Tectonic evolution of the Himalayan thrust belt in western Nepal: implications for channel flow models: Geological Society of America Bulletin, v. 118; no. 7/8; p. 865–885; doi: 10.1130/B25911.1, p. 865-885
78. DeCelles, P.G., and Coogan, J.C.†, 2006, Regional structure and kinematic history of the Sevier fold-thrust belt, central Utah: Implications for the Cordilleran magmatic arc and foreland basin system, Geological Society of America Bulletin, v. 118; no. 7/8; p. 841–864; doi: 10.1130/B25759.1
77. Gehrels, G.E., DeCelles, P.G., Ojha, T.P.†, and Upreti, B.N., 2006, Geologic and U-Th-Pb geochronologic evidence for early Paleozoic tectonism in the Kathmandu thrust sheet, central Nepal Himalaya: Geological Society of America Bulletin, v. 118, p. 185-198; doi:10.1130/B25753.1
76. McQuarrie, N.†, Horton, B.K.†, Zandt, G., Beck, S., and DeCelles, P.G., 2005, Lithospheric evolution of the Andean fold–thrust belt, Bolivia, and the origin of the central Andean plateau: Tectonophysics, v. 399, p. 15-37.
75. Pearson, O.N.†, and DeCelles, P. G., 2005, Structural geology and regional tectonic significance of the Ramgarh thrust, Himalayan fold-thrust belt of Nepal: Tectonics, Vol. 24. TC400810.1029/2003TC001617
74. Leier, A.†, DeCelles, P.G., and Pelletier, J., 2005, Mountains, monsoons, and megafans: Geology, v. 33, p. 289-292.
73. Martin, A.J.†, DeCelles, P.G., Gehrels, G.E., Patchett, P.J., and Isachsen, C., 2005, Isotopic and structural constraints on the location of the Main Central thrust in the Annapurna Range, central Nepal Himalaya, Geological Society of America Bulletin, v. 117, p. 926–944; doi: 10.1130/B25646.1

72. Ross, G. M., Patchett, P.J., DeCelles, P.G., Heaman, L., Rosenberg, E., and Giovanni, M.†, 2005, Evolution of the Cordilleran orogen (southwestern Alberta) inferred from detrital mineral geochronology and Nd isotopes in the foreland: Geological Society of American Bulletin, v. 117, p. 746-763. doi 10.1130/B25564.1
71. DeCelles, P.G., Gehrels, G.E., Najman, Y., Martin, A.J.†, Carter, A., and Garzanti, E., 2004, Detrital geochronology and geochemistry of Cretaceous—Early Miocene strata of Nepal: Implications for timing and diachroneity of initial Himalayan orogenesis, Earth and Planetary Science Letters, v. 227, p. 313-330. doi:10.1016/j.epsl.2004.08.019
70. Ducea, M., Valencia, V.A., Shoemaker, S., Reiners, P.W., DeCelles, P.G., Maria Fernanda Campa, M.F., Morán-Zenteno, and Ruiz, J., 2004, Rates of sediment recycling beneath the Acapulco trench: Constraints from (U-Th)/He thermochronology: Journal of Geophysical Research, v. 109, B09404. doi:10.1029/2004JB003112
69. Horton, B.K.†, Constenius, K.N., and DeCelles, P.G., 2004, Tectonic control on coarse-grained foreland-basin sequences: An example from the Cordilleran foreland basin, Utah: Geology, v. 32, p. 637-640.
68. DeCelles, P.G., 2004, Late Jurassic to Eocene evolution of the Cordilleran thrust belt and foreland basin system, western USA: American Journal of Science, v. 304, p. 105-168.
67. Quade, J., English, N., and DeCelles, P.G., 2003, Silicate versus carbonate weathering in the Himalaya: a comparison of the Arun and Seti River watersheds: Chemical Geology, v. 202, p. 275-296.
66. Conder, J., Butler, R.F., DeCelles, P.G., and Constenius, K.N., 2003, Paleomagnetic determination of vertical-axis rotations within the Charleston – Nebo salient, Utah: Geology, v. 31, p. 1113-1116.
65. Gehrels, G.E., DeCelles, P.G., Martin, A.J.†, Ojha, T.P.†, Pinhassi, G., and Upeti, B.N., 2003, Initiation of the Himalayan orogen as an early Paleozoic thin-skinned thrust belt: GSA Today, v. 13, no. 9, p. 4-9.
64. Robinson, D.M.†, DeCelles, P.G., Garzione, C.N., Pearson, O.N., Harrison, T.M., and Catlos, E.J., 2003, Kinematic model for the Main Central thrust in Nepal: Geology, v. 31, p. 359-362.
63. Garzione, C.N.†, DeCelles, P.G., Hodkinson, D.G., Ojha, T.P.†, and Upreti, B.N., 2003, East-west extension and Miocene environmental change in the southern Tibetan plateau: Thakkhola graben, central Nepal: Geological Society of America Bulletin, v. 115, p. 3-20.
62. DeCelles, P. G., and Horton, B.K.†, 2003, Implications of early-middle Tertiary foreland basin development for the history of Andean crustal shortening in Bolivia: Geological Society of America Bulletin, v. 115, p. 58-77.
61. DeCelles, P.G., Robinson, D.M.†, and Zandt, G., 2002, Implications of shortening in the Himalayan fold-thrust belt for uplift of the Tibetan Plateau, Tectonics, v. 21, no. 6, 1062. doi:10.1029/2001TC001322
60. Robinson, D.M.†, DeCelles, P.G., Patchett, P.J. and Garzione, C.N.†, 2001, The kinematic history of the Nepalese Himalaya interpreted from Nd isotopes: Earth and Planetary Science Letters, v. 192, p. 507-521.
59. McQuarrie, N.†, and DeCelles, P. G., 2001, Geometry and structural evolution of the Central Andean backthrust belt, Bolivia: Tectonics, v. 20, p. 669-692.
58. DeCelles, P.G., Robinson, D.M.†, Quade, J., Ojha, T.P.†, Garzione, C.N.†, Copeland, P., and Upreti, B. N., 2001, Stratigraphy, structure, and tectonic evolution of the Himalayan fold-thrust belt in western Nepal: Tectonics, v. 20, p. 487-509.
57. Horton, B.K.†, and DeCelles, P. G., 2001, Modern and ancient fluvial megafans in the foreland basin system of the central Andes, southern Bolivia: implications for drainage network evolution in fold-thrust belts: Basin Research, v. 13, p. 43-64.

56. DeCelles, P.G., and DeCelles, P.C., 2001, Rates of shortening, propagation, underthrusting, and flexural wave migration in continental orogenic systems: Geology, v. 29, p. 135-138.
55. Garzione, C.N.†, Quade, J., DeCelles P.G., and English, N.B., 2000, Predicting paleoelevation of Tibet and the Nepal Himalaya from $\delta^{18}O$ vs. altitude gradients in meteoric water across the Nepal Himalaya: Earth and Planetary Science Letters, v. 183, p. 215-230.
54. Garzione, C.N.†, Dettman, D. L., Quade, J., DeCelles, P. G., and Butler, R. F., 2000, High times on the Tibetan Plateau: paleoelevation of the Thakkhola graben, Nepal: Geology, v. 28, p. 339-342.
53. English, N.B., Quade, J., DeCelles, P.G., and Garzione, C.N.†, 2000, Geologic control of Sr and major element chemistry in Himalayan rivers, Nepal: Geochimica et Cosmochimica Acta, v. 64, p. 2549-2566.
52. DeCelles, P.G., Gehrels, G.E., Quade, J., LaReau, B., and Spurlin, M., 2000, Tectonic implications of U-Pb detrital zircon ages from the Himalayan orogenic belt, Nepal: Science, v 288, p. 497-499.
51. Ojha, T.P., Butler, R.F., Quade, J., DeCelles, P.G., Richards, D., and Upreti, B.N., 2000, Magnetic polarity stratigraphy of the Neogene Siwalik Group at Khutia Khola, Farwestern Nepal: Geological Society of America Bulletin, v. 112, p. 424-434.
50. Cavinato, G.P., and DeCelles, P.G., 1999, Extensional basins in the tectonically bimodal central Apennines fold-thrust belt, Italy: response to corner flow above a subducting slab in retrograde motion: Geology, v. 27, p. 955-958.
49. DeCelles, P.G., and Cavazza, W., 1999, A comparison of fluvial megafans in the Cordilleran (Late Cretaceous) and modern Himalayan foreland basin systems: Geological Society of America Bulletin, v. 111, p. 1315-1334.
48. DeCelles, P.G., Gehrels, G.E., Quade, J., and Ojha, T.P., 1998, Eocene-early Miocene foreland basin development and the history of Himalayan thrusting, western and central Nepal: Tectonics, v. 17, p. 741-765.
47. Cavazza, W., and DeCelles, P.G., 1998, Upper Messinian siliciclastic rocks in southeastern Calabria (southern Italy): palaeotectonic and eustatic implications for the evolution of the central Mediterranean region: Tectonophysics, v. 298, p. 223-241.
46. DeCelles, P.G., Gehrels, G.E., Quade, J., Ojha, T.P., Kapp, P.A., and Upreti, B.N., 1998, Neogene foreland basin deposits, erosional unroofing, and the kinematic history of the Himalayan fold-thrust belt, western Nepal: Geological Society of America Bulletin, v. 110, p. 2-21.
45. Chase, C.G., Gregory, K.M., Parrish, J.T., and DeCelles, P.G., 1998, Topographic history of the western Cordilleran of North America and controls on climate, in Crowley, T.J., and Burke, K., eds., Tectonic Boundary Conditions for Climate Reconstructions, Oxford Monographs on Geology and Geophysics, No. 39, p. 73-99.
44. Coogan, J.C.†, and DeCelles, P.G., 1998, Extensional collapse along the Sevier Desert reflection, northern Sevier Desert basin, western United States: Reply to Comment: Geology, v. 26, p. 475.
43. DeCelles, P.G. and Giles, K.A., 1997, Foreland basin systems: Reply to Comment by S. Moss and A. McCarthy: Basin Research, v. 9, p. 172-176.
42. Horton, B.K.†, and DeCelles, P.G., 1997, The modern foreland basin system adjacent to the central Andes: Geology, v. 25, p. 895-898.
41. Quade, J., Roe, L., DeCelles, P.G., and Ojha, T.P., 1997, The Late Neogene $^{87}Sr/^{86}Sr$ record of lowland Himalayan rivers: Science, v. 276, p. 1828-1831.
40. Cavazza, W., Blenkinsop, J., DeCelles, P.G., Patterson, R.T., and Reinhardt, E., 1997, Stratigrafia e sedimentologia della sequenza sedimentaria Oligocenico-Quaternaria del bacino Calabro-Ionico: Bolletino della Societa Geologia Italiano, v. 116, p. 51-77.
39. DeCelles, P.G., and Giles, K.N., 1996, Foreland basin systems: Basin Research, v. 8, p. 105-123.

38. DeCelles, P.G., and Currie, B.S.†, 1996, Long-term sediment accumulation in the Middle Jurassic-early Eocene cordilleran retroarc foreland basin system: Geology, v. 24, p. 591-594.
37. Coogan, J.C.†, and DeCelles, P.G., 1996, Seismic architecture of the Sevier Desert detachment basin: evidence for large-scale regional extension: Geology, v. 24, p. 933-936.
36. DeCelles, P.G. and Mitra, G., 1995, History of the Sevier orogenic wedge in terms of critical taper models, northeast Utah and southwest Wyoming: Geological Society of America Bulletin, v. 107, p. 454-462.
35. DeCelles, P.G., and Cavazza, W., 1995, Upper Messinian conglomerates in southeastern Calabria (southern Italy): response to orogenic wedge adjustment following Mediterranean sea-level changes: Geology, v. 23, p 775-778.
34. DeCelles, P.G., Lawton, T.F., and Mitra, G., 1995, Thrust timing, growth of structural culminations, and synorogenic sedimentation in the type Sevier orogenic belt, western USA: Geology, v. 23, p. 699-702.
33. Rhoades, M.L.†, and DeCelles, P. G., 1995, The provenance of middle Tertiary sandstones of the San Emigdio Range and Tehachapi Range, southern California, in Fritsche, A. E., ed., Cenozoic Paleogeography of the western United States--II: Pacific Section, SEPM (Society for Sedimentary Geology), Book 75, p. 113-130.
32. DeCelles, P.G., 1994, Late Cretaceous-Paleocene synorogenic sedimentation and kinematic history of the Sevier thrust belt, northeast Utah and southwest Wyoming: Geological Society of America Bulletin, 106, 32-56.
31. DeCelles, P.G., Pile, H.T.†, and Coogan, J.C.†, 1993, Kinematic history of the Meade thrust based on provenance of the Bechler Conglomerate at Red Mountain, Idaho, Sevier thrust belt: Tectonics, 12, 1436-1450.
30. Cavazza, W., and DeCelles, P.G., 1993, Geometry of a Miocene submarine canyon and associated sedimentary facies in southeastern Calabria, southern Italy: Geological Society of America Bulletin, 105, 1297-1309.
29. Ridgway, K.D.†, and DeCelles, P.G., 1993, Stream-dominated alluvial fan and lacustrine depositional systems in Cenozoic strike-slip basins, Denali fault system, Yukon Territory, Canada: Sedimentology, 40, 645-666.
28. Ridgway, K.D., and DeCelles, P.G., 1993, Petrology of Cenozoic strike-slip basins in an accretionary orogen, St. Elias Mountains, Yukon Territory, Canada, in Basu, A. and Johnsson, M., editors, Processes controlling the composition of clastic sediments: Geological Society of America Special Paper 284, 67-90.
27. DeCelles, P.G., and Burden, E.T., 1992, Sedimentology and sedimentary petrology of Jurassic-Cretaceous Morrison and Cloverly Formations in the overfilled part of the Cordilleran foreland basin: Basin Research, 4, 291-314.
26. Fraser, G.S., and DeCelles, P.G., 1992, Geomorphic controls on sediment accumulation at margins of foreland basins: Basin Research, 4, 233-252.
25. DeCelles, P.G., and Cavazza, W., 1992, Constraints on the formation of Pliocene hummocky cross-stratification in Calabria (southern Italy) from consideration of hydraulic and dispersive equivalence, grain-flow theory, and suspended-load fallout rate: Journal of Sedimentary Petrology, 62, 555-568.
24. Ridgway, K.D.†, DeCelles, P.G., Cameron, A.R., and Sweet, A.R., 1992, Cenozoic syndepositional sedimentation and strike-slip basin development along the Denali fault system, Yukon Territory: Yukon Geology, 3, 1-26.
23. Sharma, M., Basu, A.R., Cole, R.B.†, and DeCelles, P.G., 1992, Basalt-rhyolite volcanism by MORB-continental crust interaction: Nd, Sm, Sr-isotopic and geochemical evidence from southern San Joaquin basin, California: Contributions to Mineralogy and Petrology, 109, 159-172.

22. DeCelles, P.G., Gray, M.B., Ridgway, K.D.†, Cole, R.B.†, Srivastava, P., Pequera, N., and Pivnik, D.A.†, 1991, Kinematic history of foreland uplift from Paleocene synorogenic conglomerate, Beartooth Range, Wyoming and Montana: Geological Society of America Bulletin, 103, 1458-1475.
21. DeCelles, P.G., Gray, M.B., Cole, R.B.†, Pequera, N., Pivnik, D.A.†, Ridgway, K.D.†, and Srivastava, P., 1991, Controls on synorogenic alluvial-fan architecture, Beartooth Conglomerate, Wyoming and Montana: Sedimentology, 38, 567-590.
20. Cole, R.B.†, and DeCelles, P.G., 1991, Non-marine to marine transition in Miocene volcanic deposits, San Emigdio Range, California: Geological Society of America Bulletin, 103, 221-235.
19. DeCelles, P.G., and Hertel, F., 1990, Petrology of fluvial sands form the Amazonian foreland basin, Peru and Bolivia: alternative interpretation: reply: Geological Society of America Bulletin, 100, 1729-1730.
18. Basu, A.R., Sharma, M., and DeCelles, P.G., 1990, Nd-Sr isotopic provenance and trace element geochemistry of Amazonian foreland-basin sands from Peru and Bolivia: implications for Andean ensialic orogenesis: Earth and Planetary Science Letters, 100, 1-17.
17. DeCelles, P.G., and Hertel, F., 1989, Petrology of fluvial sands from the Amazonian foreland basin, Peru and Bolivia: Geological Society of America Bulletin, 101, 1552-1562.
16. DeCelles, P.G., 1988, Lithologic provenance modeling applied to the Late Cretaceous Echo Canyon Conglomerate, Utah: a case of multiple source areas: Geology, 19, 1039-1043.
15. DeCelles, P.G., 1988, Middle Cenozoic depositional, tectonic, and sea-level history of the southern San Joaquin basin, California: American Association of Petroleum Geologists Bulletin, 72, 1297-1322.
14. DeCelles, P.G., 1988, Deposits of a middle Tertiary convulsive geologic event, San Emigdio Range, southern California: Geological Society of America Special Paper 229, 127-142.
13. Schwartz, R.K., and DeCelles, P.G., 1988, Foreland basin evolution and synorogenic sedimentation in response to interactive Cretaceous thrusting and reactivated foreland partitioning: Geological Society of America Memoir 171, 489-513.
12. DeCelles, P.G., 1987, Variable preservation of middle Tertiary nearshore to outer-shelf coarse-grained storm deposits in southern California: Journal of Sedimentary Petrology, 57, 250-264.
11. DeCelles, P.G., and 14 co-authors, 1987, Laramide thrust-generated alluvial-fan sedimentation, Sphinx Conglomerate, southwestern Montana: American Association of Petroleum Geologists Bulletin, 71, 135-155.
10. DeCelles, P.G., 1986, Sedimentation in a tectonically partitioned, nonmarine foreland basin: the Lower Cretaceous Kootenai Formation, southwestern Montana: Geological Society of America Bulletin, 97, 911-931.
9. Graham, S.A., Tolson, R.B., DeCelles, P.G., and 12 co-authors, 1986, Lithology of source terranes as a determinant in styles of foreland sedimentation: International Association of Sedimentologists Special Publication, 8, 141-152.
8. DeCelles, P.G., and Gutschick, R.C., 1983, Mississippian wood-grained chert and its significance in the western interior United States: Journal of Sedimentary Petrology, 53, 1175-1191.
7. DeCelles, P.G., Langford, R.P., and Schwartz, R.K., 1983, Two new methods of paleocurrent determination from trough cross-stratification: Journal of Sedimentary Petrology, 53, 629-642.

Guidebooks

6. DeCelles, P.G., and Coogan, J.C.†, 1998, Coupled structure and sedimentation through 100 m.y. of thrust wedge evolution, Sevier thrust belt, northern Utah, western Wyoming, and southeastern Idaho: AAPG Annual Convention, Salt Lake City, 42 p.
5. Camilleri, P., Yonkee, W.A., Coogan, J.C.†, DeCelles, P.G., McGrew, A., and Wells, M., 1997,

Hinterland to foreland transect through the Sevier orogen, NE Nevada to SW Wyoming: structural style, metamorphism, and kinematic history of a large contractional orogenic wedge: in Link, P.K., and Kowallis, B.J., eds., Brigham Young University Geology Studies, v. 42, part 1, p. 297-309.

4. Yonkee, W.A., DeCelles, P.G., and Coogan, J.C.†, 1997, Kinematics and synorogenic sedimentation of the eastern frontal part of the Sevier orogenic wedge, northern Utah: in Link, P.K., and Kowallis, B.J., eds., Brigham Young University Geology Studies, v. 42, part 1, p. 355-380.
3. Lawton, T.F., Sprinkel, D., DeCelles, P.G., Mitra, G., and Sussman, A.J., 1997, Thrusting and synorogenic sedimentation in the central Utah Sevier thrust belt and foreland basin: Brigham Young University Geology Studies, v. 42, part 2, p. 33-67.
2. Yonkee, W.A., Evans, J.P., and DeCelles, P.G., 1992, Tectonics of the northern Wasatch Range, Utah: Geological Society of America Rocky Mountain Section, Field Trip Guidebook, Utah Geological Survey Miscellaneous Publication 92-3, 429-460.
1. DeCelles, P.G., 1986, Middle Tertiary depositional systems of the San Emigdio Range, southern California: Society of Economic Paleontologists and Mineralogists, American Association of Petroleum Geologists, Society of Exploration Geophysicists, Pacific Sections, Field Trip Guidebook, 32 pp.

Comments, Replies, and Corrigenda

4. Huang, W., Garzanti, E., Moore, T.C., DeCelles, P.G., Ding, L., 2024, Comment on Continuity of the Sangdanlin Paleocene section and rejection of a large Greater India in the Early Cretaceous: Proceedings of the National Academy of Sciences, v, 121, No. 19, e2402456121. https://doi.org/10.1073/pnas.2402456121
3. Carrapa, B., DeCelles, P.G., Dawson, R.R. (nee Canavan), Quade, J., Clementz, M.T., and Schoenbohm, L., 2024, Uplift of the Puna Plateau was not limited to Miocene and younger time: Proceedings of the National Academy of Sciences, v, 121, No. 22, e2406528121. https://doi.org/10.1073/pnas.2406528121
2. van Hinsbergen, D.J.J., Lippert, P.C., Dupont-Nivet, G., Kapp, P., DeCelles, P.G., Torsvik, T.H., 2012, Reply to comment by Ali and Aitchison on "Restoration of Cenozoic deformation in Asia, and the size of Greater India": Tectonics, 31 (4).
1. Henriquez, S., DeCelles, P.G., Carrapa, B., Hughes, A.N., Davis, G.H., Alvarado, P., 2021, Corrigendum to "Deformation history of the Puna plateau, Central Andes of northwestern Argentina, Journal of Structural Geology, 140: Journal of Structural Geology 146, 104245.

Other literature

DeCelles, P.G., and Reiners, P.W., Unraveling the mysteries of the mountains, Tucson Citizen, November 14, 2010, supplement.

DeCelles, P., Recent climbs in Tibet, American Alpine Journal, v. 55, p. 358-359, 2013.

DeCelles, P.G., Tectonics as Purpose in Geological Field Camps: The Necessity of Hitting the Road, and Implications for Geological Field Stations: Structural Geology and Tectonics Division, Geological Society of America, 2013.

DeCelles, P.G., Geological Mystery on Roof of the World, Tucson Arizona Daily Star, November 30, 2014.

Catlos, E.J., Friedrich, A.M., Lay, T., Elliott, J.R., Carena, S., Upreti, B.N., DeCelles, P.G., Tucker, B., and Bendick, R., 2016, Nepal at risk: interdisciplinary lessons learned from the April 2015 Nepal (Gorkha) earthquake and future concerns: GSA Today, v. 26, n. 6, p. 42-43. doi: 10.1130/GSATG278GW.1, 2016.

Presentations at national and international meetings with published abstracts

(* indicates speaker)

188. Mahanti, S.S., & 24 others, 2024, Crustal Imaging of the Southern Central Andes by Ambient Noise Autocorrelation of Nodal Seismic Data: AGU Abstracts, National Meeting, Washington, DC.
187. Beck, S.L., & 31 others, 2024, The Tale of Two Mountain Belts along the South America Convergent Margin: AGU Abstracts, National Meeting, Washington, DC.
186. Ferroni, F.R., DeCelles, P.G.*, Carrapa, B., Ticona, D.E.M., Jepson, G., 2024, The Sub-Andean Retroarc Foreland Basin Constrained at 22°S: AGU Abstracts, National Meeting, Washington, DC.
185. Leon-Rios, S., & 22 others, 2024, Contrasting Wavespeed Images of the Northern and Southern Chilean Forearc from Tomographic Analysis of Local Earthquakes Recorded by the Trans ANdean Great Orogeny (TANGO) Experiment: AGU Abstracts, National Meeting, Washington, DC.
184. Mahanti, S.S., & 24 others, 2024, Orogen-Parallel Variations in Seismicity in the Central Andes Recorded by the TANGO Seismic Deployment: AGU Abstracts, National Meeting, Washington, DC.
183. Muller, V., Carrapa, B., Beck, S., Currie, C., DeCelles, P., Sternai, P., 2024, Tectonic shortening vs. mantle dynamic control on the topography and foreland subsidence of the Andes and using numerical modeling: AGU Abstracts, National Meeting, Washington, DC.
182. Jepson, G.*, Afonso, W., Reeher, L.J., DeCelles, P.G., Howlett, C., Caylor, E., Sherpa, T., Wang, J., Constenius, K.N., 2024, Regional exhumation of the Laramide: *Geological Society of America Abstracts with Programs.*
181. Sherpa. T.Z.L.*, DeCelles, P.G., Gehrels, G.E., Pokhrel, C., 2024, Unraveling magnitude, style and kinematics of crustal shortening in the Himalayan fold-thrust belt of eastern Nepal (Okhaldhunga region): *Geological Society of America Abstracts with Programs.*
180. Sherpa. T.Z.L.*, DeCelles, P.G., 2024, Geological map (1:400,000) of the Okhaldhunga region, eastern Nepal Himalaya: *Geological Society of America Abstracts with Programs.*
179. Sherpa. T.Z.L.*, DeCelles, P.G., and Carrapa, B., 2023, Rates and timing of fold-thrust belt development: Insights from low temperature thermochronology in Eastern Nepal Himalaya: 18th International Conference on Thermochronology, Riva Del Garda, Italy.
178. Carrapa, B*, and DeCelles, P.G., 2023, Orogenic scale thermochronology as proxy for erosion shows monsoon intensity controls the size of mountain belts: 18th International Conference on Thermochronology, Riva Del Garda, Italy.
177. Tauber, S.*, and 22 others, 2023, Structure of the Crust and Shallow Mantle of the Central Andes between 23°S and 37°S based on Ambient Noise Tomography: AGU Abstracts, National Meeting, San Francisco, CA.
176. Li, L.*, DeCelles, P.G., Kapp, P.A., Garzione, C., and Quade, J., 2023, Constraining carbonate diagenesis using clumped isotope temperatures and U-Pb dating: implications for paleoelevation interpretations: AGU Abstracts, National Meeting, San Francisco, CA.
175. Bradford, J.,* and 16 others, 2023, The Andes, From Slab to Surface Through Large-N, Radial-Receiver Function Analysis, at 24°S: AGU Abstracts, National Meeting, San Francisco, CA.
174. Mahanti, S.S.*, and 24 others, 2023, Preliminary Earthquake Catalog of the Southern Central Andes (~23-24°S) Recorded by the TANGO Seismic Deployment: AGU Abstracts, National Meeting, San Francisco, CA.
173. Beck, S.L.*, and 33 others, 2023, TransANdean Great Orogeny (TANGO) – High-resolution Imaging of the Andean Cordillera from the Mantle to the Surface: AGU Abstracts, National Meeting, San Francisco, CA.

172. Ronemus, C.*, Howlett, C., DeCelles, P.G., and Carrapa, B., 2023, Miocene wedge-top sedimentation adjacent to out-of-sequence thrust faults in the Manantiales basin, southern central Andes (~32 °S): *Geological Society of America Abstracts with Programs.*
171. George, S.*, Carrapa, B., DeCelles, P., Jepson, G., Nadoya, H., Tabor, C., Howlett, C., and Ronemus, C., 2023, Intensification of the South American monsoon at the start of the Middle Miocene climatic optimum in the Central Andes as a modulator of orogenic shortening: *Geological Society of America Abstracts with Programs.*
170. Howlett, C.*, Ronemus, C.B., Carrapa, B., DeCelles, P.G., 2023, Age-elevation relationships from Cerro Mercedario (6720 m) record exhumation of the La /ramada Massif, High Andes of western Argentina: *Geological Society of America Abstracts with Programs.*
169. DeCelles, P.G.*, Constenius, K.N., Gehrels, G.E., Yonkee, A., 2023, Geological constraints for Late Jurassic-Eocene Cordilleran orogeny in the western U.S.A.: Review and actualistic comparisons: Cordilleran Section Geological Society of America, Reno, NV.
168. Jepson, G.*, Carrapa, B., DeCelles, P.G., Reeher, L., Howlett, C., Lama Sherpa, T., Caylor, E., Wang, J.W., Constenius, K.N., 2023, Tracking Laramide exhumation as a proxy for upper crustal response to subduction processes: Cordilleran Section Geological Society of America, Reno, NV.
167. Sherpa. T.Z.L.*, George, S.W.M., DeCelles, P.G., and Gehrels, G.E., 2022, Elucidating the tectonometamorphic history of the Nepalese Himalaya using monazite petrochronology: Abstract presented at 35th Himalayan-Karakoram-Tibet workshop, Pokhara, Nepal, 1-4 November.
166. George, S.*, Gehrels, G.E., DeCelles, P.G., and Sherpa, T.Z.L., 2022, Growth and unroofing of the Himalaya from detrital monazite petrochronology: Geological Society of America *Abstracts with Programs.* Vol 54, No. 5. doi: 10.1130/abs/2022AM-379082
165. Caylor, E.*, Carrapa, B., DeCelles, P.G.., and Gehrels, G.E., 2022, The real McCoy: a new record of marine basin deposition in southwestern North America during the Cretaceous: Geological Society of America *Abstracts with Programs.* Vol 54, No. 5. doi: 10.1130/abs/2022AM-381357
164. Li, L.*, Garzione, C., Quade, J., Kapp, P., DeCelles, P., Wang, Z., and Lu, H., 2022, Carbonate clumped isotope evidence for paleoelevations and tectonics in central Tibet: Geological Society of America *Abstracts with Programs.* Vol 54, No. 5. doi: 10.1130/abs/2022AM-380864
163. Howlett, C.*, Jepson, G., Carrapa, B., and DeCelles, P.G., 2022, Late Cretaceous exhumation of the Little Belt Mountains in relation to regional development of the Helena Salient, west-central Montana, USA: Geological Society of America *Abstracts with Programs.* Vol 54, No. 5. doi: 10.1130/abs/2022AM-382668
162. Sherpa. T.Z.L.*, DeCelles, P.G., and Carrapa, B., 2021, The role of erosion on plateau formation in the Nepalese Himalaya: Insights from integrated low-temperature thermochronology: Abstract presented at 17th International Conference on Thermochronology, Santa Fe, NM, 13-17 September.
161. Jepson, G.*, et al., 2021, Where did the Arizonaplano go? Middle to lower crustal processes required: GSA Abstracts, National Meeting, Portland, OR.
160. Hayes, R.L.*, and DeCelles, P.G., 2021, A Refined Model for Shinarump Paleovalley Configuration Using Detrital Zircon Provenance: AGU Abstracts, National Meeting, New Orleans.
159. Wang, H.*, Currie, C.A., DeCelles, P.G., and Yang, C., 2021, Gravitational lithosphere removal process: from the ground surface to the deep mantle: AGU Abstracts, National Meeting, New Orleans.
158. Jepson, G.*, Carrapa, B., Gillespie, J., Ran Feng, R., Peter DeCelles, P., Clay Tabor, C., and Zhu, J., 2021, Climate as the great equalizer of continental-scale erosion: EGU General Assembly, Vienna, Austria.

157. Carrapa, B.* and DeCelles, P.G., 2020, Resolving source-to-sink dynamics by multi-proxy drata from the North and South American continental sedimentary archives: GSA Abstracts, National Meeting, Montreal.
156. Hayes, R.G.* and DeCelles, P.G., 2020, An in-depth investigation of the Shinarump deposition near Hurricane, UT and the Vermilion Cliffs, AZ: GSA Abstracts, National Meeting, Montreal.
155. Currie, C.*, Wang, H., and DeCelles, P.G., 2019, Surface records of orogenic lithosphere removal: hinterland basins and magmatism in the central Andes: AGU Abstracts, National Meeting, San Francisco.
154. Carrapa, B.*, DeCelles, P.G., and Constenius, K.N., 2019, How far does the keel go? Archean basement control on the Laramide orogeny: AGU Abstracts, National Meeting, San Francisco.
153. Lama Sherpa, T.*, DeCelles, P.G., and Carrapa, B., 2019, Bhumichula Plateau: a remnant surface of a relict landscape or in situ low relief high elevation surface in the Himalayan thrust belt of western Nepal? AGU Abstracts, National Meeting, San Francisco.
152. Haq, Z.*, Geissman, J.W., and DeCelles, P.G., 2019, Toward a magnetic polarity stratigraphy of upper Cretaceous coarse-grained strata from the proximal cordilleran foreland basin, northeastern Utah: AGU Abstracts, National Meeting, San Francisco.
151. Lama Sherpa, T.*, DeCelles, P.G., and Carrapa, B., 2019, Exhumation history of the Bhumichula Plateau, western Nepal: Himalaya-Tibet-Karakoram Meeting, Bozeman, MT, abstracts.
150. Hayes, R.*, and DeCelles, P.G., 2019, A dynamic model for Chinle deposystem subsidence: GSA Abstracts, National Meeting, Phoenix.
149. DeCelles, P.G.*, 2019, Himalayan thrust belt propagation into its low-alpha foreland: Response to along-strike variations in erosion, sedimentation, and flexural subsidence: GSA Abstracts, National Meeting, Phoenix.
148. Lama Sherpa, T.*, DeCelles, P.G., and Carrapa, B., 2019, Exhumation history of the Bhumichula Plateau: a relict low relief surface in the Himalayan thrust belt of Nepal? : GSA Abstracts, National Meeting, Phoenix.
147. Kapp, P.*****, DeCelles, P.G., and Ding, L., 2019, Were Cenozoic basins, shortening, and magmatism in central Tibet caused by lithospheric dripping? GSA Abstracts, National Meeting, Phoenix.
146. Henriquez, S.*****, DeCelles, P.G., and Carrapa, B., 2019, The kinematic evolution of the Andean thrust belt at ca. 23°S, northwestern Argentina: GSA Abstracts, National Meeting, Phoenix.
145. Tian, Y.*****, and DeCelles, P.G., 2019, Provenance of the upper Triassic sandstone of the Sichuan basin, southeast China: GSA Abstracts, National Meeting, Phoenix.
144. Haque, Z.*, Geissman, J.W., and DeCelles, P.G., 2018, Paleomagnetic and rock magnetic data from mid-Cretaceous coarse-grained strata from the Cordilleran foreland basin: a means to test the two-phase tectonostratigraphic model: GSA Abstracts, National Meeting, Indianapolis.
143. Henriquez, S.*, DeCelles, P.G., Carrapa, B., 2018, Unraveling the Construction of the Northern Puna Plateau: How and When was it Formed? AGU Fall Meeting Abstracts 2018, T51F-0242
142. Henriquez, S.*, Carrapa, B., DeCelles, P.G., 2017, Exhumation of the Cordillera de Domeyko: Implications for Andean retroarc evolution between the Late Cretaceous and the Oligocene: AGU Fall Meeting Abstracts 2017, T23D-0648
141. Chapman, J.B.*, Scoggin, S.H., Kapp, P., Carrapa, B., Ducea, M.N., Worthington, J., DeCelles, P.G., Oimahmadov, I., Gadoev, 2017, Magmatic evidence for localized lithospheric delamination resulting from continental collision in the Pamir-Tibet orogeny, GSA Abstracts, National Meeting, Seattle.
140. Leary, R.J.*, DeCelles, P.G., Quade, J., and Kapp, P., 2016, The Liuqu Conglomerate, southern Tibet: Age and paleoclimate: GSA Abstracts, National Meeting, Denver.
139. Leary, R.J.*, Orme, D.A., Laskowski, A., DeCelles, P.G., Kapp, P., Carrapa, B., and Dettinger, M., 2016, Slab-driven formation of the Kailas basin within the India-Asia suture zone, southern Tibet:

GSA Abstracts, National Meeting, Denver.

138. Chapman, J.B.*, Carrapa, B., Ballato, P. DeCelles, P.G., Worthington, J., Oimahmadov, I., Gadoev, M., and Ketcham, R.A., 2016, Thermokinematic modeling of shortening in the Tajik fold and thrust belt: implications for intracontinental subduction beneath the Pamir Mountains: GSA Abstracts, National Meeting, Denver.
137. Carrapa, B.*, DeCelles, P.G., Armenta, M., and Constenius, K., 2016, Timing of exhumation of Laramide ranges in Montana and Wyoming and implications for flat-slab subduction processes: GSA Abstracts, National Meeting, Denver.
136. DeCelles, P.G.*, 2016, Basins after Bill: departures from the norm in orogenic hinterlands: GSA Abstracts, National Meeting, Denver.
135. Chapman, J.B.*, Ducea, M.N., Kapp, P., Gehrels, G.E., and DeCelles, P.G., 2016, Spatial isotopic trends in magmatism associated with cordilleran orogens: GSA Abstracts, National Meeting, Denver.
134. Wolff, S.*, Carrapa, B., and DeCelles, P.G., 2016, Constraining exhumation of the North American Cordillera by multiple low-temperature thermochronology of Upper Cretaceous foreland basin deposits: GSA Abstracts, National Meeting, Denver.
133. Profeta, L.*, Ducea, M.N., Chapman, J.B., Paterson, S.R., Gonzales, S.M., Kirsch, M., Petrescu, L., and DeCelles, P.G., 2016: GSA Abstracts, National Meeting, Denver.
132. Wang, H.*, Currie, C., and DeCelles, P.G., 2015, Foundering lithosphere triggers transient basins and backarc magmatism at subduction zones: AGU Abstracts, National Meeting, San Francisco.
131. Currie, C.*, Wang, H., and DeCelles, P.G., 2015, Recycling the Andes: Surface expressions of lithosphere removal: AGU Abstracts, National Meeting, San Francisco.
130. Ojha, T.P.*, and DeCelles, P.G., Landslide distribution before and after the 2015 Gorkha earthquakes in central Nepal: relationships with dip slopes and villages: GSA Abstracts, National Meeting, Baltimore.
129. DeCelles, P.G.*, Carrapa, B., Cross, E.R., Ojha, T.P., Reiners, P.W., 2015, Along-Strike Variability in Erosion of the Nepalese Himalayan Thrust Belt: AGU Abstracts, National Meeting, San Francisco.
128. DeCelles, P.G.*, 2015, Structural-Kinematic Setting of the 2015 Gorkha, Nepal Earthquakes: Lessons from a Critically Tapered Orogenic Wedge: GSA Abstracts, National Meeting, Baltimore.
127. Ojha, T.P.*, and DeCelles, P.G., 2014, Relationships among landslides, slope geometry, and river steepness: ESRI User Conference, July 14–18, 2014 in San Diego, California.
126. Orme, D.A.*, Carrapa, B., DeCelles, P.G., 2014, Evolution of sedimentary basins along the Indus-Yarlung Suture Zone, southern Tibet: Implications for the timing of the initial stages of the India-Asia Collision, GSA Annual Meeting, Vancouver, October 2014.
125. Orme, D.A.*, Carrapa, B., DeCelles, P.G., Kapp, P., and Waldrip, R., 2014, Evolution of sedimentary basins along the Indus-Yarlung Suture Zone, southern Tibet: Insight from sedimentology and geo-thermochronology, Geological Society of America Penrose Conference: Linkages and Feedbacks in Orogenic Processes, Asheville, NC, April 2014.
124. Carrapa, B.*, DeCelles, P.G., Orme D. and Kapp P., 2014, Exhumation of the High Himalaya in the Mt. Everest region and India-Asia collision zone: implications for Himalayan tectonics, TopoEurope Workshop, Barcelona, Spain.
123. DeCelles, P.G.*, Carrapa, B., Wang, H., Currie, C.A., 2014, Hinterland "Bobber" Basins as Recorders of Lithospheric Removal in the Central Andes: TopoEurope Workshop, Barcelona, Spain.
122. Chapman, J.B.*, and DeCelles, P.G., 2014, Linkages between patterns of foreland basin sedimentation and thrust belt evolution: GSA abstracts, National Meeting, Vancouver.
121. Ojha, T.P., and DeCelles, P.G., 2014, Spatial Coupling Among Landslides, Geological Structures, Cataclinal Slopes, and Fluvial Knick Zones in Nepal Himalayas: AGU Fall Meeting Abstracts.
120. Romero-Armenta, M.C.*, Carrapa, B., and DeCelles, P.G., 2014, Low-Temperature

Thermochronology of Laramide Ranges in Montana and Wyoming Provides Information on Exhumation and Tectonics Associated with Flat-Slab Subduction: AGU Fall Meeting Abstracts.

119. Romero-Armenta, M.C.*, Carrapa, B., and DeCelles, P.G., 2014, Timing of exhumation of Laramide ranges in Montana constrained by detrital and in-situ apatite fission track thermochronology: GSA abstracts, National Meeting, Vancouver.
118. DeCelles, P.G.*, Painter, C., Carrapa, B., Leary, R.J., and Gehrels, G.E., 2013, Detrital multi-dating of Cordilleran foreland basin clastic rocks: implications for foreland basin stratigraphic models: GSA Abstracts, National Meeting, Denver.
117. Carrapa, B.*, DeCelles, P.G., Kapp, P., Reiners, P.W., Lippert, P.C., Leary, R.J., and Waldrip, W.R., 2013, Rapid Miocene burial, exhumation and uplift of the suture zone in Tibet: evidence from multi-proxy isotopic analyses of the Oligo-Miocene Kailas Formation: GSA abstracts, National Meeting, Denver.
116. Laskowski, A.K.*, DeCelles, P.G., and Gehrels, G.E., 2013, Detrital zircon geochronology of Cordilleran retroarc foreland basin strata reveals changes in provenance, magmatism, and orogenic exhumation across the Sevier to Laramide transition: GSA abstracts, National Meeting, Denver.
115. Guenthner, W.R.*, Reiners, P.W., DeCelles, P.G., and Kendall, J., 2013, Sevier-belt exhumation in central Utah constrained from complex zircon (U-Th)/He datasets: radiation damage and He inheritance effects on partially reset detrital zircons: GSA abstracts, National Meeting, Denver.
114. Cross, E.R.*, and DeCelles, P.G., 2013, The structure of the Lesser Himalaya of central Nepal: GSA abstracts, National Meeting, Denver.
113. DeCelles, P.G.*, Carrapa, B., Horton, B.K., McNabb, J., 2011, Cordilleran Hinterland Basins as Recorders of Lithospheric Removal in the Central Andes, AGU, Fall Meet Abstracts.
112. Painter, C.S.*, York, C.C., Carrapa, B., DeCelles P.G., and Gehrels, G.E., 2011, Geochronology and thermochronology of upper Cretaceous and Paleocene deposits int eh Charleston-Nebo salient and their distal foreland equivalents: GSA Annual Meeting Abstracts.
111. Canavan, R.R.*, Clementz, M.T., Carrapa, B., Quade, J., DeCelles, P., Schoenbohm, L.M., 2011, Paleoelevation of the Puna Plateau (northwestern Argentina) inferred from geochemical analyses of volcanic glass: GSA Annual Meeting Abstracts.
110. Painter, C.S.*, Carrapa, B., and DeCelles, P.G., 2011, Thermochronology of Upper Cretaceous and Paleocene Deposits in the Central Cordilleran Foreland Basin: AGU Fall Meeting Abstracts.
109. Carrapa, B.*, DeCelles, P.G., Bywater-Reyes, S., Mortimer, E., Huntington, K.W., Clementz, M.T., 2011, Cenozoic record of paleotopography and paleoenvironment in the Central Andes of NW Argentina: AGU Fall Meeting Abstracts.
108. Johnson, B.*, Ducea, M.N., Katz, D.A., Playton, T., Luffi, P.I., DeCelles, P.G., 2011, Spatially controlled carbonate U-Pb geochronology using LA-ICP-MS: AGU Fall Meeting Abstracts.
107. Quade, J.*, Dettinger, M.P., DeCelles, P.G., Leary, R., Kapp, P.A., 2011, Paleoatimetry of southern Tibet and the central Andes: AGU Fall Meeting Abstracts.
106. Currie, C.A.*, Ducea, M.N., DeCelles, P.G., Zandt, G., Gray, G., Beaumont, C., 2011, Numerical models of the formation and removal of eclogite roots in Cordilleran volcanic arcs: AGU Fall Meeting Abstracts.
105. Pearson, D.M., Kapp, P.A., DeCelles, P.G., and Reiners, P.W., 2010, Missing shortening in the thick-skinned retroarc thrust belt of the central Andes, northwestern Argentina ~ 25° S: AGU Fall Meeting Abstracts.
104. Kapp, P.A., DeCelles, P.G., Ding, L., van Hinsbergen, D.J., 2010, Cretaceous-Cenozoic Geological Evolution of Tibet: Tectonic Interpretations and Outstanding Questions: AGU Fall Meeting Abstracts.

103. Canavan, R., Clementz, M.T., Carrapa, B., Quade, J., DeCelles, P.G., Schoenbohm, L.M., and Boyd, J., 2010, Paleoelevation of the Puna Plateau, northwestern (NW) Argentina inferred from deuterium isotopic analyses of volcanic glass: AGU Fall Meeting Abstracts, 1, 1525.
102. Laskowski, A.*, Gehrels, G.G., and DeCelles, P.G., 2010, Refining the uplift history of Sevier and Laramide-style structures using detrital zircon geochronology, southwest Montana overlap zone: GSA abstracts, National meeting Denver.
101. Fan, M.*, DeCelles, P.G., 2010, Late Paleocene-early Eocene accelerated Laramide deformation, exhumation, and elevation gain in Wyoming: GSA abstracts, National meeting Denver.
100. Reiners, P.W.*, Vernon, A., Zattin, M., Gehrels, G., DeCelles, P.G., Thomson, S.N., Quade, J., Pearson, D., Murray, K., Cavazza, W., 2010, Detrital thermochronology and growth of the central Andes: GSA abstracts, National meeting Denver.
99. DeCelles, P.G.*, and 9 others, 2009, Cyclic Behavior in Cordilleran Orogenic Systems: GSA Abstracts with Programs.
98. Carrapa, B.*, Schoenbohm, L., DeCelles, P.G., Clementz, M., Hungtington, K., 2009, Surface response to lithospheric delamination: an example from the Puna Plateau of NW Argentina: GSA Abstracts with Programs.
97. Fan, M.*, DeCelles, P.G., Gehrels, G.E., Dettman, D.L., Peyton, S.L., 2008, Sedimentology, detrital zircon geochronology, and stable isotope paleoaltimetry of the Early Eocene Wind River Basin, Wyoming: AGU, Fall Meet. Suppl.
96. DeCelles, P.G.*, Kapp, P., and Quade, J., 2008, A Tale of Two Tibets: Oligo-Miocene basin development in the Bangong and Yarlung suture zones: AGU, Fall Meet. Suppl.
95. DeCelles, P.G.*, Carrapa, B., Horton, B.K., Starck, D., Gehrels, G.E., 2008, Foreland Basin Evolution in NW Argentina and implications for Timing of Andean Orogenesis: XVII Congreso Geológico Argentino, Actas, Octubre 2008, ISBN 978-987-22403-1-8, p. 1281.
94. Carrapa, B.*, DeCelles, P.G., Reiners, P., Gehrels, G., 2008, Exhumation and basin evolution of the Puna Plateau of NW Argentina revealed by a multi geo-thermochronological approach. Goldschmidt, Vancouver.
93. Saylor, J.*, DeCelles, P., Gehrels, G., and Kapp, P., 2007, Provenance and basin evolution, Zhada basin, southwestern Tibet: Eos Trans. AGU, v. 88(52), p. Fall Meet. Suppl., Abstract T23C-1544.
92. Saylor, J.*, DeCelles, P., Gehrels, G., 2007, Origin of the Zhada Basin, SW Tibet: A tectonically dammed paleo-river valley, GSA Abstracts with Programs, Vol. 39, No. 6, p. 437.
91. DeCelles, P.G.*, Carrapa, B., Horton, B.K., Starck, D., and Gehrels, G.E., 2007, Implications of Paleogene Foreland Basin Evolution in NW Argentina for Timing of Andean Orogenesis: AGU Fall Meeting Supplement.
90. Carrapa, B.*, DeCelles, P.G., Gupta, S., and Sudo, M., 2007, Using the foreland basin record to constrain orogenic evolution: a multi-thermochronological approach from the Alps, Andes and North America Cordillera: AGU Fall Meeting Supplement.
89. Leier, A.*, Quade, J., DeCelles, P.G., and Kapp, P., 2006, Diagenetically altered oxygen isotope values of nonmarine carbonate in the Lhasa terrane with implications for paleoelevations studies of Tibet: GSA abstracts with programs, v. 38.
88. Quade, J.*, Saylor, J., Fan, M., Dettman, D., DeCelles, P., and Kapp, P., 2006, Calibration and application of the Tibetan paleoaltimeter, Eos Transactions, AGU 87(52), Fall meeting Supplement.
87. Kapp, P., DeCelles, P.G.*, and Ding, L., 2006, Cretaceous-Tertiary growth of the Tibetan orogen: Eos Trans. AGU Fall Meet. Suppl.
86. DeCelles, P.G.*, and Kapp, P., 2006, Cretaceous-mid Tertiary basin development in the central Tibetan Plateau: Changing environments in response to changing climate, tectonic partitioning, and elevation gain: Eos Trans. AGU Fall Meet. Suppl.

85. Carrapa, B.*, DeCelles, P.G., and Gehrels, G.E., 2006, A Multidisciplinary provenance study of Eocene sedimentary rocks preserved in the Argentine Puna Plateau: Implications for early foreland basin development: GSA Abstracts with Programs Vol. 38.
84. DeCelles, P.G.*, 2006, The geodynamic significance of supersols in the stratigraphic record: GSA Abstracts with Programs Vol. 38.
83. Carrapa, B.*, and DeCelles, P.G., 2006, Eocene detrital record of the Argentina Puna: implications for early plateau development: Geological Society of America, Backbone of the Americas meeting, Mendoza, Argentina.
82. DeCelles, P.G.*, Ducea, M., Zandt, G., and Kapp, P., 2006, A tectono-magmatic cycle that links shortening in thrust belts with arc magmatism, lithosphere delamination, and recycling of continental crust: AAPG Annual Convention, Houston, p. 24.
81. DeCelles, P.G.*, Horton, B.K., and Carrapa, B., 2006, A Comparison of the North American and South American Retroarc Foreland Basin Systems: Geological Society of America, Backbone of the Americas meeting, Mendoza, Argentina.
80. Saylor, J. E.*, DeCelles, P. G., Quade, J., Kapp, P., 2005, Deconvoluting Himalayan Climate and Tectonics Based on Zada Basin Sediments, Southwestern Tibet, in, Eos Trans. AGU, 86(52), Fall Meet. Suppl., Abstract T32C-05.
79. DeCelles, P.G., Kapp, P., Quade, J., and Fan, M.*, 2005, High and dry: central Tibetan Plateau during the mid-Tertiary: Eos Trans. AGU Fall Meet. Suppl.
78. Saylor, J.*, DeCelles, P.G., Kapp, P., and Quade, J., 2005, Deconvoluting Himalayan climate and tectonics based on Zada Basin: Eos Trans. AGU 86 Fall Meet. Suppl., Abstract.
77. DeCelles, P.G.*, Ducea, M., and Zandt, G., 2005, Linkages Between Lithospheric Shortening, Magmatism, and Continental Plateau Formation: GSA Abstracts with Programs Vol. 37.
76. Leier, A.L., Eisenberg, D.A., Kapp, P., and DeCelles, P.G., 2004, Evidence of Cretaceous foreland basins systems in the Lhasa Terrane and implications for the tectonic evolution of southern Tibet, Eos Trans. AGU 85 (47) Fall Meet. Suppl., Abstract T53A-467.
75. Najman, Y.*, DeCelles, P.G., Gehrels, G.E., Martin, A.J., and Garzanti, E., 2004, Provenance of early foreland basin sediments, Nepal: constraints to the timing and diachroneity of early Himalayan orogenesis, Eos Trans. AGU 85 (47) Fall Meet. Suppl., Abstract.
74. Martin, A.J., DeCelles, P.G., Gehrels, G.E., Ganguly, J., and Patchett, P.J., 2004, Tectonic evolution of the southern Annapurna range, central Nepal Himalaya, and implications for mid-crustal channel flow: Geological Society of London, Special Conference on Crustal Channel Flow.
73. DeCelles, P.G.*, Gehrels, G.E., Kapp, P., Martin, A.J., Robinson, D.M., Copeland, P., Patchett, P.J., and Pearson, O.N., 2004, Kinematic and Erosional Histories of the Nepalese Himalayan Fold-Thrust Belt: Implications for Mid-Crustal Channel Flow: Geological Society of London, Special Conference on Crustal Channel Flow.
72. Robinson, D.M.*, DeCelles, P.G., and Pearson, O.N. 2004, Evaluating a mid-crustal channel flow model for the Himalaya in Western Nepal: Geological Society of London, Special Conference on Crustal Channel Flow.
71. DeCelles, P.G.*, Kapp, P., Leier, A., Quade, J., Fan, M., 2004, Cretaceous-Tertiary basin evolution in the Lhasa terrane of southern Tibet: Responses to terrane collision, arc-trench tectonics, and progressive underthrusting of Greater India: GSA Abstracts with Programs Vol. 36, No. 5.
70. Zandt, G.*, and DeCelles, P.G., 2004, The role of the mantle lithosphere in the development of convergent systems: comparison of the Andean and Himalayan-Tibetan orogens: GSA Abstracts with Programs Vol. 36, No. 5.
69. Volkmer, J.*, Kapp, P.A., DeCelles, P.G., Horton, B.K., 2004, Structure and stratigraphy of the northern Lhasa terrane, Tibet: GSA Abstracts with Programs Vol. 36, No. 5.

68. Kapp, P.*, DeCelles, P.G., He, S., 2004, The Gangdese retroarc fold-thrust belt revealed: GSA Abstracts with Programs Vol. 36, No. 5.
67. Leier, A.*, DeCelles, P.G., and Pelletier, J., 2004, Mountains, monsoons, and fluvial megafans: GSA Abstracts with Programs Vol. 36, No. 5.
66. DeCelles, P.G.*, G. E. Gehrels, D. M. Robinson, O. N. Pearson, A. Martin, T. P. Ojha, J. Quade, B. N. Upreti, and P. Copeland, 2004, Kinematic history of the Nepalese Himalayan fold-thrust belt: Keynote lecture, 32nd IGC, Florence, Italy.
65. Robinson, D.M.*, and DeCelles, P.G., 2002, Rates of Shortening in the Himalayan Fold-Thrust Belt, western Nepal, GSA Abstracts with Programs, v. 34.
64. Barbeau, D.L*, and DeCelles, P.G., 2002, Geometry, chronology and style of ARM foreland and intraforeland basin development: an assessment of a "soft" contractional southern margin of late Paleozoic North America, American Association of Petroleum Geologists, Hedberg Research Conference Program.
63. Martin, A.*, DeCelles, P.G., and Patchett, J.P., 2002, Differentiating between models of MCT evolution in the Annapurna Range, Central Nepal Himalaya, AGU Fall Meeting, San Francisco.
62. Gehrels, G.E.*, DeCelles, P.G., Ojha, T.P., Upreti, B.N., 2002, Initiation of the Himalayan orogen as an early Paleozoic thin-skinned thrust belt: Geological Society of America Abstracts with Programs, v. 34, no. 6, p. 410.
61. DeCelles, P.G.*, Robinson, D.M., and Zandt, G., 2001, Implications of Crustal Shortening in the Himalayan Fold-Thrust Belt for the Tibetan Plateau: EOS, Transactions of the American Geophysical Union, abstracts with programs, v. 82, p. F1124.
60. Pearson, O.*, DeCelles, P.G., Robinson, D.M., and Gillis, R., 2001, Structural and microstructural geology of the Ramgarh thrust sheet, far-western Nepal: EOS, Transactions of the American Geophysical Union, abstracts with programs, v. 82, p. F1125.
59. Pearson, O.*, DeCelles, P.G., Ducea, M., and Ojha, T.P., 2001, Structural evolution of the Himalayan fold-thrust belt in central Nepal: GSA Abstracts with Programs, Boston, v. 82.
58. McQuarrie, N. Horton, B.K., Zandt, G., Beck, S., and DeCelles, P.G., 2001, Lithospheric Evolution of the Central Andean Fold-Thrust Belt: Making a High Elevation Plateau: EOS, Transactions of the American Geophysical Union, abstracts with programs, v. 82, p. F1160.
57. Robinson, D.M.*, Garzione, C.N., DeCelles, P.G., and Pearson, O., 2001, Kinematic alternative to reactivation of the Main Central thrust, Nepal: EOS, Transactions of the American Geophysical Union, abstracts with programs, v. 82, p. F1125.
56. Garzione, C.N.*, Quade, J., DeCelles, P.G., and English, N.B., 2000, Predicting paleoelevation of Tibet and the Himalaya from an empirical relationship between □^{18}O vs. altitude in meteoric water across the Nepal Himalaya: EOS, Transactions of the American Geophysical Union, abstracts with programs, v. 81, p. F1139.
55. Robinson, D. M., DeCelles, P. G.*, and Patchett, P. J., 2000, Revealing the unroofing history of the Nepalese Himalaya using Neodymium isotopes: Geological Society of America Abstracts with Programs, v. 32, p. A33.
54. McQuarrie, N.* and DeCelles, P.G., 2000, Backthrusts, megathrusts and the construction of the Andean Plateau: EOS, Transactions of the American Geophysical Union, abstracts with programs, v. 81, p. 1118.
53. Robinson, D. M.*, DeCelles, P. G., and Gehrels, G. E., 2000, Contributions of Himalayan and Tibetan upper crustal shortening to thickening of the Tibetan Plateau, EOS, Transactions of the American Geophysical Union, abstracts with programs, V. 81.

52. DeCelles, P. G.*, Quade, J., Robinson, D.M., Gehrels, G. E., Ojha, T. P., English, N., and Copeland, P., 1999, How the kinematic history of the Himalayan fold-thrust belt controls seawater 87Sr/86Sr: Thrust Tectonics Conference, Royal Holloway University of London, p. 5-6.
51. DeCelles, P. G.* and Horton, B. K., 1999, Implications of early Tertiary foreland basin development for orogenesis in the central Andes: Eos Transactions, AGU, V. 80, p. F1052.
50. Gehrels, G. E.*, DeCelles, P. G., Quade, J., Lareau, B., and Spurlin, M., 1999, Tectonic implications of detrital zircon ages from the Himalayan orogen in Nepal: Geological Society of America Abstracts with Programs, p. A374.
49. Quade, J.*, Brooks-English, N., and DeCelles, P. G., 1999, Geological Society of America Abstracts with Programs: p. A374.
48. English, N. B.*, Quade, J., DeCelles, P. G., and Garzione, C. N., 1999, Geologic control of Sr and major element chemistry in Himalayan rivers, Nepal: Geological Society of America Abstracts with Programs, p. A298.
47. Robinson, D. M., DeCelles, P. G.*, Patchett, J. P., Garzione, C. N., and Isachsen, C., 1999, Regional paleotectonic history and characterization of the Lesser, Greater, and Tethyan Himalayan zones using Nd isotopes, Nepal: Geological Society of America Abstracts with Programs: p. A374.
46. Garzione, C. N.*, DeCelles, P. G., and Hodkinson, D. G., 1999, Late Miocene-Pliocene E-W extensional basin development in the southern Tibetan Plateau, Thakkhola Graben, Nepal: 14th Himalaya-Karakoram-Tibet Workshop Abstracts, p. 51-53.
45. Garzione, C. N.*, Quade, J., Dettman, D. L., and DeCelles, P. G., 1998, C and O isotopic evidence from Thakkhola graben paleosols and fossils, Nepal: Implications for Tibetan Plateau uplift history: Eos Transactions, AGU, V. 79, p. 814.
44. DeCelles, P. G.*, Gehrels, G. E., and Kapp, P. A., 1997, Constraints on Neogene Himalayan kinematic history from modal petrographic and detrital zircon provenance data, western Nepal: American Association of Petroleum Geologists, Annual Convention, Abstracts with Programs, p. A27.
43. Horton, B. K.*, DeCelles, P. G., and Currie, B. S., 1997, Comparison of the North American Cordilleran retroarc foreland with the modern central Andean foreland basin system: Geological Society of America Abstracts with Programs, 29, p. A203.
42. DeCelles, P. G.*, Gehrels, G. E., Kapp, P. A., Quade, J., and Ojha, T. P., 1996, Modal petrographic and detrital zircon provenance data from Siwaliks and Dumri sandstones, western and central Nepal: Eleventh international Himalayan-Karakoram-Tibet Workshop, Flagstaff, Arizona, p. 43.
41. Currie, B. S.*, and DeCelles, P. G., 1996, Long-term sediment accumulation in the Middle Jurassic-Eocene Cordilleran foreland basin system: reconciling stratigraphic and structural/metamorphic records of mountain building: Geological Society of America Abstracts with Programs, 28, p. A257.
40. Currie, B. S., Beck, S., DeCelles, P. G., Chase, C., Tindall, S., Kutney, M.*, Moore, J., and Haldar, J., 1996, A regional approach to geology field camp: mapping a transect from the Colorado Plateau through the Basin and Range, Utah and Nevada: Geological Society of America Abstracts with Programs, 28, p. A321.
39. DeCelles, P.G.*, Lawton, T.F., and Mitra, G., 1995, Timing of Sevier thrusting, central Utah Sevier fold-thrust belt: Geological Society of America, Rocky Mtn. Section, Abstracts with Programs, 27, no. 4, p. 8.
38. DeCelles, P.G.*, and Mitra, G., 1995, History of northeast Utah Sevier orogenic wedge in terms of critical taper models: Geological Society of America, Rocky Mtn. Section, Abstracts with Programs, 27, no. 4, p. 8.
37. Lawton, T.F.*, Sprinkel, D.A., DeCelles, P.G., and Waanders, G., 1995, Cretaceous nonmarine stratigraphy of thrust belt and proximal foreland basin, Sevier belt of central Utah, USA: Geological Society of America, Rocky Mtn. Section, Abstracts with Programs, 27, no. 4, p. 43.

36. DeCelles, P. G.*, and Cavazza, W., 1995, Deposition of upper Messinian conglomerates in Calabria in response to orogenic wedge adjustment following Mediterranean sea-level changes: EOS abstracts, p. F621.
35. Mitra, G.*, Sussman, A.J., Pequera, N., DeCelles, P.G., and Coogan, J.C., 1995, Structural evolution of the Canyon Range, Sevier orogenic wedge: implications for critical wedge taper: Geological Society of America, Rocky Mtn. Section, Abstracts with Programs, 27, no. 4, p. 47.
34. Coogan, J.C.*, DeCelles, P.G., Mitra, G., and Sussman, A.J., 1995, New regional balanced cross section across the Sevier Desert region and central Utah thrust belt: Geological Society of America, Rocky Mtn. Section, Abstracts with Programs, 27, no. 4, p. 7.
33. Rhoades, M.L.*, and DeCelles, P.G., 1995, The provenance of middle Tertiary sandstones of the San Emigdio Range and Tehachapi Range, southern California: AAPG, SEPM, SEG Pacific Section Meeting, abstracts with program.
32. Cavazza, W.*, and DeCelles, P. G., 1995, Ductile extensional deformation and Miocene supra-detachment sedimentation in the Saint Florent basin (northern Corsica, France): 1995 Annual Meeting - IGCP Project No. 369, Mamaia (Romania), Abstracts and Program Volume, p. 25.
31. DeCelles, P.G.*, Mitra, G., and Lawton, T.F., 1993, The Canyon Range culmination, central Utah Sevier thrust belt: longterm control on synorogenic sedimentation in Cordilleran foreland basin: Geological Society of America Abstracts with Programs, 25.
30. Cole, R.B.*, and DeCelles, P.G., 1993, Control by ridge-trench interactions on mid-Tertiary basin development and volcanism, western California: Geological Society of America Abstracts with Programs, 25, in press.
29. DeCelles, P.G.*, Pile, H.T., and Currie, B.S., 1992, Regional stratigraphic analysis of Jurassic-Cretaceous nonmarine rocks, central Western Interior Basin: SEPM Theme Meeting on Western Interior Basin, Ft. Collins, CO, 22.
28. DeCelles, P.G.*, 1992, 20 Ma of synorogenic sedimentation in response to growth of the Wasatch culmination, NE Utah: SEPM Theme Meeting on Western Interior Basin, Ft. Collins, CO, 22.
27. DeCelles, P.G.*, and Burden, E.T., 1992, A field test of theoretical models of overfilled foreland basins, central Wyoming: American Association of Petroleum Geologists Bulletin, 77,
26. Ridgway, K.D.*, DeCelles, P.G., and Cole, R.B., 1992, Influence of Laramide thrusting on Paleogene alluvial-fan conglomerates, Bighorn Range, Wyoming: SEPM Theme Meeting on Western Interior Basin, Ft. Collins, CO, 56.
25. Cole, R.B.*, and DeCelles, P.G., 1991, Sedimentology and petrography as indicators of variable depositional processes within a progradational pyroclastic sequence, southern San Joaquin basin, California: Geological Society of America, Abstracts with Programs, 23, 14.
24. Ridgway, K.D.*, Cole, R.B., and DeCelles, P.G., 1991, Unroofing history, alluvial-fan facies and deformation of Paleogene synorogenic conglomerates, Bighorn Range, Wyoming: Geological Society of America, Abstracts with Programs, 23, A131.
23. Ridgway, K.D.*, and DeCelles, P.G., 1991, Tectonic controls on depositional systems in nonmarine strike-slip basins: Denali fault system, Yukon Territory: Geological Society of America, Abstracts with Programs, 23, A92.
22. Ridgway, K.D., and DeCelles, P.G., 1991, Stream-dominated alluvial-fan and lacustrine depositional systems in Cenozoic strike-slip basins, Denali fault system, Yukon Territory, Canada: Geological Society of America, Abstracts with Programs, 23, A462.
21. Cavazza, W.*, and DeCelles, P.G., 1991, Geometric reconstruction of Miocene submarine canyons in eastern Calabria (southern Italy): International Association of Sedimentologists, Bergen, Norway.
20. DeCelles, P.G.*, 1990, Comparison of a major syntaxial foreland-basin fluvial system in the Cretaceous Cloverly Formation of central Wyoming with fluvial systems in the Andean foreland basin

of Peru and Bolivia: Geological Society of America, Rocky Mountain Section, Abstracts with Programs, 22, A7-A8.

19. DeCelles, P.G.*, and Gray, M.B., 1990, Use of synorogenic conglomerates to retrodeform thrust-faulted uplifts: 13th International Sedimentological Congress, International Association of Sedimentologists, Nottingham, 125-126.
18. DeCelles, P.G., Gray, M.B.*, Ridgway, K.D., Pequera, N., Cole, R.B., Srivastava, P., and Pivnik, D.A., 1990, Constraints on kinematics of foreland uplift from structural and conglomerate provenance data, Beartooth Range, Montana and Wyoming: Geological Society of America, Rocky Mountain Section, Abstracts with Programs, 22, A8.
17. Ridgway, K.D.*, and DeCelles, P.G., 1990, Convergent and divergent strike-slip basins along the Denali fault system, St. Elias Mountains, Yukon Territory, Canada: Geological Society of America, Abstracts with Programs, 22, A228.
16. Cole, R.B.*, and DeCelles, P.G., 1990, Tectonic implications of Early Miocene volcanic rocks, San Joaquin basin: American Association Petroleum Geologists Bulletin, 74, 631.
15. Graham, S.A.*, DeCelles, P.G., Carroll, A.R., and Goodman, E.D., 1990, Middle Tertiary contractile deformation, uplift, extension, and rotation in the San Emigdio Range, southern California: American Association Petroleum Geologists Bulletin, 74, 665.
14. Sharma, M.*, Cole, R.B., DeCelles, P.G., and Basu, A.R., 1990, Basalt-dacite volcanism by MORB-continental crust interaction: Sr-Nd isotopic and trace elemental evidence, Tecuya volcanics, southern California: American Geophysical Union Midyear Meeting Abstracts, 71, 665.
13. DeCelles, P.G.*, Cole, R.B., Gray, M.B., Pequera, N., Ridgway, K.D., Pivnik, D., and Srivastava, P., 1989, Paleocene-Eocene synorogenic sedimentation, northwestern Wyoming, U.S.A.: International Association of Sedimentologists, International Fluvial Congress, Barcelona, 117.
12. Ridgway, K.D.*, Cameron, A., Sweet, A.R., and DeCelles, P.G., 1989, Evolution of a strike-slip basin as defined by sedimentology, palynology and organic petrology, St. Elias Mountains, Yukon Territory, Canada: Geological Society of America, Abstracts with Programs, 21, A50.
11. Cole, R.B.*, Ridgway, K.D., and DeCelles, P.G., 1989, Late-stage deposition within a Cenozoic strike-slip basin: fluvial/basalt/pyroclastic transitions, St. Elias Mountains, Yukon Territory, Canada: Geological Society of America, Abstracts with Programs, 21, A128.
10. Sharma, M., Basu, A.R.*, and DeCelles, P.G., 1989, Nd-Sr isotopes and trace element geochemistry of Amazonian fluvial sands from Bolivia and Peru: implications for magma contamination in the Central Volcanic Zone (CVZ) and tectonics of the Andes: Geological Society of America, Abstracts with Programs, 21, A190.
9. Meyers, J.H.*, Schwartz, R.K., and DeCelles, P.G., 1989, Influence of pre-Laramide tectonic partitioning of the Wyoming foreland basin on Early Cretaceous sedimentation, Geological Society of America, Abstracts with Programs, 20, 117.
8. DeCelles, P.G.*, 1988, Eustatic vs. tectonic controls on middle Cenozoic sedimentation in the San Joaquin basin, California: Geological Society of America, Abstracts with Programs, 20, A379-A380.
7. Schwartz, R.K.*, and DeCelles, P.G., 1987, Temporally linked thrusting, intraforeland uplift and progradational coarsening in the nascent (pre-Turonian) foreland of southwest Montana: Geological Society of America, Abstracts with Programs, 19, 836.
6. DeCelles, P.G.*, and Schmidt, C.J., 1987, Synorogenic sedimentation and timing of foreland thrusting, southwest Montana: Geological Society of America, Abstracts with Programs, 19, 638.
5. Suttner, L.J.*, DeCelles, P.G., and Berkhouse, G.A., 1985, Tectonic controls on Early Cretaceous sedimentation in the foreland basin of western Montana: International Association of Sedimentologists, International Symposium on Foreland Basins, Fribourg, 120.

4. DeCelles, P.G.*, 1984, Non-marine sedimentation in a tectonically partitioned foreland basin: the Kootenai Formation, southwestern Montana: Geological Society of America, Abstracts with Programs, 16.
3. DeCelles, P.G.*, and Gutschick, R.C., 1983, Mississippian wood-grained chert in western United States and its significance: Geological Society of America, Abstracts with Programs, 15, 555.
2. Schwartz, R.K.*, DeCelles, P.G., and Suttner, L.J., 1983, Tectonic control on Early Cretaceous foreland basin evolution and sedimentation in southwestern Montana: Geological Society of America, Abstracts with Programs, 15, 682.
1. DeCelles, P.G.*, 1982, Sediment dispersal in the lower Kootenai Formation (Lower Cretaceous), southwestern Montana: Geological Society of America, Abstracts with Programs, 14, 309.

GRADUATE THESES and DISSERTATIONS SUPERVISED (completed)

36. Sherpa, T.Z.L., 2024, Magnitude, Architecture, Timing and Rate of Regional Deformation and Metamorphism in the Himalayan thrust belt of Nepal: Ph.D. Dissertation, University of Arizona, 236 pp.
35. Felipe Rodrigues Ferroni, 2023, Paleozoic to Cenozoic History of Basin Subsidence in the Sub-Andean Zone of Bolivia and Argentina (21-22°S): Ph.D. Dissertation, University of Arizona, 240 pp.
34. Robert G. Hayes, 2022, Reconstructing Triassic Paleogeography of the Southwestern U.S.A. from the Moenkopi and Chinle Formations: Ph.D. Dissertation, University of Arizona, 197 pp. plus supplementary tables.
33. Lama Sherpa, T.Z., 2020, Tectonic Evolution of the Bhumichula Plateau: A high elevation low relief surface in western Nepalese Himalaya: Unpublished M.S. Thesis, University of Arizona, 77 p.
32. Henriquez, S.M., 2019, Tectono-thermal evolution of the thrust belt in the Central Andes between 23-24S: Ph.D. Dissertation, University of Arizona, 244 pp.
31. Chapman, J.B., V, 2018, Orogenic evolution of the Pamir Mountains: Ph.D. Dissertation, University of Arizona, 223 pp.
30. Leary, R., 2015, Post-collisional evolution of the India-Asia suture zone: basin development, paleogeography, paleoaltimetry, and paleoclimate: Ph.D. Dissertation, University of Arizona.
29. Cross, E.A., 2014, The structure, stratigraphy, and evolution of the Lesser Himalayan thrust belt of central Nepal: M.S. Thesis, University of Arizona, 98 pp.
28. Kortyna, C., 2013, Structural and thermochronologic constraints on kinematics, timing and shortening during inversion of the Salta rift into the Andean fold-thrust belt, northwest Argentina: M.S. Thesis, University of Arizona 72 pp.
27. Safipour, R., 2012, Shortening in the central Andes at the transition to flat-slab subduction: M.S. Thesis, University of Arizona, 89 pp.
26. Leary, R., 2011, Tectonic significance of the Ericson Formation, Rock Springs uplift, SW Wyoming: M.S. Thesis, University of Arizona 104 pp.
25. Umlauf, K., 2011, Insights into the Timing of Uplift Along the Western Edge of the Central Andes, Northern Chile, M.S. Thesis, University of Arizona, 77 pp.
24. Fuentes, F., 2010, Regional structure and foreland basin history of the northwestern Montana Cordilleran orogenic belt, Ph.D. Dissertation, University of Arizona.
23. Peyton, S.L., 2009, Low-temperature thermochronology of the Laramide ranges and eastward tranlation of shortening in the Sevier belt, Wyomin, Utah and Montana, Ph.D. Dissertation, University of Arizona, 183 pp.
22. Fan, M., 2009, Geochemistry and basin analysis of Laramide Rocky Mountain basins, Ph.D. Dissertation, University of Arizona.
21. Ojha, T.P., 2009, Magnetostratigraphy, topography and geology of the Nepal Himalaya: a GIS and

paleomagnetic approach, Ph.D. Dissertation, University of Arizona, 221 pp.
20. McBride, S., 2008, Sediment provenance and tectonic significance of the Cretaceous Pirgua Subgroup, NW Argentina: M. S. thesis, University of Arizona, 52 pp.
19. Saylor, J., 2008, The late Miocene through Modern evolution of the Zhada basin, south-western Tibet: Ph.D. Dissertation, University of Arizona, 306 pp.
18. Fabijanic, J.M., 2006, Synorogenic sediments in the central Lhasa terrane and implications for the tectonic history of the Tibet prior to the Indo-Asian collision: M.S. thesis, University of Arizona, 62 pp.
17. Leier, A.L., 2005, The Cretaceous evolution of the Lhasa terrane, southern Tibet: Ph.D. Dissertation, University of Arizona, 234 pp.
16. Martin, A.J., 2005, Tectonics of the southern Annapurna Range, central Nepal Himalaya: Ph.D. Dissertation, University of Arizona, 203 pp.
15. Barbeau, D.L., 2003, Application of growth strata and detrital-zircon geochronology to stratigraphic architecture and kinematic history: Ph.D. Dissertation, University of Arizona, 227 pp.
14. Pearson, O.N., 2002, Structural evolution of the central Nepal fold-thrust belt and regional tectonic and structural significance of the Ramgarh thrust: Ph.D. Dissertation, University of Arizona, 241 pp.
13. Robinson, D.M. 2001, Structural and Nd-isotopic evidence for the tectonic evolution of the Himalayan fold-thrust belt, western Nepal and the northern Tibetan Plateau: Ph.D. Dissertation, University of Arizona, 224 pp.
12. McQuarrie, N., 2001, The making of a high elevation orogenic plateau: the central Andes of Bolivia: Ph.D. Dissertation, University of Arizona, 255 pp.
11. Barbeau, D.L., 2000, A flexural model for the Paradox Basin: implications for the tectonics of the Ancestral Rocky Mountains: M. S. thesis, University of Arizona.
10. Garzione, C.N., 2000, Evolution of Thakkhola graben and Paleoelevation in the Southern Tibetan Plateau, Nepal: Ph.D. Dissertation, University of Arizona, 146 pp.
9. Horton, B.K., 1998, Late Cretaceous to Recent evolution of the foreland basin system and associated fold-thrust belt in the central Andes of Bolivia: Ph.D. Dissertation, University of Arizona, 208 pp.
8. Currie, B.S., 1997, Jurassic-Cretaceous evolution of the central Cordilleran foreland-basin system: Ph.D. Dissertation, University of Arizona, 275 pp.
7. Haldar, J.K., 1997, Evolution of Late Cretaceous-Paleocene nonmarine deposystems in the Thistle wedge-top basin, east central Utah: M. S. thesis, University of Arizona, 65 pp.
6. Currie, B.S., 1993, Sedimentology, stratigraphy and petrology of the Jurassic-Cretaceous Morrison and Cedar Mountain formations and relationships between nonmarine deposition and early Cordilleran foreland basin development, NE Utah-NW Colorado: M.S. thesis, University of Rochester, 91 pp.
5. Cole, R.B., 1993, Middle Tertiary sedimentation and volcanism in southern California along a convergent-to-transform plate boundary: Ph.D. dissertation, University of Rochester, 250 pp.
4. Rhoades, M.L., 1992, Provenance of middle Tertiary sandstones of the San Emigdio and Tehachapi Mountains, southern California; M.S. thesis, University of Rochester, 117 pp.
3. Ridgway, K.D., 1992, Cenozoic tectonics of the Denali fault system, Saint Elias Mountains, Yukon Territory: Synorogenic sedimentation, basin development, and deformation along a transform fault system: Ph.D. dissertation, University of Rochester, 400 pp.
2. Cole, R.B., 1989, Early Miocene volcanism in the southern San Joaquin basin, California: origin and tectonic implications based on facies analysis and trace element geochemistry: M.S. thesis, University of Rochester, 120 pp.

1. Pivnik, D.A., 1988, Compositional and sedimentological trends in Late Cretaceous Little Muddy Creek and Sphinx Conglomerates as signatures of timing and style of thrust-related deformation: M.S. thesis, University of Rochester, 122 pp.

COURSES TAUGHT

Undergraduate: Sedimentology & Stratigraphy, Introduction to Physical Geology, Summer Field Geology, Fieldcamp Preparation

Graduate: Advanced Physical Sedimentology, Thrust Belts & Foreland Basins, Basin Analysis, Orogenic Systems, Sedimentary Petrology, Sequence Stratigraphy, various seminars

GRADUATE STUDENTS AND POST-DOCS

Pivnik, D. A., 1988, M.S., now Vice President of Exploration and New Ventures, Apex International Energy.

Ridgway, K. D., 1992, Ph.D., now tenured Professor, Purdue University.

Cole, R. B., 1993, Ph.D., now tenured Professor and President, Allegheny College.

Rhoades, M. L., 1992, M.S., now Special Lecturer, St. John Fisher College, Rochester, NY.

Haldar, J. K., 1997, M. S., now Senior Vice President, Digital River.

Coogan, J.C., 1994-95, Postdoctoral scholar, now independent consultant.

Currie, B. S., 1997, Ph.D., now tenured Professor, Miami University.

Horton, B.K., 1998, Ph.D., now J. Nalle Gregory Chair in Sedimentary Geology, University of Texas, Austin.

Constenius, K.N., 1999-2001, Postdoctoral scholar, now private consultant in petroleum industry.

Garzione, C. N., 2000, Ph.D., now tenured Professor and Dean of College of Science, University of Arizona.

Barbeau, D. L., 2000, M. S., 2004 Ph.D., now tenured Associate Professor, University of South Carolina.

McQuarrie, N., 2001, Ph.D., now tenured Professor, University of Pittsburgh.

Robinson, D. M., 2001, Ph.D., now tenured Professor, University of Alabama.

Pearson, O.N., 2002, Ph.D., now Associate Science Center Director, U.S. Geological Survey, Denver.

Martin, A.J., 2005, Ph.D., now Assistant Term Professor, George Mason University.

Leier, A., 2005, Ph.D., now tenured Associate Professor, University of South Carolina.

Fuentes, F., 2005, M.S., 2010 Ph.D., now Senior Exploration Geologist, YPF, Argentina.

Fabijanic, M.J., 2005, M.S., now Exploration Geologist with ExxonMobil Corporation.

Saylor, J., 2008, Ph.D., now tenured Associate Professor, University of British Columbia.

Fan, M., 2009, Ph.D., now tenured Professor, University of Texas-Arlington.

Ojha, T.P., 2009, Ph.D., now Research Manager, University of Arizona.

Peyton, S.L., 2009, Ph.D., now owner-operator of Coal Creek Resources, Denver, CO.

Safipour, R., 2011, M.S., now in private enterprise Denver, CO area.

Umlauf, K., 2011, M.S., now with Conoco-Phillips.

Kortyna, C., 2013, M.S., now Postdoctoral Fellow, University of Connecticut.

Cross, E.A., 2014, M.S., now with Novi Labs, Austin, TX.

Leary, R.J., 2015, Ph.D., now Assistant Professor, New Mexico Institute of Technology.

Chapman, J.B., 2018, Ph.D., now Assistant Professor, University of Texas-El Paso.

Henriquez, S.M., 2019, Ph.D., now Assistant Professor, California State University, San Bernardino.

Sherpa, T.Z.L., 2020, M.S.; 2024, Ph.D., now Postdoctoral Scholar, University of Washington.

Hayes, R.G., 2022, Ph.D., now Postdoctoral Fellow, Friedrich-Alexander-Universität, Nuremburg, Germany.

Ferroni, F., 2023, Ph.D., now senior exploration geologist with Petrobras, Rio de Janiero.

Ronemus, C.B., current student, Ph.D. expected 2025.

RESEARCH GRANTS (DeCelles is lead P.I. unless listed otherwise; total funding ~$12,820,000)

2021-2025	Lithospheric Dripping in Central Tibet: Underappreciated Factor in Orogenic Plateau Development? National Science Foundation (co-PI is Paul Kapp).
2020-2025	Collaborative Research: TransANdean Great Orogeny (TANGO), National Science Foundation, (Lead PI is S.L. Beck).
2022	One-year supplement to Are Remnants of the Tibetan Plateau Preserved in the Southern Himalayan Thrust Belt? National Science Foundation.
2019-2022	Timing of cooling and exhumation of Laramide uplifts informs models of flat-slab subduction, National Science Foundation (co-PI is B. Carrapa).
2018-2021	Are Remnants of the Tibetan Plateau Preserved in the Southern Himalayan Thrust Belt? National Science Foundation.
2016-2019	Collaborative Research: Subduction Dynamics, Mantle Structure, and Cenozoic Tectonic Evolution of South America, National Science Foundation (co-P.I.s Lijun Liu and Susan Beck).
2015-2018	Collaborative Research: Tectonic Significance of Long Run-Out Coarse-Grained Facies in the Cordilleran Foreland Basin, National Science Foundation.
2016	In Search of the Edge of Tibet: Are High Plateau Remnants Preserved in the Himalaya? National Geographic Society.
2012-2014	Erosion and exhumation history of the Nepalese frontal Himalaya since earliest Miocene time: constraints on kinematic history, National Science Foundation.
2010-2013	Convergent Orogenic Systems Analysis-2: ExxonMobil.
2011-2014	Collaborative Research: The suturing process: Insight from the India-Asia collision zone (lead P.I. is P. Kapp).
2009-2010	One-year extension of Investigation of syncollisional extension and basin development in the high Himalaya: National Science Foundation.
2007-2008	A New Geological Map of Nepal: National Geographic Society.
2007-2010	Convergent Orogenic Systems Analysis: ExxonMobil.
2007-2010	Collaborative Research: Stratigraphic signatures of orogeny, assessing the timing of initial Andean crustal shortening: National Science Foundation.
2005-2008	Global Assessment of Fold-Thrust Belts and Foreland Basins: ExxonMobil.
2005-2007	Collaborative Research: Investigation of syncollisional extension and basin development in the high Himalaya: National Science Foundation.
2003-2006	Cretaceous-Earliest Tertiary Basin Development, Deformation, and Magmatism in Southern Tibet: Implications for Pre-Indo-Asian Collision Lithospheric Structure: National Science Foundation.

2003-2004	Geostructure Partnership, ExxonMobil.
2002-2004	A test of the out-of-sequence model for the Main Central thrust, western Nepal: National Science Foundation.
2002-2004	Dissertation support and fellowship for David Barbeau, ExxonMobil URC.
2002-2003	Geostructure Partnership, ExxonMobil.
2001-2003	Early Paleozoic tectonism in the Himalaya: National Science Foundation.
2001-2002	Geostructure Partnership, ExxonMobil.
1999-2001	3-D kinematic evolution of the Charleston-Nebo salient, Sevier fold-thrust belt: National Science Foundation.
1999-2001	Nd isotopic study of foreland basin sediments and source terranes of the Himalayan fold-thrust belt: Implications for regional tectonic history: National Science Foundation.
1998-2000	Late Cretaceous-Tertiary foreland basin evolution in the Eastern Cordillera of southern Bolivia: National Science Foundation.
1999-2000	Geostructure Partnership, British Petroleum.
	Geostructure Partnership, Conoco.
1998-1999	Geostructure Partnership, British Petroleum.
	Geostructure Partnership, Conoco.
1998	British Petroleum, for support of Ph.D. student Brian Horton's research in the Andes.
1998-2000	The 87Sr/86Sr record of Himalayan paleorivers during the Neogene: patterns and causes: National Science Foundation.
1996-1998	Kinematic history of a retroarc fold-thrust orogen: the Sevier orogenic belt, Utah and Wyoming: National Science Foundation.
1995-1997	Erosional unroofing of the Nepal Himalayas over the past 12 m.y.: $^{87}Sr/^{86}Sr$ and sedimentary petrological indicators from Siwalik foreland deposits: National Science Foundation.
1995	Miocene-Pliocene erosional unroofing of the Himalayan thrust belt, Nepal: University of Arizona Foundation.
1994	Cooperative research between the University of Arizona Geosciences Department and CogniSeis Development, Inc.: GeoSec software grant.
1993-1996	Tectonic controls on distal, thrust-derived sediment, Bighorn basin, Wyoming: National Science Foundation.
1993-1995	Reconstruction of thrust-wedge taper in the Wyoming-Utah Sevier thrust belt: National Science Foundation.
1992-1994	Incremental retrodeformation of NE Utah thrust belt using late Cretaceous-Paleocene synorogenic conglomerates: National Science Foundation.
1991-1993	Regional sequence-stratigraphic and geochronologic analysis of Cordilleran foreland basin, Wyoming and Idaho: National Science Foundation.
1990-1992	Middle Cenozoic syntectonic sedimentation along the Denali fault, Yukon Territory, Canada: American Chemical Society, Petroleum Research Fund.
1990-1991	Tectonic implications of Neogene submarine-slope clastics, southern Italy: National Science Foundation-NATO Fellowship.

1989	Acquisition of automated X-ray diffractometer: National Science Foundation.
1989-1991	Facies and provenance modeling of thrust-derived synorogenic conglomerates: National Science Foundation.
1988-1990	Regional tectonic-stratigraphic analysis of Late Jurassic-Early Cretaceous Cordilleran foreland basin: National Science Foundation.
1987-1989	Petrologic controls and tectonic setting of a middle Tertiary fan-delta sequence, southern California: American Chemical Society, Petroleum Research Fund.