# Ben A Van Der Pluijm

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1310754/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 221 papers | 8,266 citations | 36303 51 h-index | 62596 80 g-index |
| 226 all docs | 226 docs citations | 226 times ranked | 4579 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tectonics of the Continental Interior in the United States. , 2021, , 173-186. | | 3 |
| 2 | Focusing fluids in faults: Evidence from stable isotopic studies of dated clayâ€rich fault gouge of the Alberta Rockies. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009868. | 2.5 | 1 |
| 3 | Deconstructing Tectonics: Ten Animated Explorations. Earth and Space Science, 2020, 7, e2019EA000989. | 2.6 | 2 |
| 4 | Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. Science, 2020, 369, 1338-1343. | 12.6 | 202 |
| 5 | Thank You Earth's Future Reviewers in 2019. Earth's Future, 2020, 8, e2020EF001536. | 6.3 | 0 |
| 6 | Locally Derived, Meteoric Fluid Infiltration Was Responsible for Widespread Late Paleozoic Illite Authigenesis in the Appalachian Basin. Tectonics, 2020, 39, e2020TC006137. | 2.8 | 2 |
| 7 | METEORIC SOURCE OF GEOFLUIDS IN THE CENTRAL APPALACHIANS FOLD-THRUST BELT AND FORELAND CHALLENGES OROGENIC FLUID EXPULSION HYPOTHESIS; EVIDENCE FROM REGIONAL CLAY DIAGENESIS. , 2020, , . | | 0 |
| 8 | FAULT GOUGE DATING IN THE SPANISH PYRENEES: SHORTENING RATES, THERMAL CONSTRAINTS ON CLAY GOUGE FORMATION, AND CATACLASTIC AGE INTERPRETATION. , 2020, , . | | 0 |
| 9 | All Together Now: Reflecting on <em>Earthâ€™s Future</em>â€™s Formative Years. Eos, 2020, 101, . | 0.1 | 0 |
| 10 | Toward a Resilient Global Society: Air, Sea Level, Earthquakes, and Weather. Earth's Future, 2019, 7, 854-864. | 6.3 | 7 |
| 11 | Thank you to Earth's Future Reviewers in 2018. Earth's Future, 2019, 7, 584-586. | 6.3 | 0 |
| 12 | Evolution of a rapidly slipping, active low-angle normal fault, Suckling-Dayman metamorphic core complex, SE Papua New Guinea. Bulletin of the Geological Society of America, 2019, 131, 1333-1363. | 3.3 | 26 |
| 13 | In situ Th/Pb dating of monazite in fibrous veins: Direct dating of veins and deformation in the shallow upper crust of the Mexican Orogen. Journal of Structural Geology, 2019, 124, 136-142. | 2.3 | 5 |
| 14 | Surface fluids in the evolving Sevier foldâ€“thrust belt of IDâ€“WY indicated by hydrogen isotopes in dated, authigenic clay minerals. Earth and Planetary Science Letters, 2019, 513, 29-39. | 4.4 | 9 |
| 15 | Concurrence of folding and remagnetization events in the Monterrey Salient (NE Mexico). Tectonophysics, 2019, 760, 58-68. | 2.2 | 0 |
| 16 | CHALLENGING THE OROGENIC FLUID EXPULSION (â€œSQUEEGEEâ€) HYPOTHESIS; EVIDENCE FROM CLAYS IN THE CENTRAL APPALACHIANS OROGEN AND FORELAND. , 2019, , . | | 0 |
| 17 | Quantitative X-Ray Powder Diffraction and the Illite Polytype Analysis Method for Direct Fault Rock Dating: A Comparison of Analytical Techniques. Clays and Clay Minerals, 2018, 66, 220-232. | 1.3 | 15 |
| 18 | Near-surface clay authigenesis in exhumed fault rock of the Alpine Fault Zone (New Zealand); O-H-Ar isotopic, XRD and chemical analysis of illite and chlorite. Journal of Structural Geology, 2018, 111, 27-41. | 2.3 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | THE FLUIDS OF OROGENY; O-H ISOTOPIC ANALYSIS OF REGIONAL, DATED CLAY-RICH FAULT GOUGE IN THE ALBERTA ROCKIES, CANADA. , 2018, , . | | 0 |
| 20 | THE MYSTERIOUS US MIDCONTINENT: A GEOLOGIC HISTORY PRESERVED IN NEGATIVE TOPOGRAPHY. , 2018, , . | | 0 |
| 21 | We Can Work It Out: Avoiding Disasters. Eos, 2018, 99, . | 0.1 | 0 |
| 22 | Constraining the alteration history of a Late Cretaceous Patagonian volcaniclastic bentoniteâ€“ashâ€“mudstone sequence using Kâ€“Ar and 40Ar/39Ar isotopes. International Journal of Earth Sciences, 2017, 106, 255-268. | 1.8 | 4 |
| 23 | Meteoric fluid infiltration in the Argentine Precordillera fold-and-thrust belt: Evidence from H isotopic studies of neoformed clay minerals. Lithosphere, 2017, 9, 134-145. | 1.4 | 12 |
| 24 | Mineral characterization, clay quantification and Arâ€“Ar dating of faulted schists in the Carboneras and Palomares Faults (Betic Cordillera, SE Spain). European Journal of Mineralogy, 2017, 29, 17-34. | 1.3 | 9 |
| 25 | Thank you reviewers of Earth's Future in 2016. Earth's Future, 2017, 5, 542-544. | 6.3 | 0 |
| 26 | Earth and Space Science for the Benefit of Humanity. Eos, 2017, 98, . | 0.1 | 5 |
| 27 | SYN-DEFORMATIONAL INFILTRATION OF SURFACE-DERIVED FLUIDS ALONG FAULT ZONES IN THE IDAHO-WYOMING SALIENT, SEVIER FOLD-THRUST BELT: CONSTRAINTS FROM PAIRED RADIOGENIC AND STABLE ISOTOPIC ANALYSIS OF AUTHIGENIC CLAYS. , 2017, , . | | 0 |
| 28 | Good Night Sunshine: Geoengineering Solutions to Climate Change?. Eos, 2017, 98, . | 0.1 | 0 |
| 29 | Thank you to 2015 reviewers ofEarth's Future. Earth's Future, 2016, 4, 92-93. | 6.3 | 0 |
| 30 | Do magnetic fabrics of marine deposits preserve orbital forcing? A test case in the Southern Ocean, Antarctic Peninsula. Lithosphere, 2016, 8, 751-756. | 1.4 | 1 |
| 31 | XRD-based 40Ar/39Ar age correction for fine-grained illite, with application to folded carbonates in the Monterrey Salient (northern Mexico). Geochimica Et Cosmochimica Acta, 2016, 181, 201-216. | 3.9 | 28 |
| 32 | Remagnetization and folding in the frontal Montana Rocky Mountains. Lithosphere, 2016, 8, 716-728. | 1.4 | 5 |
| 33 | Meteoric fluid infiltration in crustal-scale normal fault systems as indicated by Î´<sup>18</sup>O and Î´<sup>2</sup>H geochemistry and<sup>40</sup>Ar/<sup>39</sup>Ar dating of neoformed clays in brittle fault rocks. Lithosphere, 2016, 8, 587-600. | 1.4 | 25 |
| 34 | FAULTS AND ILLITE: SOURCES, PATHWAYS AND TIMING OF GEOFLUIDS. , 2016, , . | | 0 |
| 35 | FROM FAULT DATES TO OROGENIC RATES. , 2016, , . | | 0 |
| 36 | Here Comes the Anthropocene. Eos, 2016, 97, . | 0.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Hydrogen and <sup>40</sup><scp>A</scp>r/<sup>39</sup><scp>A</scp>r isotope evidence for multiple and protracted paleofluid flow events within the longâ€lived <scp>N</scp>orth <scp>A</scp>natolian <scp>K</scp>eirogen (<scp>T</scp>urkey). Geochemistry, Geophysics, Geosystems, 2015, 16, 1975-1987. | 2.5 | 23 |
| 38 | Thank youEarth's Futurereviewers. Earth's Future, 2015, 3, 219-219. | 6.3 | 0 |
| 39 | Orogenic pulses in the Alberta Rocky Mountains: Radiometric dating of major faults and comparison with the regional tectono-stratigraphic record. Bulletin of the Geological Society of America, 2015, 127, 480-502. | 3.3 | 64 |
| 40 | Clay mineral formation and fabric development in the DFDP-1B borehole, central Alpine Fault, New Zealand. New Zealand Journal of Geology, and Geophysics, 2015, 58, 13-21. | 1.8 | 27 |
| 41 | Dating synfolding remagnetization: Approach and field application (central Sierra Madre Oriental,) Tj ETQq1 1 0.784314 rgBT /Overlock | 7 | |
| 42 | Response of natural smectite to seismogenic heating and potential implications for the 2011 Tohoku earthquake in the Japan Trench. Geology, 2015, 43, 755-758. | 4.4 | 30 |
| 43 | Fault Zone (Thermochronology). Encyclopedia of Earth Sciences Series, 2015, , 269-274. | 0.1 | 3 |
| 44 | Fault Zone (Thermochronology). , 2014, , 1-8. | | 0 |
| 45 | Fault gouge dating in the Southern Appalachians, USA. Bulletin of the Geological Society of America, 2014, 126, 639-651. | 3.3 | 18 |
| 46 | Hello Anthropocene, Goodbye Holocene. Earth's Future, 2014, 2, 566-568. | 6.3 | 6 |
| 47 | Progressive, episodic deformation in the Mexican Foldâ€“Thrust Belt (central Mexico): evidence from isotopic dating of folds and faults. International Geology Review, 2014, 56, 734-755. | 2.1 | 40 |
| 48 | Newly-formed illite preserves fluid sources during folding of shale and limestone rocks; an example from the Mexican Fold-Thrust Belt. Earth and Planetary Science Letters, 2014, 391, 263-273. | 4.4 | 16 |
| 49 | Low-temperature AMS and the quantification of subfabrics in deformed rocks. Tectonophysics, 2014, 629, 55-62. | 2.2 | 16 |
| 50 | A â€œslice-and-viewâ€•(FIBâ€“SEM) study of clay gouge from the SAFOD creeping section of the San Andreas Fault at â^¼2.7Âkm depth. Journal of Structural Geology, 2014, 69, 234-244. | 2.3 | 29 |
| 51 | Modification of mudstone fabric and pore structure as a result of slope failure: Ursa Basin, Gulf of Mexico. Marine Geology, 2013, 341, 58-67. | 2.1 | 11 |
| 52 | Fold dating: A new Ar/Ar illite dating application to constrain the age of deformation in shallow crustal rocks. Journal of Structural Geology, 2013, 54, 174-179. | 2.3 | 36 |
| 53 | Earth's Future: Navigating the science of the Anthropocene. Earth's Future, 2013, 1, 1-2. | 6.3 | 8 |
| 54 | Shear zones in clay-rich fault gouge: A laboratory study of fabric development and evolution. Journal of Structural Geology, 2013, 51, 206-225. | 2.3 | 121 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Constraining clay hydration state and its role in active fault systems. Geochemistry, Geophysics, Geosystems, 2013, 14, 1039-1052. | 2.5 | 21 |
| 56 | Timing of Iapetus Ocean rifting from Ar geochronology of pseudotachylytes in the St. Lawrence rift system of southern Quebec. Geology, 2012, 40, 443-446. | 4.4 | 28 |
| 57 | Chlorite-smectite clay minerals and fault behavior: New evidence from the San Andreas Fault Observatory at Depth (SAFOD) core. Lithosphere, 2012, 4, 209-220. | 1.4 | 53 |
| 58 | Patterns of mineral transformations in clay gouge, with examples from low-angle normal fault rocks in the western USA. Journal of Structural Geology, 2012, 43, 2-32. | 2.3 | 77 |
| 59 | Variation of illite/muscovite 40Ar/39Ar age spectra during progressive low-grade metamorphism: an example from the US Cordillera. Contributions To Mineralogy and Petrology, 2012, 164, 521-536. | 3.1 | 38 |
| 60 | A focus on science, engineering, and education for sustainability. Eos, 2012, 93, 1-3. | 0.1 | 9 |
| 61 | The International Opportunities Fund for global change research. Eos, 2012, 93, 257-258. | 0.1 | 2 |
| 62 | Sustainability needs the geosciences. Eos, 2012, 93, 441-441. | 0.1 | 2 |
| 63 | The fabric of consolidation in Gulf of Mexico mudstones. Marine Geology, 2012, 295-298, 77-85. | 2.1 | 47 |
| 64 | Direct dating of Eocene reverse faulting in northeastern Tibet using Ar-dating of fault clays and low-temperature thermochronometry. Earth and Planetary Science Letters, 2011, 304, 520-526. | 4.4 | 220 |
| 65 | Links between orogenic wedge deformation and erosional exhumation: Evidence from illite age analysis of fault rock and detrital thermochronology of syn-tectonic conglomerates in the Spanish Pyrenees. Earth and Planetary Science Letters, 2011, 307, 180-190. | 4.4 | 67 |
| 66 | Natural fault lubricants. Nature Geoscience, 2011, 4, 217-218. | 12.9 | 18 |
| 67 | Preferred orientation of phyllosilicates: Effects of composition and stress on resedimented mudstone microfabrics. Journal of Structural Geology, 2011, 33, 1347-1358. | 2.3 | 32 |
| 68 | Variations in the Illite to Muscovite Transition Related to Metamorphic Conditions and Detrital Muscovite Content: Insight from the Paleozoic Passive Margin of the Southwestern United States. Journal of Geology, 2011, 119, 419-437. | 1.4 | 32 |
| 69 | Foreland signature of indenter tectonics: Insights from calcite twinning analysis in the Tennessee salient of the Southern Appalachians, USA. Lithosphere, 2011, 3, 317-327. | 1.4 | 10 |
| 70 | Thermochronology of the Salt Spring fault: Constraints on the evolution of the South Virginâ€“White Hills detachment system, Nevada and Arizona, USA. , 2011, 7, 774-784. | | 6 |
| 71 | Fabric anisotropy induced by primary depositional variations in the silt: clay ratio in two fine-grained slope fan complexes: Texas Gulf Coast and northern North Sea. Sedimentary Geology, 2010, 226, 42-53. | 2.1 | 55 |
| 72 | Nanocoatings of clay and creep of the San Andreas fault at Parkfield, California. Geology, 2010, 38, 667-670. | 4.4 | 121 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Dating the detachment fault system of the Ruby Mountains, Nevada: Significance for the kinematics of low-angle normal faults. Tectonics, 2010, 29, n/a-n/a. | 2.8 | 35 |
| 74 | Cretaceous age, composition, and microstructure of pseudotachylyte in the Otago Schist, New Zealand. New Zealand Journal of Geology, and Geophysics, 2010, 53, 15-29. | 1.8 | 8 |
| 75 | On the origin of mixed-layered clay minerals from the San Andreas Fault at 2.5â€“3Âkm vertical depth (SAFOD drillhole at Parkfield, California). Contributions To Mineralogy and Petrology, 2009, 157, 173-187. | 3.1 | 53 |
| 76 | Remagnetization in the Tennessee salient, Southern Appalachians, USA: Constraints on the timing of deformation. Tectonophysics, 2009, 474, 709-722. | 2.2 | 9 |
| 77 | Quantification of fabrics in clay gouge from the Carboneras fault, Spain and implications for fault behavior. Tectonophysics, 2009, 475, 554-562. | 2.2 | 49 |
| 78 | A physical record of the Antarctic Circumpolar Current: Late Miocene to recent slowing of abyssal circulation. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 275, 28-36. | 2.3 | 20 |
| 79 | Mid-Pliocene to Recent abyssal current flow along the Antarctic Peninsula: Results from ODP Leg 178, Site 1101. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 284, 120-128. | 2.3 | 3 |
| 80 | Clay fabric intensity in natural and artificial fault gouges: Implications for brittle fault zone processes and sedimentary basin clay fabric evolution. Journal of Geophysical Research, 2009, 114, . | 3.3 | 80 |
| 81 | Constraints on mineralization, fluidâ€rock interaction, and mass transfer during faulting at 2â€“3 km depth from the SAFOD drill hole. Journal of Geophysical Research, 2009, 114, . | 3.3 | 35 |
| 82 | Phyllosilicate orientation demonstrates early timing of compactional stabilization in calcite-cemented concretions in the Barnett Shale (Late Mississippian), Fort Worth Basin, Texas (U.S.A). Sedimentary Geology, 2008, 208, 27-35. | 2.1 | 34 |
| 83 | Clay quantification and Arâ€“Ar dating of synthetic and natural gouge: Application to the Miocene Sierra MazatÃ¡n detachment fault, Sonora, Mexico. Journal of Structural Geology, 2008, 30, 525-538. | 2.3 | 130 |
| 84 | Differential displacement and rotation in thrust fronts: A magnetic, calcite twinning and palinspastic study of the Jones Valley thrust, Alabama, US Appalachians. Journal of Structural Geology, 2008, 30, 725-738. | 2.3 | 12 |
| 85 | Paleomagnetic reorientation of San Andreas Fault Observatory at Depth (SAFOD) core. Geophysical Research Letters, 2008, 35, . | 4.0 | 6 |
| 86 | Diagenetic Reorientation of Phyllosilicate Minerals in Paleogene Mudstones of the Podhale Basin, Southern Poland. Clays and Clay Minerals, 2008, 56, 100-111. | 1.3 | 74 |
| 87 | The age and depth of exhumed friction melts along the Alpine fault, New Zealand. Geology, 2007, 35, 603. | 4.4 | 22 |
| 88 | Early rotation and late folding in the Pennsylvania salient (U.S. Appalachians): Evidence from calcite-twinning analysis of Paleozoic carbonates. Bulletin of the Geological Society of America, 2007, 119, 796-804. | 3.3 | 31 |
| 89 | Reconstructing the Snake Riverâ€“Hoback River Canyon section of the Wyoming thrust belt through direct dating of clay-rich fault rocks. , 2007, , 183-196. | | 10 |
| 90 | Fault dating in the Canadian Rocky Mountains: Evidence for late Cretaceous and early Eocene orogenic pulses: REPLY: REPLY. Geology, 2007, 35, e151-e151. | 4.4 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Late Paleoproterozoic (geon 18 and 17) reactivation of the Neoarchean Great Lakes Tectonic Zone, northern Michigan, USA: Evidence from kinematic analysis, thermobarometry and 40Ar/39Ar geochronology. Precambrian Research, 2007, 157, 144-168. | 2.7 | 15 |
| 92 | Quantifying transient erosion of orogens with detrital thermochronology from syntectonic basin deposits. Earth and Planetary Science Letters, 2007, 256, 147-161. | 4.4 | 75 |
| 93 | Paleocurrent directions from paleomagnetic reorientation of magnetic fabrics in deep-sea sediments at the Antarctic Peninsula Pacific margin (ODP Sites 1095, 1101). Marine Geology, 2007, 242, 261-269. | 2.1 | 66 |
| 94 | San Andreas Fault Zone Mineralogy, Geochemistry, and Physical Properties from SAFOD Cuttings and Core. Scientific Drilling, 2007, , . | 0.6 | 6 |
| 95 | Electron Microscopy of Clay Minerals in Mudrocks from the San Andreas Fault Observatory at Depth (SAFOD). Scientific Drilling, 2007, , . | 0.6 | 0 |
| 96 | Origin and significance of clay-coated fractures in mudrock fragments of the SAFOD borehole (Parkfield, California). Geophysical Research Letters, 2006, 33, . | 4.0 | 63 |
| 97 | Late Miocene to Pleistocene paleoceanographic records from the Feni and Gardar Drifts: Pliocene reduction in abyssal flow. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 236, 290-301. | 2.3 | 22 |
| 98 | Syn-folding remagnetization of Cambro-Ordovician carbonates from the Pennsylvania Salient post-dates oroclinal rotation. Tectonophysics, 2006, 422, 41-54. | 2.2 | 17 |
| 99 | Primary curvature in the Mid-Continent Rift: Paleomagnetism of the Portage Lake Volcanics (northern) Tj ETQq1 1 0.784314 rgBT /Ov | 2.2 | 29 |
| 100 | Mineralogical characterization of protolith and fault rocks from the SAFOD Main Hole. Geophysical Research Letters, 2006, 33, . | 4.0 | 93 |
| 101 | Fault dating in the Canadian Rocky Mountains: Evidence for late Cretaceous and early Eocene orogenic pulses. Geology, 2006, 34, 837. | 4.4 | 78 |
| 102 | Fluid focusing and back-reactions in the uplifted shoulder of the Rhine rift system: a clay mineral study along the Schauenburg Fault zone (Heidelberg, Germany). International Journal of Earth Sciences, 2006, 95, 19-33. | 1.8 | 14 |
| 103 | Influence of mechanical compaction and clay mineral diagenesis on the microfabric and pore-scale properties of deep-water Gulf of Mexico mudstones. Clays and Clay Minerals, 2006, 54, 500-514. | 1.3 | 196 |
| 104 | Restored transect across the exhumed Grenville orogen of Laurentia and Amazonia, with implications for crustal architecture. Geology, 2006, 34, 669. | 4.4 | 97 |
| 105 | The Global Change Curriculum and Minor at the University of Michigan. Journal of Geoscience Education, 2006, 54, 249-254. | 1.4 | 3 |
| 106 | Late Mesoproterozoic Deformation of SW Amazonia (RondÃ´nia, Brazil): Geochronological and Structural Evidence for Collision with Southern Laurentia. Journal of Geology, 2005, 113, 309-323. | 1.4 | 48 |
| 107 | Neocrystallization, fabrics and age of clay minerals from an exposure of the Moab Fault, Utah. Journal of Structural Geology, 2005, 27, 1563-1576. | 2.3 | 133 |
| 108 | Two stage tectonic history of the SW Amazon craton in the late Mesoproterozoic: identifying a cryptic suture zone. Precambrian Research, 2005, 137, 35-59. | 2.7 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Crystal fractionation in the friction melts of seismic faults (Alpine Fault, New Zealand). Tectonophysics, 2005, 402, 111-124. | 2.2 | 18 |
| 110 | Exhumation of a collisional orogen: A perspective from the North American Grenville Province. , 2004, , 391-410. | | 12 |
| 111 | Neogene history of the Deep Western Boundary Current at Rekohu sediment drift, Southwest Pacific (ODP Site 1124). Marine Geology, 2004, 205, 185-206. | 2.1 | 26 |
| 112 | Significance of the Nova BrasilÃ¢ndia metasedimentary belt in western Brazil: Redefining the Mesoproterozoic boundary of the Amazon craton. Tectonics, 2004, 23, n/a-n/a. | 2.8 | 57 |
| 113 | Phyllosilicate mineral assemblages of the SAFOD Pilot Hole and comparison with an exhumed segment of the San Andreas Fault System. Geophysical Research Letters, 2004, 31, . | 4.0 | 18 |
| 114 | Magnetic fabrics and strain in pencil structures of the Knobs Formation, Valley and Ridge Province, US Appalachians. Journal of Structural Geology, 2003, 25, 1349-1358. | 2.3 | 48 |
| 115 | Influence of phyllosilicate mineral assemblages, fabrics, and fluids on the behavior of the Punchbowl fault, southern California. Journal of Geophysical Research, 2003, 108, . | 3.3 | 52 |
| 116 | Frictional melt pulses during a â¼1.1 Ma earthquake along the Alpine Fault, New Zealand. Earth and Planetary Science Letters, 2003, 209, 39-52. | 4.4 | 28 |
| 117 | Rob Van der Vooâ€"an appreciation. Tectonophysics, 2003, 362, xi-xii. | 2.2 | 0 |
| 118 | Influence of mechanical compaction and chemical diagenesis on the microfabric and fluid flow properties of Gulf of Mexico mudstones. Journal of Geochemical Exploration, 2003, 78-79, 449-451. | 3.2 | 23 |
| 119 | FROM THE EDITORS OF GEOLOGY. Geology, 2003, 31, 95. | 4.4 | 0 |
| 120 | The40Ar-39Ar laser analysis of K-feldspar: Constraints on the uplift history of the Grenville Province in Ontario and New York. Journal of Geophysical Research, 2002, 107, ECV 12-1-ECV 12-11. | 3.3 | 14 |
| 121 | Phyllosilicate fabric characterization by Low-Temperature Anisotropy of Magnetic Susceptibility (LT-AMS). Geophysical Research Letters, 2002, 29, 68-1-68-4. | 4.0 | 52 |
| 122 | Paleogeography of the Amazon craton at 1.2 Ga: early Grenvillian collision with the Llano segment of Laurentia. Earth and Planetary Science Letters, 2002, 199, 185-200. | 4.4 | 165 |
| 123 | Antarctic environmental variability since the late Miocene: ODP Site 745, the East Kerguelen sediment drift. Earth and Planetary Science Letters, 2002, 201, 127-142. | 4.4 | 27 |
| 124 | Evaluating magnetic lineations (AMS) in deformed rocks. Tectonophysics, 2002, 350, 283-298. | 2.2 | 154 |
| 125 | Early History of the Carthageâ€Colton Shear Zone, Grenville Province, Northwest Adirondacks, New York (U.S.A.). Journal of Geology, 2001, 109, 479-492. | 1.4 | 45 |
| 126 | 40Ar-39Ar geochronometry of pseudotachylytes by vacuum encapsulation: North Cascade Mountains, Washington, USA. Geology, 2001, 29, 51. | 4.4 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | The dating of shallow faults in the Earth's crust. Nature, 2001, 412, 172-175. | 27.8 | 224 |
| 128 | Static recrystallization and preferred orientation of phyllosilicates: Michigamme Formation, northern Michigan, USA. Journal of Structural Geology, 2001, 23, 887-893. | 2.3 | 20 |
| 129 | Deformation microfabrics of clay gouge, Lewis Thrust, Canada: a case for fault weakening from clay transformation. Geological Society Special Publication, 2001, 186, 103-112. | 1.3 | 15 |
| 130 | Oroclinal bending and evidence against the Pangea megashear: The Cantabria-Asturias arc (northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 4.4 | 145 |
| 131 | West African proximity of the Avalon terrane in the latest Precambrian. Bulletin of the Geological Society of America, 2001, 113, 1161-1170. | 3.3 | 59 |
| 132 | The relationship of phyllosilicate orientation, X-ray diffraction intensity ratios, and c/b fissility ratios in metasedimentary rocks of the Helvetic zone of the Swiss Alps and the Caledonides of JÃmtland, central western Sweden. Journal of Structural Geology, 2000, 22, 245-258. | 2.3 | 16 |
| 133 | The formation of an orocline by multiphase deformation: a paleomagnetic investigation of the Cantabriaâ€“Asturias Arc (northern Spain). Journal of Structural Geology, 2000, 22, 735-756. | 2.3 | 114 |
| 134 | Late Proterozoic (ca. 930 Ma) extension in eastern Laurentia. Bulletin of the Geological Society of America, 2000, 112, 1522-1530. | 3.3 | 33 |
| 135 | Analysis of Variscan dynamics; early bending of the Cantabriaâ€“Asturias Arc, northern Spain. Earth and Planetary Science Letters, 2000, 181, 203-216. | 4.4 | 45 |
| 136 | Preferred Orientation of Phyllosilicates in Gulf Coast Mudstones and Relation to the Smectite-Illite Transition. Clays and Clay Minerals, 1999, 47, 495-504. | 1.3 | 100 |
| 137 | Comparison of garnet-biotite, calcite-graphite, and calcite-dolomite thermometry in the Grenville Orogen; Ontario, Canada. Contributions To Mineralogy and Petrology, 1999, 134, 217-231. | 3.1 | 27 |
| 138 | Clay gouge. Journal of Structural Geology, 1999, 21, 1039-1048. | 2.3 | 241 |
| 139 | The tectonics of continental interiors. Tectonophysics, 1999, 305, vii-x. | 2.2 | 7 |
| 140 | Sevierâ€“Laramide deformation of the continental interior from calcite twinning analysis, west-central North America. Tectonophysics, 1999, 305, 275-286. | 2.2 | 52 |
| 141 | Evolution of magnetic fabrics during incipient deformation of mudrocks (Pyrenees, northern Spain). Tectonophysics, 1999, 307, 1-14. | 2.2 | 253 |
| 142 | Structural sequences and styles of subsidence in the Michigan basin. Bulletin of the Geological Society of America, 1999, 111, 974-991. | 3.3 | 51 |
| 143 | Relative timing of calcite twinning strain and fold-thrust belt development; Hudson Valley fold-thrust belt, New York, U.S.A.. Journal of Structural Geology, 1998, 20, 21-31. | 2.3 | 25 |
| 144 | Paleomagnetic constraints on Siluro-Devonian Laurentian margin tectonics from northern Appalachian volcanics. Tectonophysics, 1998, 285, 1-19. | 2.2 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Contradictions of slate formation resolved?. Nature, 1998, 392, 348-348. | 27.8 | 24 |
| 146 | Use of grain size and magnetic fabric analyses to distinguish among depositional environments. Paleoceanography, 1998, 13, 491-501. | 3.0 | 46 |
| 147 | Ordovician paleogeography and the evolution of the Iapetus ocean. Geology, 1997, 25, 159. | 4.4 | 154 |
| 148 | Suturing and extensional reactivation in the Grenville orogen, Canada. Geology, 1997, 25, 507. | 4.4 | 29 |
| 149 | Nature of the Elzevirâ€"Mazinaw domain boundary, Grenville Orogen, Ontario. Canadian Journal of Earth Sciences, 1997, 34, 976-991. | 1.3 | 9 |
| 150 | Paleostress in Cratonic North America: Implications for Deformation of Continental Interiors. Science, 1997, 277, 794-796. | 12.6 | 107 |
| 151 | Late orogenic, plastic to brittle extension along the Robertson Lake shear zone: implications for the style of deep-crustal extension in the Grenville orogen, Canada. Precambrian Research, 1996, 77, 41-57. | 2.7 | 18 |
| 152 | Listric normal faulting during postorogenic extension revealed by40Ar/39Ar thermochronology near the Robertson Lake shear zone, Grenville orogen, Canada. Tectonics, 1996, 15, 387-402. | 2.8 | 41 |
| 153 | Near-Laurentian paleogeography of the Lawrence Head volcanics of central Newfoundland, northern Appalachians. Tectonophysics, 1996, 263, 107-121. | 2.2 | 5 |
| 154 | Evolution of deep-crustal normal faults: constraints from thermobarometry in the Grenville Orogen, Ontario, Canada. Tectonophysics, 1996, 265, 83-100. | 2.2 | 14 |
| 155 | Contrasting roles of detrital and authigenic phyllosilicates during slaty cleavage development. Journal of Structural Geology, 1996, 18, 615-623. | 2.3 | 23 |
| 156 | Basement and basins of eastern North America: A research conference summary. , 1996, , . | | 0 |
| 157 | Some remarks on rheology and fluid migration in the Paleozoic eastern Midcontinent of North America from regional calcite twinning patterns. , 1996, , . | | 1 |
| 158 | Constraints on the duration of tectonic processes: Protracted extension and deep-crustal rotation in the Grenville orogen. Geology, 1995, 23, 361. | 4.4 | 37 |
| 159 | Reorientation mechanisms of phyllosilicates in the mudstone-to-slate transition at Lehigh Gap, Pennsylvania. Journal of Structural Geology, 1995, 17, 345-356. | 2.3 | 38 |
| 160 | Calcite textures, microstructures and rheological properties of marble mylonites in the Bancroft shear zone, Ontario, Canada. Journal of Structural Geology, 1995, 17, 677-688. | 2.3 | 59 |
| 161 | Plastic behavior of magnetite and high strains obtained from magnetic fabrics in the Parry Sound shear zone, Ontario Grenville Province. Journal of Structural Geology, 1995, 17, 265-278. | 2.3 | 59 |
| 162 | High-resolution X-ray texture goniometry: Reply. Journal of Structural Geology, 1995, 17, 925-926. | 2.3 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | D. H. Tarling & F. Hrouda, 1993. The Magnetic Anisotropy of Rocks. xi + 217 pp. London, Glasgow, New York, Tokyo, Melbourne, Madras: Chapman & Hall. Price Â£40.00 (hard covers). ISBN 0412 49880 4.. Geological Magazine, 1995, 132, 454-454. | 1.5 | 1 |
| 164 | Paleomagnetism and magnetic fabrics from the Springdale and Wigwam Redbeds of Newfoundland and their implications for the Silurian paleolatitude controversy. Earth and Planetary Science Letters, 1995, 132, 141-155. | 4.4 | 17 |
| 165 | Paleomagnetism of the Pennington Mountain terrane: A near-Laurentian back arc basin in the Maine Appalachians. Journal of Geophysical Research, 1995, 100, 10003-10011. | 3.3 | 14 |
| 166 | TEM and AEM constraints on the origin and significance of chlorite-mica stacks in slates: an example from Central Wales, U.K.. Journal of Structural Geology, 1994, 16, 1139-1157. | 2.3 | 52 |
| 167 | High-resolution X-ray texture goniometry. Journal of Structural Geology, 1994, 16, 1029-1032. | 2.3 | 58 |
| 168 | Comment On: â€˜Early Silurian Palaeolatitude of the Springdale Group Redbeds of Central Newfoundland: A Palaeomagnetic Determination With A Remanence Anisotropy Test For Inclination Errorâ€™ By J. P. Hodych and K. L. Buchan. Geophysical Journal International, 1994, 119, 1009-1013. | 2.4 | 5 |
| 169 | Separation of paramagnetic and ferrimagnetic susceptibilities using low temperature magnetic susceptibilities and comparison with high field methods. Physics of the Earth and Planetary Interiors, 1994, 82, 113-123. | 1.9 | 140 |
| 170 | Determining the significance of high-grade shear zones by using temperature-time paths, with examples from the Grenville orogen. Geology, 1994, 22, 743. | 4.4 | 43 |
| 171 | Stress regimes in the Lithosphere. Terry Engelder. Journal of Geology, 1994, 102, 491-491. | 1.4 | 0 |
| 172 | U-Pb geochronology of the Grenville Orogen of Ontario and New York: constraints on ancient crustal tectonics. Contributions To Mineralogy and Petrology, 1993, 114, 13-26. | 3.1 | 158 |
| 173 | The quantification of crystallographic preferred orientation using magnetic anisotropy. Journal of Structural Geology, 1993, 15, 113-116. | 2.3 | 44 |
| 174 | Avalonian proximity of the Ordovician Miramichi Terrane, northern New Brunswick, northern Appalachians: Paleomagnetic evidence for rifting and back-arc basin formation at the southern margin of Iapetus. Tectonophysics, 1993, 227, 17-30. | 2.2 | 22 |
| 175 | Composite magnetic anisotropy fabrics: experiments, numerical models and implications for the quantification of rock fabrics. Tectonophysics, 1993, 220, 1-12. | 2.2 | 123 |
| 176 | Discordant Silurian paleolatitudes for central Newfoundland: New paleomagnetic evidence from the Springdale Group. Earth and Planetary Science Letters, 1993, 120, 1-12. | 4.4 | 22 |
| 177 | Early Silurian paleolatitude for central Newfoundland from paleomagnetism of the Wigwam Formation: Discussion. Canadian Journal of Earth Sciences, 1993, 30, 644-645. | 1.3 | 10 |
| 178 | Regional shortening fabrics in eastern North America: Farâ€field stress transmission from the Appalachianâ€Ouachita Orogenic Belt. Tectonics, 1993, 12, 257-264. | 2.8 | 70 |
| 179 | Paleomagnetism of the Ordovician Bluffer Pond Formation: Paleogeographic implications for the Munsungun terrane of northern Maine. Journal of Geophysical Research, 1993, 98, 7987-7996. | 3.3 | 13 |
| 180 | Magnetite dissolution and neocrystallization during cleavage formation: Paleomagnetic study of the Martinsburg Formation, Lehigh Gap, Pennsylvania. Journal of Geophysical Research, 1993, 98, 13799-13813. | 3.3 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Paleogeography, accretionary history, and tectonic scenario: A working hypothesis for the Ordovician and Silurian evolution of the northern Appalachians. Special Paper of the Geological Society of America, 1993, , 27-40. | 0.5 | 13 |
| 182 | Thermobarometry, Geochronology and the Interpretation of P-T-t Data in the Britt Domain, Ontario Grenville Orogen, Canada. Journal of Petrology, 1992, 33, 1225-1259. | 2.8 | 48 |
| 183 | Relations between deformation and sediment-hosted copper mineralization: Evidence from the White Pine part of the Midcontinent rift system. Geology, 1992, 20, 427. | 4.4 | 38 |
| 184 | The Carthage-Colton Mylonite Zone (Adirondack Mountains, New York): The Site of a Cryptic Suture in the Grenville Orogen?. Journal of Geology, 1992, 100, 630-638. | 1.4 | 48 |
| 185 | Slaty cleavage development and magnetic anisotropy fabrics. Journal of Geophysical Research, 1991, 96, 9937-9946. | 3.3 | 67 |
| 186 | Paleomagnetism of the Moreton's Harbour Group, northeastern Newfoundland Appalachians: Evidence for an Early Ordovician Island Arc near the Laurentian Margin of Iapetus. Journal of Geophysical Research, 1991, 96, 11689-11701. | 3.3 | 21 |
| 187 | Reply [to â€œComment on â€˜Tectonic history of the Lunksoos Composite Terrane in the Maine Appalaciansâ€â€™]. Tectonics, 1991, 10, 647-648. | 2.8 | 0 |
| 188 | Acadian and Alleghenian remagnetization of the Jim Pond Formation, central western Maine, northern Appalachians. Tectonophysics, 1991, 186, 279-291. | 2.2 | 7 |
| 189 | Synorogenic Collapse: A Perspective from the Middle Crust, the Proterozoic Grenville Orogen. Science, 1991, 254, 695-698. | 12.6 | 54 |
| 190 | Paleogeography of some vestiges of Iapetus: Paleomagnetism of the Ordovician Robert's Arm, Summerford, and Chanceport Groups, central Newfoundland. Bulletin of the Geological Society of America, 1991, 103, 1564-1575. | 3.3 | 22 |
| 191 | Timing of Mississippi Valley-type mineralization: Relation to Appalachian orogenic events. Geology, 1990, 18, 1115. | 4.4 | 27 |
| 192 | Early Paleozoic paleogeography and accretionary history of the Newfoundland Appalachians. Geology, 1990, 18, 898. | 4.4 | 43 |
| 193 | Synchroneity of folding and crosscutting cleavage in the Newfoundland Appalachians?. Journal of Structural Geology, 1990, 12, 1073-1076. | 2.3 | 6 |
| 194 | Marble mylonites of the Bancroft shear zone: Evidence for extension in the Canadian Grenville. Bulletin of the Geological Society of America, 1990, 102, 174-181. | 3.3 | 52 |
| 195 | Early history of the Michigan basin: Subsidence and Appalachian tectonics. Geology, 1990, 18, 1195. | 4.4 | 46 |
| 196 | Growth and retrograde zoning in garnets from high-grade, metapelites: Implications for pressure-temperature paths. Geology, 1990, 18, 839. | 4.4 | 76 |
| 197 | Triassic-Jurassic rifting. Continental breakup and the origin of the Atlantic ocean and passive margins. Tectonophysics, 1990, 175, 381. | 2.2 | 0 |
| 198 | Tectonic history of the Lunksoos Composite Terrane in the Maine Appalachians. Tectonics, 1990, 9, 719-734. | 2.8 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Chlorite control of correlations between strain and anisotropy of magnetic susceptibility. Physics of the Earth and Planetary Interiors, 1990, 61, 315-323. | 1.9 | 47 |
| 200 | Remagnetizations and thrusting in the Idahoâ€Wyoming Overthrust Belt. Journal of Geophysical Research, 1990, 95, 4551-4559. | 3.3 | 39 |
| 201 | Paleomagnetism of the Lawrenceton Formation volcanic rocks, Silurian Botwood Group, Change Islands, Newfoundland. Canadian Journal of Earth Sciences, 1989, 26, 296-304. | 1.3 | 17 |
| 202 | Extension in the Central Metasedimentary Belt of the Ontario Grenville: Timing and tectonic significance. Geology, 1989, 17, 161. | 4.4 | 51 |
| 203 | Late Paleozoic deformation of the cratonic carbonate cover of eastern North America. Geology, 1989, 17, 416. | 4.4 | 97 |
| 204 | Kinematic analysis of an en Ã©chelonâ€”continuous vein complex. Journal of Structural Geology, 1988, 10, 445-452. | 2.3 | 34 |
| 205 | Analytical Electron Microscopy and the Problem of Potassium Diffusion1. Clays and Clay Minerals, 1988, 36, 498-504. | 1.3 | 63 |
| 206 | Characteristics and Evolution of the Central Mobile Belt, Canadian Appalachians. Journal of Geology, 1988, 96, 535-547. | 1.4 | 38 |
| 207 | Fossil evidence for fault-derived stratigraphic repetition in the northeastern Newfoundland Appalachians. Canadian Journal of Earth Sciences, 1987, 24, 2337-2350. | 1.3 | 18 |
| 208 | Timing and spatial distribution of deformation in the Newfoundland Appalachians: a â€œmulti-stage collisionâ€•history. Tectonophysics, 1987, 135, 15-24. | 2.2 | 15 |
| 209 | Grainâ€scale deformation and the fold test â€•evaluation of synâ€ffolding remagnetization. Geophysical Research Letters, 1987, 14, 155-157. | 4.0 | 48 |
| 210 | Note on analysis of quartz grain dimensions in foliated greywackes. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1987, 76, 851-855. | 1.3 | 0 |
| 211 | Variation in fold geometry in the Yuso basin, northern Spain: implications for the deformation regime. Journal of Structural Geology, 1986, 8, 879-886. | 2.3 | 22 |
| 212 | Geology of eastern New World Island, Newfoundland: An accretionary terrane in the northeastern Appalachians. Bulletin of the Geological Society of America, 1986, 97, 932. | 3.3 | 32 |
| 213 | Metamorphic fluids and transtension in the Cantabrian Mountains of northern Spain: an application of the conodont colour alteration index. Geological Magazine, 1986, 123, 673-681. | 1.5 | 45 |
| 214 | Mica beards in three slates: Morphology, formation and bearing on the strain history. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1984, 73, 1037-1053. | 1.3 | 3 |
| 215 | Chlorite-mica aggregates: morphology, orientation, development and bearing on cleavage formation in very-low-grade rocks. Journal of Structural Geology, 1984, 6, 399-407. | 2.3 | 53 |
| 216 | An unusual â€˜crack-sealâ€™ vein geometry. Journal of Structural Geology, 1984, 6, 593-597. | 2.3 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Structural interpretation of the eastern Notre Dame Bay area, Newfoundland: regional post-Middle Silurian thrusting and asymmetrical folding: Reply. Canadian Journal of Earth Sciences, 1983, 20, 1353-1354. | 1.3 | 2 |
| 218 | Sedimentology of Upper Ordovician â€“ Silurian sequences on New World Island, Newfoundland: separate fault-controlled basins?: Discussion. Canadian Journal of Earth Sciences, 1983, 20, 1757-1758. | 1.3 | 4 |
| 219 | Structural interpretation of the eastern Notre Dame Bay area, Newfoundland: regional post-Middle Silurian thrusting and asymmetrical folding. Canadian Journal of Earth Sciences, 1982, 19, 2325-2341. | 1.3 | 59 |
| 220 | San Andreas Fault Zone Mineralogy, Geochemistry, and Physical Properties from SAFOD Cuttings and Core. Scientific Drilling, 0, SpecialIssue, 64-67. | 0.6 | 3 |
| 221 | Electron Microscopy of Clay Minerals in Mudrocks from the San Andreas Fault Observatory at Depth (SAFOD). Scientific Drilling, 0, SpecialIssue, 68-70. | 0.6 | 1 |