

# Kip Hodges

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

181  
papers

11,812  
citations

57  
h-index

105  
g-index

210  
ext. papers

12,808  
ext. citations

8.6  
avg, IF

6.37  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 181 | Sediment provenance and silicic volcano-tectonic evolution of the northern East African Rift System from U/Pb and (U-Th)/He laser ablation double dating of detrital zircons. <i>Earth and Planetary Science Letters</i> , <b>2022</b> , 580, 117375             | 5.3  | 0         |
| 180 | An (U-Th)/He age for the small Monturaqui impact structure, Chile. <i>Quaternary Geochronology</i> , <b>2022</b> , 67, 101217  | 2.7  |           |
| 179 | Evidence against a Late Heavy Bombardment event on Vesta. <i>Earth and Planetary Science Letters</i> , <b>2022</b> , 590, 117576   | 5.3  | 0         |
| 178 | Interpreting and reporting $^{40}\text{Ar}/^{39}\text{Ar}$ geochronologic data. <i>Bulletin of the Geological Society of America</i> , <b>2021</b> , 133, 461-487  | 3.9  | 28        |
| 177 | Rapid cooling during late-stage orogenesis and implications for the collapse of the Scandian retrowedge, northern Scotland. <i>Journal of the Geological Society</i> , <b>2021</b> , 178, jgs2020-022  | 2.7  | 4         |
| 176 | Dendritic reidite from the Chesapeake Bay impact horizon, Ocean Drilling Program Site 1073 (offshore northeastern USA): A fingerprint of distal ejecta?. <i>Geology</i> , <b>2021</b> , 49, 201-205  | 5    | 3         |
| 175 | Sampling the Early Solar System. <i>Science</i> , <b>2020</b> , 370, 672-673   | 33.3 | 1         |
| 174 | Helium diffusion in zircon: Effects of anisotropy and radiation damage revealed by laser depth profiling. <i>Geochimica Et Cosmochimica Acta</i> , <b>2020</b> , 274, 45-62  | 5.5  | 7         |
| 173 | Climate controls on erosion in tectonically active landscapes. <i>Science Advances</i> , <b>2020</b> , 6,  | 14.3 | 25        |
| 172 | Mapping radiation damage zoning in zircon using Raman spectroscopy: Implications for zircon chronology. <i>Chemical Geology</i> , <b>2020</b> , 538, 119494  | 4.2  | 7         |
| 171 | Helium Diffusion in Natural Xenotime. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2019</b> , 20, 417-433  | 3.6  | 4         |
| 170 | (U-Th)/He zircon dating of Chesapeake Bay distal impact ejecta from ODP site 1073. <i>Meteoritics and Planetary Science</i> , <b>2019</b> , 54, 1840-1852  | 2.8  | 4         |
| 169 | Characterization of the rhyolite of Bodie Hills and $^{40}\text{Ar}/^{39}\text{Ar}$ intercalibration with Ar mineral standards. <i>Chemical Geology</i> , <b>2019</b> , 525, 282-302   | 4.2  | 12        |
| 168 | Exploring the variability of argon loss in Apollo 17 impact melt rock 77135 using high-spatial resolution $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. <i>Meteoritics and Planetary Science</i> , <b>2019</b> , 54, 721-739                                    | 2.8  | 4         |
| 167 | U/Pb and (U-Th-Sm)/He double dating of detrital apatite by laser ablation: A critical evaluation. <i>Chemical Geology</i> , <b>2019</b> , 506, 40-50   | 4.2  | 6         |
| 166 | The thermal evolution of Chinese central Tianshan and its implications: Insights from multi-method chronometry. <i>Tectonophysics</i> , <b>2018</b> , 722, 536-548   | 3.1  | 22        |
| 165 | Comment on Distinguishing slow cooling versus multiphase cooling and heating in zircon and apatite (U-Th)/He datasets: The case of the McClure Mountain syenite standard by Weisberg, Metcalf, and Flowers. <i>Chemical Geology</i> , <b>2018</b> , 498, 150-152 | 4.2  | 3         |

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|-----|--|------|-----|
| 164 | Structural relationship between the Karakoram and Longmu Co fault systems, southwestern Tibetan Plateau, revealed by ASTER remote sensing <b>2018</b> , 14, 1837-1850  |      | 2   |
| 163 | Exploration telepresence: A strategy for optimizing scientific research at remote space destinations. <i>Science Robotics</i> , <b>2017</b> , 2,   | 18.6 | 13  |
| 162 | Thermochronologic constraints on the slip history of the South Tibetan detachment system in the Everest region, southern Tibet. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 459, 105-117  | 5.3  | 25  |
| 161 | Empirical constraints on the effects of radiation damage on helium diffusion in zircon. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 218, 308-322  | 5.5  | 32  |
| 160 | Diffusive loss of argon in response to melt vein formation in polygenetic impact melt breccias. <i>Journal of Geophysical Research E: Planets</i> , <b>2017</b> , 122, 1650-1671   | 4.1  | 2   |
| 159 | Active shortening within the Himalayan orogenic wedge implied by the 2015 Gorkha earthquake. <i>Nature Geoscience</i> , <b>2016</b> , 9, 711-716   | 18.3 | 63  |
| 158 | Geological significance of $^{40}\text{Ar}/^{39}\text{Ar}$ mica dates across a mid-crustal continental plate margin, Connemara (Grampian orogeny, Irish Caledonides), and implications for the evolution of lithospheric collisions. <i>Canadian Journal of Earth Sciences</i> , <b>2016</b> , 53, 1258-1278 | 1.5  | 10  |
| 157 | Integrated single crystal laser ablation U/Pb and (U/Th)/He dating of detrital accessory minerals □ Proof-of-concept studies of titanites and zircons from the Fish Canyon tuff. <i>Geochimica Et Cosmochimica Acta</i> , <b>2016</b> , 178, 106-123   | 5.5  | 23  |
| 156 | In situ development of high-elevation, low-relief landscapes via duplex deformation in the Eastern Himalayan hinterland, Bhutan. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2016</b> , 121, 294-319  | 3.8  | 35  |
| 155 | A review of the handheld X-ray fluorescence spectrometer as a tool for field geologic investigations on Earth and in planetary surface exploration. <i>Applied Geochemistry</i> , <b>2016</b> , 72, 77-87  | 3.5  | 84  |
| 154 | Crustal Decoupling in Collisional Orogenesis: Examples from the East Greenland Caledonides and Himalaya. <i>Annual Review of Earth and Planetary Sciences</i> , <b>2016</b> , 44, 685-708  | 15.3 | 15  |
| 153 | ArAR DA software tool to promote the robust comparison of $\text{KAr}$ and $^{40}\text{Ar}/^{39}\text{Ar}$ dates published using different decay, isotopic, and monitor-age parameters. <i>Chemical Geology</i> , <b>2016</b> , 440, 148-163   | 4.2  | 24  |
| 152 | Diachroneity of the Clearwater West and Clearwater East impact structures indicated by the (U/Th)/He dating method. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 453, 56-66  | 5.3  | 8   |
| 151 | Pleistocene onset of rapid, punctuated exhumation in the eastern Central Range of the Taiwan orogenic belt. <i>Geology</i> , <b>2016</b> , 44, 719-722   | 5    | 29  |
| 150 | Flexural bending of southern Tibet in a retro foreland setting. <i>Scientific Reports</i> , <b>2015</b> , 5, 12076   | 4.9  | 23  |
| 149 | Forearc hyperextension dismembered the south Tibetan ophiolites. <i>Geology</i> , <b>2015</b> , 43, 475-478  | 5    | 100 |
| 148 | Evidence for Pleistocene Low-Angle Normal Faulting in the Annapurna-Dhaulagiri Region, Nepal. <i>Journal of Geology</i> , <b>2015</b> , 123, 133-151   | 2    | 13  |
| 147 | Zircon and apatite (U-Th)/He evidence for Paleogene and Neogene extension in the Southern Snake Range, Nevada, USA. <i>Tectonics</i> , <b>2015</b> , 34, 2142-2164   | 4.3  | 8   |

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|-----|---|------|-----|
| 146 | Age and structure of the Shyok suture in the Ladakh region of northwestern India: Implications for slip on the Karakoram fault system. <i>Tectonics</i> , <b>2015</b> , 34, 2011-2033   | 4.3  | 45  |
| 145 | Refining lunar impact chronology through high spatial resolution (40)Ar/(39)Ar dating of impact melts. <i>Science Advances</i> , <b>2015</b> , 1, e1400050  | 14.3 | 19  |
| 144 | Synchronous N-S and E-W extension at the Tibet-to-Himalaya transition in NW Bhutan. <i>Tectonics</i> , <b>2015</b> , 34, 1375-1395  | 4.3  | 27  |
| 143 | Constraints on the tectonic and landscape evolution of the Bhutan Himalaya from thermochronometry. <i>Tectonics</i> , <b>2015</b> , 34, 1329-1347   | 4.3  | 22  |
| 142 | Thermochronology in Orogenic Systems <b>2014</b> , 281-308  |      | 12  |
| 141 | 5.15 The Influence of Middle and Lower Crustal Flow on the Landscape Evolution of Orogenic Plateaus: Insights from the Himalaya and Tibet <b>2013</b> , 350-369   |      | 3   |
| 140 | Evidence for Plio-Pleistocene north-south extension at the southern margin of the Tibetan Plateau, Nyalam region. <i>Tectonics</i> , <b>2013</b> , 32, 317-333  | 4.3  | 20  |
| 139 | Desert Research and Technology Studies (DRATS) 2010 science operations: Operational approaches and lessons learned for managing science during human planetary surface missions. <i>Acta Astronautica</i> , <b>2013</b> , 90, 224-241 | 2.9  | 32  |
| 138 | Laser (U-Th)/He thermochronology of detrital zircons as a tool for studying surface processes in modern catchments. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2013</b> , 118, 1333-1341                            | 3.8  | 25  |
| 137 | Metamorphic constraints on the character and displacement of the South Tibetan fault system, central Bhutanese Himalaya. <i>Lithosphere</i> , <b>2013</b> , 5, 67-81  | 2.7  | 20  |
| 136 | Evidence of pre-Oligocene emergence of the Indian passive margin and the timing of collision initiation between India and Eurasia. <i>Lithosphere</i> , <b>2013</b> , 5, 501-506  | 2.7  | 9   |
| 135 | Differential Movement across Byrd Glacier, Antarctica, as indicated by Apatite (U-Th)/He thermochronology and geomorphological analysis. <i>Geological Society Special Publication</i> , <b>2013</b> , 381, 37-43 <sup>17</sup>       |      | 2   |
| 134 | Evidence for Pliocene-Quaternary normal faulting in the hinterland of the Bhutan Himalaya. <i>Lithosphere</i> , <b>2013</b> , 5, 438-449  | 2.7  | 17  |
| 133 | Impact thermochronology and the age of Haughton impact structure, Canada. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 3836-3840   | 4.9  | 29  |
| 132 | IBI series winner. Solving complex problems. <i>Science</i> , <b>2012</b> , 338, 1164-5   | 33.3 | 4   |
| 131 | Two-phase growth of high topography in eastern Tibet during the Cenozoic. <i>Nature Geoscience</i> , <b>2012</b> , 5, 640-645   | 18.3 | 353 |
| 130 | Variable shortening rates in the eastern Himalayan thrust belt, Bhutan: Insights from multiple thermochronologic and geochronologic data sets tied to kinematic reconstructions. <i>Tectonics</i> , <b>2012</b> , 31, n/a-n/a         | 4.3  | 63  |
| 129 | Large normal-sense displacement on the South Tibetan fault system in the eastern Himalaya. <i>Geology</i> , <b>2012</b> , 40, 971-974   | 5    | 27  |

|     |   |      |  |     |
|-----|---|------|--|-----|
| 128 | Results from Desert FLEAS III: Field Tests of EVA/Robotic Collaboration for Planetary Exploration <b>2012,</b>  |      |  | 3   |
| 127 | (U-Th)/He dating of terrestrial impact structures: The Manicouagan example. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2011</b> , 12, n/a-n/a   | 3.6  |  | 30  |
| 126 | Detrital zircon and apatite (U-Th)/He geochronology of intercalated baked sediments: A new approach to dating young basalt flows. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2011</b> , 12, n/a-n/a                 | 3.6  |  | 10  |
| 125 | Laser depth profiling studies of helium diffusion in Durango fluorapatite. <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 2409-2419   | 5.5  |  | 23  |
| 124 | Robotic recon for human exploration: Method, assessment, and lessons learned <b>2011,</b>   |      |  | 3   |
| 123 | A new paradigm for advanced planetary field geology developed through analog experiments on Earth <b>2011,</b>  |      |  | 15  |
| 122 | Motives, methods, and essential preparation for planetary field geology on the Moon and Mars <b>2011,</b>   |      |  | 7   |
| 121 | Field Analogue Simulations Investigating EVA/Robotic Collaboration in Lunar Exploration <b>2011,</b>  |      |  | 5   |
| 120 | Regional incision of the eastern margin of the Tibetan Plateau. <i>Lithosphere</i> , <b>2010</b> , 2, 50-63   | 2.7  |  | 150 |
| 119 | Developing Technologies and Techniques for Robot-Augmented Human Surface Science <b>2010,</b>   |      |  | 2   |
| 118 | Robotic Follow-up for Human Exploration <b>2010,</b>  |      |  | 6   |
| 117 | Assessment of robotic recon for human exploration of the Moon. <i>Acta Astronautica</i> , <b>2010</b> , 67, 1176-1188.  | 2.9  |  | 20  |
| 116 | Improved confidence in (U-Th)/He thermochronology using the laser microprobe: An example from a Pleistocene leucogranite, Nanga Parbat, Pakistan. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2009</b> , 10, n/a-n/a | 3.6  |  | 16  |
| 115 | Quantifying canyon incision and Andean Plateau surface uplift, southwest Peru: A thermochronometer and numerical modeling approach. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,                           |      |  | 41  |
| 114 | Robotic Scouting for Human Exploration <b>2009,</b>   |      |  | 6   |
| 113 | Data reporting norms for <sup>40</sup> Ar/ <sup>39</sup> Ar geochronology. <i>Quaternary Geochronology</i> , <b>2009</b> , 4, 346-352   | 2.7  |  | 86  |
| 112 | Late Cenozoic structural and tectonic development of the western margin of the central Andean Plateau in southwest Peru. <i>Tectonics</i> , <b>2009</b> , 28, n/a-n/a   | 4.3  |  | 21  |
| 111 | Correlation of Himalayan exhumation rates and Asian monsoon intensity. <i>Nature Geoscience</i> , <b>2008</b> , 1, 875-880  | 18.3 |  | 456 |

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|-----|---|-----|-----|
| 110 | A Late Miocene acceleration of exhumation in the Himalayan crystalline core. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 269, 1-10   | 5.3 | 16  |
| 109 | Topography, exhumation pathway, age uncertainties, and the interpretation of thermochronometer data. <i>Tectonics</i> , <b>2007</b> , 26, n/a-n/a   | 4.3 | 39  |
| 108 | Electron Microprobe Chemical Dating of Uraninite as a Reconnaissance Tool for Leucogranite Geochronology. <i>Nature Precedings</i> , <b>2007</b> ,  |     | 3   |
| 107 | Students' Perceptions of Terrascope, A Project-Based Freshman Learning Community. <i>Journal of Science Education and Technology</i> , <b>2007</b> , 16, 349-364  | 2.8 | 15  |
| 106 | Uplift of the western margin of the Andean plateau revealed from canyon incision history, southern Peru. <i>Geology</i> , <b>2007</b> , 35, 523   | 5   | 122 |
| 105 | Plio-Quaternary exhumation history of the central Nepalese Himalaya: 2. Thermokinematic and thermochronometer age prediction model. <i>Tectonics</i> , <b>2007</b> , 26, n/a-n/a  | 4.3 | 76  |
| 104 | Proterozoic metamorphism and cooling in the southern Lake Superior region, North America and its bearing on crustal evolution. <i>Precambrian Research</i> , <b>2007</b> , 157, 106-126   | 3.9 | 23  |
| 103 | Laser ablation $^{40}\text{Ar}/^{39}\text{Ar}$ dating of metamorphic fabrics in the Caledonides of north Ireland. <i>Journal of the Geological Society</i> , <b>2006</b> , 163, 337-345   | 2.7 | 6   |
| 102 | Downstream development of a detrital cooling-age signal: Insights from $^{40}\text{Ar}/^{39}\text{Ar}$ muscovite thermochronology in the Nepalese Himalaya <b>2006</b> ,  |     | 11  |
| 101 | A synthesis of the Channel Flow-Extrusion hypothesis as developed for the Himalayan-Tibetan orogenic system. <i>Geological Society Special Publication</i> , <b>2006</b> , 268, 71-90   | 1.7 | 38  |
| 100 | A comparative study of detrital mineral and bedrock age-elevation methods for estimating erosion rates. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a   |     | 27  |
| 99  | Multistage exhumation and juxtaposition of lower continental crust in the western Canadian Shield: Linking high-resolution U-Pb and $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronometry with pressure-temperature-deformation paths. <i>Tectonics</i> , <b>2006</b> , 25, n/a-n/a | 4.3 | 48  |
| 98  | Neotectonics of the central Nepalese Himalaya: Constraints from geomorphology, detrital $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology, and thermal modeling. <i>Tectonics</i> , <b>2006</b> , 25, n/a-n/a  | 4.3 | 69  |
| 97  | Thermochronology of mineral grains in the Red and Mekong Rivers, Vietnam: Provenance and exhumation implications for Southeast Asia. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2006</b> , 7, n/a-n/a   | 3.6 | 63  |
| 96  | Climate change and Late Pliocene acceleration of erosion in the Himalaya. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 252, 107-118   | 5.3 | 91  |
| 95  | Laser microprobe (U-Th)/He geochronology. <i>Geochimica Et Cosmochimica Acta</i> , <b>2006</b> , 70, 3031-3039  | 5.5 | 31  |
| 94  | Climate and the evolution of mountains. <i>Scientific American</i> , <b>2006</b> , 295, 72-9  | 0.5 | 15  |
| 93  | $^{40}\text{Ar}/^{39}\text{Ar}$ Thermochronology of Detrital Minerals. <i>Reviews in Mineralogy and Geochemistry</i> , <b>2005</b> , 58, 239-257  | 7.1 | 38  |

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|----|--|------|-----|
| 92 | He diffusion in monazite: Implications for (U-Th)/He thermochronometry. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2005</b> , 6, n/a-n/a   | 3.6  | 15  |
| 91 | U and Th zoning in Cerro de Mercado (Durango, Mexico) fluorapatite: Insights regarding the impact of recoil redistribution of radiogenic $^4\text{He}$ on (U-Th)/He thermochronology. <i>Chemical Geology</i> , <b>2005</b> , 219, 261-274 | 4.2  | 56  |
| 90 | The use of detrital mineral cooling ages to evaluate steady state assumptions in active orogens: An example from the central Nepalese Himalaya. <i>Tectonics</i> , <b>2005</b> , 24, n/a-n/a   | 4.3  | 81  |
| 89 | Active out-of-sequence thrust faulting in the central Nepalese Himalaya. <i>Nature</i> , <b>2005</b> , 434, 1008-11  | 50.4 | 234 |
| 88 | Timescales of melt generation and the thermal evolution of the Himalayan metamorphic core, Everest region, eastern Nepal. <i>Contributions To Mineralogy and Petrology</i> , <b>2005</b> , 149, 1-21                                       | 3.5  | 76  |
| 87 | 9. $^{40}\text{Ar}/^{39}\text{Ar}$ Thermochronology of Detrital Minerals <b>2005</b> , 239-258   |      | 6   |
| 86 | Thermochronology of the modern Indus River bedload: New insight into the controls on the marine stratigraphic record. <i>Tectonics</i> , <b>2004</b> , 23, n/a-n/a   | 4.3  | 30  |
| 85 | Quaternary deformation, river steepening, and heavy precipitation at the front of the Higher Himalayan ranges. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 220, 379-389   | 5.3  | 241 |
| 84 | Has focused denudation sustained active thrusting at the Himalayan topographic front?. <i>Geology</i> , <b>2003</b> , 31, 861  | 5    | 280 |
| 83 | Geologic Traverse Planning for Planetary EVA <b>2003</b> ,   |      | 14  |
| 82 | Tectonometamorphic evolution of the Himalayan metamorphic core between the Annapurna and Dhaulagiri, central Nepal. <i>Journal of Metamorphic Geology</i> , <b>2003</b> , 14, 635-656  | 4.4  | 227 |
| 81 | Pressure-temperature-time evolution of the Central East Greenland Caledonides: quantitative constraints on crustal thickening and synorogenic extension. <i>Journal of Metamorphic Geology</i> , <b>2003</b> , 21, 875-897                 | 4.4  | 17  |
| 80 | Modelling detrital cooling-age populations: insights from two Himalayan catchments. <i>Basin Research</i> , <b>2003</b> , 15, 305-320  | 3.2  | 69  |
| 79 | Geochronology and Thermochronology in Orogenic Systems <b>2003</b> , 263-292   |      | 43  |
| 78 | Implications of middle Eocene epizonal plutonism for the unroofing history of the Bitterroot metamorphic core complex, Idaho-Montana. <i>Bulletin of the Geological Society of America</i> , <b>2002</b> , 114, 448-461                    | 3.9  | 14  |
| 77 | Geologic constraints on middle-crustal behavior during broadly synorogenic extension in the central East Greenland Caledonides. <i>International Journal of Earth Sciences</i> , <b>2002</b> , 91, 187-208                                 | 2.2  | 36  |
| 76 | Multistage extensional evolution of the central East Greenland Caledonides. <i>Tectonics</i> , <b>2002</b> , 21, 12-1-12-28  | 4.28 | 15  |
| 75 | Late Cenozoic evolution of the eastern margin of the Tibetan Plateau: Inferences from $^{40}\text{Ar}/^{39}\text{Ar}$ and (U-Th)/He thermochronology. <i>Tectonics</i> , <b>2002</b> , 21, 1-1-1-20  | 4.3  | 393 |

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|----|--|-----|-----|
| 74 | Neotectonics of the Thakkhola graben and implications for recent activity on the South Tibetan fault system in the central Nepal Himalaya. <i>Bulletin of the Geological Society of America</i> , <b>2001</b> , 113, 222-240   | 3.8 | 95  |
| 73 | Monazite <sup>207</sup> Pb/232Th U-Th-Pb geochronology: methodology and an example from the Nepalese Himalaya. <i>Contributions To Mineralogy and Petrology</i> , <b>2001</b> , 141, 233-247   | 3.5 | 66  |
| 72 | Southward extrusion of Tibetan crust and its effect on Himalayan tectonics. <i>Tectonics</i> , <b>2001</b> , 20, 799-809   | 4.3 | 185 |
| 71 | Crustal thickening leading to exhumation of the Himalayan Metamorphic core of central Nepal: Insight from U-Pb Geochronology and 40Ar/39Ar Thermochronology. <i>Tectonics</i> , <b>2001</b> , 20, 729-747  | 4.3 | 209 |
| 70 | Syncontractional extension and exhumation of deep crustal rocks in the east Greenland Caledonides. <i>Tectonics</i> , <b>2001</b> , 20, 58-77  | 4.3 | 51  |
| 69 | U-Pb and 40Ar/39Ar constraints on the Fjord Region Detachment Zone: a long-lived extensional fault in the central East Greenland Caledonides. <i>Journal of the Geological Society</i> , <b>2000</b> , 157, 795-809  | 2.7 | 44  |
| 68 | Depositional and tectonic evolution of a supradetachment basin: 40Ar/39Ar geochronology of the Nova Formation, Panamint Range, California. <i>Basin Research</i> , <b>2000</b> , 12, 19-30   | 3.2 | 13  |
| 67 | Dating cleavage formation in slates and phyllites with the 40Ar/39Ar laser microprobe: an example from the western New England Appalachians, USA. <i>Terra Nova</i> , <b>2000</b> , 12, 264-271  | 3   | 15  |
| 66 | Tectonics of the Himalaya and southern Tibet from two perspectives. <i>Bulletin of the Geological Society of America</i> , <b>2000</b> , 112, 324-350  | 3.9 | 858 |
| 65 | 40Ar/39Ar geochronology of flood basalts from the Kerguelen Archipelago, southern Indian Ocean: implications for Cenozoic eruption rates of the Kerguelen plume. <i>Earth and Planetary Science Letters</i> , <b>2000</b> , 174, 313-328   | 5.3 | 57  |
| 64 | Geochronological constraints on the magmatic, metamorphic and thermal evolution of the Connemara Caledonides, western Ireland. <i>Journal of the Geological Society</i> , <b>1999</b> , 156, 1217-1230   | 2.7 | 80  |
| 63 | Metamorphism, Melting, and Extension: Age Constraints from the High Himalayan Slab of Southeast Zaskar and Northwest Lahaul. <i>Journal of Geology</i> , <b>1999</b> , 107, 473-495  | 2   | 147 |
| 62 | Short-lived continental magmatic arc at Connemara, western Irish Caledonides: Implications for the age of the Grampian orogeny. <i>Geology</i> , <b>1999</b> , 27, 27  | 5   | 101 |
| 61 | The effects of accretion, erosion and radiogenic heat on the metamorphic evolution of collisional orogens. <i>Journal of Metamorphic Geology</i> , <b>1999</b> , 17, 349-366   | 4.4 | 85  |
| 60 | Neogene cooling and exhumation of upper-amphibolite-facies 'whiteschists' in the southwest Pamir Mountains, Tajikistan. <i>Tectonophysics</i> , <b>1999</b> , 305, 325-337   | 3.1 | 19  |
| 59 | Evolution métamorphique du dôme de Kangmar (Sud-Est-Xizang, Tibet): Implications pour les zones internes himalayennes. <i>Comptes Rendus De L'Académie Des Sciences Earth &amp; Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , <b>1998</b> , 327, 577-582 |     |     |
| 58 | Evidence for rapid displacement on Himalayan normal faults and the importance of tectonic denudation in the evolution of mountain ranges. <i>Geology</i> , <b>1998</b> , 26, 483   | 5   | 103 |
| 57 | The thermal structure of collisional orogens as a response to accretion, erosion, and radiogenic heating. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 15287-15302  |     | 107 |



|    |   |     |     |
|----|---|-----|-----|
| 56 | Contrasting Oligocene and Miocene thermal histories from the hanging wall and footwall of the South Tibetan detachment in the central Himalaya from $40\text{Ar}/39\text{Ar}$ thermochronology, Marsyandi Valley, central Nepal. <i>Tectonics</i> , <b>1998</b> , 17, 726-740 | 4.3 | 58  |
| 55 | The thermodynamics of Himalayan orogenesis. <i>Geological Society Special Publication</i> , <b>1998</b> , 138, 7-22   | 1.7 | 13  |
| 54 | Shisha Pangma Leucogranite, South Tibetan Himalaya: Field Relations, Geochemistry, Age, Origin, and Emplacement. <i>Journal of Geology</i> , <b>1997</b> , 105, 295-318   | 2   | 318 |
| 53 | Petrological and geochronological constraints on regional metamorphism along the northern border of the Bitterroot batholith. <i>Journal of Metamorphic Geology</i> , <b>1997</b> , 15, 753-764   | 4.4 | 25  |
| 52 | Tectonic evolution of the central Annapurna Range, Nepalese Himalayas. <i>Tectonics</i> , <b>1996</b> , 15, 1264-1291   | 4.3 | 394 |
| 51 | The Interdependence of Deformational and Thermal Processes in Mountain Belts. <i>Science</i> , <b>1996</b> , 273, 637-9   | 3.3 | 62  |
| 50 | Isotopic constraints on the age and provenance of the Lesser and Greater Himalayan sequences, Nepalese Himalaya. <i>Bulletin of the Geological Society of America</i> , <b>1996</b> , 108, 904-911  | 3.9 | 283 |
| 49 | Evidence for Tibetan plateau uplift before 14 Myr ago from a new minimum age for east-west extension. <i>Nature</i> , <b>1995</b> , 374, 49-52  | 5.4 | 439 |
| 48 | >Mesozoic and Cenozoic extension recorded by metamorphic rocks in the Funeral Mountains, California. <i>Bulletin of the Geological Society of America</i> , <b>1995</b> , 107, 1063-1076  | 3.9 | 37  |
| 47 | thermochronology of isotopically zoned micas: Insights from the southwestern USA proterozoic orogen. <i>Geochimica Et Cosmochimica Acta</i> , <b>1995</b> , 59, 3205-3220   | 5.5 | 51  |
| 46 | Limits on the tectonic significance of rapid cooling events in extensional settings: Insights from the Bitterroot metamorphic core complex, Idaho-Montana: Comment and Reply. <i>Geology</i> , <b>1995</b> , 23, 1051   | 5   | 3   |
| 45 | New constraints on the age of the Manaslu leucogranite: Evidence for episodic tectonic denudation in the central Himalaya: Comment and Reply. <i>Geology</i> , <b>1995</b> , 23, 478  | 5   | 15  |
| 44 | New constraints on the age of the Manaslu leucogranite: Evidence for episodic tectonic denudation in the central Himalayas. <i>Geology</i> , <b>1994</b> , 22, 559  | 5   | 86  |
| 43 | $40\text{Ar}/39\text{Ar}$ age gradients in micas from a high-temperature-low-pressure metamorphic terrain: Evidence for very slow cooling and implications for the interpretation of age spectra. <i>Geology</i> , <b>1994</b> , 22, 55                                       | 5   | 94  |
| 42 | Empirical evaluation of solution models for pelitic minerals and their application to thermobarometry. <i>Contributions To Mineralogy and Petrology</i> , <b>1994</b> , 117, 56-65  | 3.5 | 14  |
| 41 | Thermobarometric and $40\text{Ar}/39\text{Ar}$ geochronologic constraints on Eohimalayan metamorphism in the Dinggya area, southern Tibet. <i>Contributions To Mineralogy and Petrology</i> , <b>1994</b> , 117, 151-163  | 3.5 | 74  |
| 40 | Pressure-temperature-time paths from two-dimensional thermal models: Prograde, retrograde, and inverted metamorphism. <i>Tectonics</i> , <b>1994</b> , 13, 17-44  | 4.3 | 93  |
| 39 | Role of horizontal thermal conduction and finite time thrust emplacement in simulation of pressure-temperature-time paths. <i>Earth and Planetary Science Letters</i> , <b>1994</b> , 123, 49-60  | 5.3 | 23  |

|    |   |      |     |
|----|---|------|-----|
| 38 | Limits on the tectonic significance of rapid cooling events in extensional settings: Insights from the Bitterroot metamorphic core complex, Idaho-Montana. <i>Geology</i> , <b>1994</b> , 22, 1007                                  | 5    | 21  |
| 37 | Laser 40Ar/39Ar Evaluation of Slow Cooling and Episodic Loss of 40Ar from a Sample of Polymetamorphic Muscovite. <i>Science</i> , <b>1993</b> , 261, 1721-3   | 33.3 | 44  |
| 36 | Age of Tertiary extension in the Bitterroot metamorphic core complex, Montana and Idaho. <i>Geology</i> , <b>1993</b> , 21, 161   | 5    | 12  |
| 35 | The metamorphic signature of contemporaneous extension and shortening in the central Himalayan orogen: data from the Nyalam transect, southern Tibet. <i>Journal of Metamorphic Geology</i> , <b>1993</b> , 11, 721-737             | 4.4  | 103 |
| 34 | Extension in the Cretaceous Sevier orogen, North American Cordillera. <i>Bulletin of the Geological Society of America</i> , <b>1992</b> , 104, 560   | 3.9  | 84  |
| 33 | A structural analysis of the Main Central Thrust zone, Langtang National Park, central Nepal Himalaya. <i>Bulletin of the Geological Society of America</i> , <b>1992</b> , 104, 1389-1402  | 3.9  | 85  |
| 32 | The South Tibetan Detachment System, Himalayan Orogen: Extension Contemporaneous With and Parallel to Shortening in a Collisional Mountain Belt. <i>Special Paper of the Geological Society of America</i> , <b>1992</b> , 1-41     |      | 398 |
| 31 | Late Cretaceous extensional unroofing in the Funeral Mountains metamorphic core complex, California. <i>Geology</i> , <b>1992</b> , 20, 519   | 5    | 26  |
| 30 | Simultaneous miocene extension and shortening in the himalayan orogen. <i>Science</i> , <b>1992</b> , 258, 1466-70  | 33.3 | 298 |
| 29 | Thermal evolution of a portion of the Sevier Hinterland: The Northern Ruby Mountains-East Humboldt Range and Wood Hills, northeastern Nevada. <i>Tectonics</i> , <b>1992</b> , 11, 154-164  | 4.3  | 42  |
| 28 | Temperature and pressure of mylonitization in a Tertiary extensional shear zone, Ruby Mountains-East Humboldt Range, Nevada: Tectonic implications. <i>Geology</i> , <b>1991</b> , 19, 82   | 5    | 25  |
| 27 | Pressure-Temperature-Time Paths. <i>Annual Review of Earth and Planetary Sciences</i> , <b>1991</b> , 19, 207-236   | 15.3 | 72  |
| 26 | Constraints on unroofing rates in the High Himalaya, eastern Nepal. <i>Tectonics</i> , <b>1991</b> , 10, 287-298  | 4.3  | 29  |
| 25 | An Early Pliocene thermal disturbance of the main central thrust, central Nepal: Implications for Himalayan tectonics. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 8475  |      | 91  |
| 24 | Miocene to recent structural development of an extensional accommodation zone, northeastern Baja California, Mexico. <i>Journal of Structural Geology</i> , <b>1990</b> , 12, 315-328   | 3    | 29  |
| 23 | Chapter 18: Constraints on the kinematics and timing of late Miocene-Recent extension between the Panamint and Black Mountains, southeastern California. <i>Memoir of the Geological Society of America</i> , <b>1990</b> , 363-376 |      | 13  |
| 22 | Chapter 19: Structural unroofing of the central Panamint Mountains, Death Valley region, southeastern California. <i>Memoir of the Geological Society of America</i> , <b>1990</b> , 377-390  |      | 18  |
| 21 | The kangmar dome: a metamorphic core complex in southern xizang (tibet). <i>Science</i> , <b>1990</b> , 250, 1552-6   | 33.3 | 114 |

|    |  |     |     |
|----|--|-----|-----|
| 20 | Petrologic constraints on the unroofing history of the Funeral Mountain Metamorphic Core Complex, California. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 8437  |     | 25  |
| 19 | Pre-Pliocene Extension around the Gulf of California and the transfer of Baja California to the Pacific Plate. <i>Tectonics</i> , <b>1989</b> , 8, 99-115  | 4.3 | 292 |
| 18 | Evolution of extensional basins and basin and range topography west of Death Valley, California. <i>Tectonics</i> , <b>1989</b> , 8, 453-467   | 4.3 | 36  |
| 17 | <b>1989,</b>   |     | 3   |
| 16 | Thermal evolution of the Greater Himalaya, Garhwal, India. <i>Tectonics</i> , <b>1988</b> , 7, 583-600   | 4.3 | 88  |
| 15 | Thermal modeling of extensional tectonics: Application to pressure-temperature-time histories of metamorphic rocks. <i>Tectonics</i> , <b>1988</b> , 7, 947-957  | 4.3 | 102 |
| 14 | The Middle Mountain shear zone, southern Idaho: Kinematic analysis of an early Tertiary high-temperature detachment. <i>Bulletin of the Geological Society of America</i> , <b>1988</b> , 100, 96-103                            | 3.9 | 29  |
| 13 | Possible thermal buffering by crustal anatexis in collisional orogens: Thermobarometric evidence from the Nepalese Himalaya. <i>Geology</i> , <b>1988</b> , 16, 707  | 5   | 70  |
| 12 | Footwall structural evolution of the Tucki Mountain detachment system, Death Valley region, southeastern California. <i>Geological Society Special Publication</i> , <b>1987</b> , 28, 393-408                                   | 1.7 | 11  |
| 11 | Geology of Panamint Valley - Saline Valley Pull-Apart System, California: Palinspastic evidence for low-angle geometry of a Neogene Range-Bounding Fault. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 10422-10426 |     | 101 |
| 10 | Comment and Reply on P-T paths from garnet zoning: A new technique for deciphering tectonic processes in crystalline terranes <i>Geology</i> , <b>1985</b> , 13, 81  | 5   |     |
| 9  | Geologic thermobarometry of retrograded metamorphic rocks: An indication of the uplift trajectory of a portion of the northern Scandinavian caledonides. <i>Journal of Geophysical Research</i> , <b>1984</b> , 89, 7077-7090    |     | 66  |
| 8  | A technique for analyzing the thermal and uplift histories of eroding orogenic belts: A Scandinavian example. <i>Journal of Geophysical Research</i> , <b>1984</b> , 89, 7091-7106   |     | 40  |
| 7  | P-T paths from garnet zoning: A new technique for deciphering tectonic processes in crystalline terranes. <i>Geology</i> , <b>1984</b> , 12, 87  | 5   | 144 |
| 6  | Pogallo Line, South Alps, northern Italy: An intermediate crystal level, low-angle normal fault?. <i>Geology</i> , <b>1984</b> , 12, 151   | 5   | 44  |
| 5  | Structural evolution of an A-type subduction zone, lofoten-Rombak Area, northern Scandinavian Caledonides. <i>Tectonics</i> , <b>1982</b> , 1, 441-462   | 4.3 | 56  |
| 4  | Limitations on the role of pore pressure in gravity gliding. <i>Bulletin of the Geological Society of America</i> , <b>1982</b> , 93, 606  | 3.9 | 8   |
| 3  | Comment and Reply on High fluid pressure, isothermal surfaces, and the initiation of nappe movement <i>Geology</i> , <b>1980</b> , 8, 405  | 5   | 2   |

|   |  |     |   |
|---|--|-----|---|
| 2 | Trace Elements in Continental-Margin Magmatism: Part II. Trace Elements in Ben Ghnema Batholith and Nature of the Precambrian Crust in Central North Africa. <i>Bulletin of the Geological Society of America</i> , <b>1980</b> , 91, 1742-1788    | 3.9 | 8 |
| 1 | Trace elements in continental-margin magmatism: Part II. Trace elements in Ben Ghnema batholith and nature of the Precambrian crust in central North Africa: Summary. <i>Bulletin of the Geological Society of America</i> , <b>1980</b> , 91, 445 | 3.9 | 5 |