

Ben A Van Der Pluijm

List of Publications by Year in descending order

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219
papers

8,266
citations

41627

51
h-index

71088

80
g-index

226
all docs

226
docs citations

226
times ranked

5151
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of magnetic fabrics during incipient deformation of mudrocks (Pyrenees, northern Spain). <i>Tectonophysics</i> , 1999, 307, 1-14.	0.9	253
2	Clay gouge. <i>Journal of Structural Geology</i> , 1999, 21, 1039-1048.	1.0	241
3	The dating of shallow faults in the Earth's crust. <i>Nature</i> , 2001, 412, 172-175.	13.7	224
4	Direct dating of Eocene reverse faulting in northeastern Tibet using Ar-dating of fault clays and low-temperature thermochronometry. <i>Earth and Planetary Science Letters</i> , 2011, 304, 520-526.	1.8	220
5	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. <i>Science</i> , 2020, 369, 1338-1343.	6.0	202
6	Influence of mechanical compaction and clay mineral diagenesis on the microfabric and pore-scale properties of deep-water Gulf of Mexico mudstones. <i>Clays and Clay Minerals</i> , 2006, 54, 500-514.	0.6	196
7	Paleogeography of the Amazon craton at 1.2 Ga: early Grenvillian collision with the Llano segment of Laurentia. <i>Earth and Planetary Science Letters</i> , 2002, 199, 185-200.	1.8	165
8	U-Pb geochronology of the Grenville Orogen of Ontario and New York: constraints on ancient crustal tectonics. <i>Contributions To Mineralogy and Petrology</i> , 1993, 114, 13-26.	1.2	158
9	Ordovician paleogeography and the evolution of the Iapetus ocean. <i>Geology</i> , 1997, 25, 159.	2.0	154
10	Evaluating magnetic lineations (AMS) in deformed rocks. <i>Tectonophysics</i> , 2002, 350, 283-298.	0.9	154
11	Oroclinal bending and evidence against the Pangea megashear: The Cantabria-Asturias arc (northern Tj ETQq1 1 0.784314 rgBT /Overlo	2.0	145
12	Separation of paramagnetic and ferrimagnetic susceptibilities using low temperature magnetic susceptibilities and comparison with high field methods. <i>Physics of the Earth and Planetary Interiors</i> , 1994, 82, 113-123.	0.7	140
13	Neocrystallization, fabrics and age of clay minerals from an exposure of the Moab Fault, Utah. <i>Journal of Structural Geology</i> , 2005, 27, 1563-1576.	1.0	133
14	Clay quantification and Ar dating of synthetic and natural gouge: Application to the Miocene Sierra Mazatán detachment fault, Sonora, Mexico. <i>Journal of Structural Geology</i> , 2008, 30, 525-538.	1.0	130
15	Composite magnetic anisotropy fabrics: experiments, numerical models and implications for the quantification of rock fabrics. <i>Tectonophysics</i> , 1993, 220, 1-12.	0.9	123
16	Nanocoatings of clay and creep of the San Andreas fault at Parkfield, California. <i>Geology</i> , 2010, 38, 667-670.	2.0	121
17	Shear zones in clay-rich fault gouge: A laboratory study of fabric development and evolution. <i>Journal of Structural Geology</i> , 2013, 51, 206-225.	1.0	121
18	The formation of an orocline by multiphase deformation: a paleomagnetic investigation of the Cantabria-Asturias Arc (northern Spain). <i>Journal of Structural Geology</i> , 2000, 22, 735-756.	1.0	114

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19	Paleostress in Cratonic North America: Implications for Deformation of Continental Interiors. <i>Science</i> , 1997, 277, 794-796.	6.0	107
20	Preferred Orientation of Phyllosilicates in Gulf Coast Mudstones and Relation to the Smectite-Illite Transition. <i>Clays and Clay Minerals</i> , 1999, 47, 495-504.	0.6	100
21	Late Paleozoic deformation of the cratonic carbonate cover of eastern North America. <i>Geology</i> , 1989, 17, 416.	2.0	97
22	Restored transect across the exhumed Grenville orogen of Laurentia and Amazonia, with implications for crustal architecture. <i>Geology</i> , 2006, 34, 669.	2.0	97
23	Mineralogical characterization of protolith and fault rocks from the SAFOD Main Hole. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	93
24	Clay fabric intensity in natural and artificial fault gouges: Implications for brittle fault zone processes and sedimentary basin clay fabric evolution. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	80
25	Fault dating in the Canadian Rocky Mountains: Evidence for late Cretaceous and early Eocene orogenic pulses. <i>Geology</i> , 2006, 34, 837.	2.0	78
26	Patterns of mineral transformations in clay gouge, with examples from low-angle normal fault rocks in the western USA. <i>Journal of Structural Geology</i> , 2012, 43, 2-32.	1.0	77
27	Growth and retrograde zoning in garnets from high-grade, metapelites: Implications for pressure-temperature paths. <i>Geology</i> , 1990, 18, 839.	2.0	76
28	Quantifying transient erosion of orogens with detrital thermochronology from syntectonic basin deposits. <i>Earth and Planetary Science Letters</i> , 2007, 256, 147-161.	1.8	75
29	Diagenetic Reorientation of Phyllosilicate Minerals in Paleogene Mudstones of the Podhale Basin, Southern Poland. <i>Clays and Clay Minerals</i> , 2008, 56, 100-111.	0.6	74
30	Regional shortening fabrics in eastern North America: Far-field stress transmission from the Appalachian to Ouachita Orogenic Belt. <i>Tectonics</i> , 1993, 12, 257-264.	1.3	70
31	Slaty cleavage development and magnetic anisotropy fabrics. <i>Journal of Geophysical Research</i> , 1991, 96, 9937-9946.	3.3	67
32	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. <i>Earth and Planetary Science Letters</i> , 2011, 307, 180-190.	1.8	67
33	Paleocurrent directions from paleomagnetic reorientation of magnetic fabrics in deep-sea sediments at the Antarctic Peninsula Pacific margin (ODP Sites 1095, 1101). <i>Marine Geology</i> , 2007, 242, 261-269.	0.9	66
34	Orogenic pulses in the Alberta Rocky Mountains: Radiometric dating of major faults and comparison with the regional tectono-stratigraphic record. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 480-502.	1.6	64
35	Analytical Electron Microscopy and the Problem of Potassium Diffusion1. <i>Clays and Clay Minerals</i> , 1988, 36, 498-504.	0.6	63
36	Origin and significance of clay-coated fractures in mudrock fragments of the SAFOD borehole (Parkfield, California). <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	63

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37	Structural interpretation of the eastern Notre Dame Bay area, Newfoundland: regional post-Middle Silurian thrusting and asymmetrical folding. <i>Canadian Journal of Earth Sciences</i> , 1982, 19, 2325-2341.	0.6	59
38	Calcite textures, microstructures and rheological properties of marble mylonites in the Bancroft shear zone, Ontario, Canada. <i>Journal of Structural Geology</i> , 1995, 17, 677-688.	1.0	59
39	Plastic behavior of magnetite and high strains obtained from magnetic fabrics in the Parry Sound shear zone, Ontario Grenville Province. <i>Journal of Structural Geology</i> , 1995, 17, 265-278.	1.0	59
40	West African proximity of the Avalon terrane in the latest Precambrian. <i>Bulletin of the Geological Society of America</i> , 2001, 113, 1161-1170.	1.6	59
41	High-resolution X-ray texture goniometry. <i>Journal of Structural Geology</i> , 1994, 16, 1029-1032.	1.0	58
42	Significance of the Nova Brasil-India metasedimentary belt in western Brazil: Redefining the Mesoproterozoic boundary of the Amazon craton. <i>Tectonics</i> , 2004, 23, n/a-n/a.	1.3	57
43	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. <i>Sedimentary Geology</i> , 2010, 226, 42-53.	1.0	55
44	Synorogenic Collapse: A Perspective from the Middle Crust, the Proterozoic Grenville Orogen. <i>Science</i> , 1991, 254, 695-698.	6.0	54
45	Chlorite-mica aggregates: morphology, orientation, development and bearing on cleavage formation in very-low-grade rocks. <i>Journal of Structural Geology</i> , 1984, 6, 399-407.	1.0	53
46	On the origin of mixed-layered clay minerals from the San Andreas Fault at 2.5-3 km vertical depth (SAFOD drillhole at Parkfield, California). <i>Contributions To Mineralogy and Petrology</i> , 2009, 157, 173-187.	1.2	53
47	Chlorite-smectite clay minerals and fault behavior: New evidence from the San Andreas Fault Observatory at Depth (SAFOD) core. <i>Lithosphere</i> , 2012, 4, 209-220.	0.6	53
48	Marble mylonites of the Bancroft shear zone: Evidence for extension in the Canadian Grenville. <i>Bulletin of the Geological Society of America</i> , 1990, 102, 174-181.	1.6	52
49	TEM and AEM constraints on the origin and significance of chlorite-mica stacks in slates: an example from Central Wales, U.K.. <i>Journal of Structural Geology</i> , 1994, 16, 1139-1157.	1.0	52
50	Sevier-Laramide deformation of the continental interior from calcite twinning analysis, west-central North America. <i>Tectonophysics</i> , 1999, 305, 275-286.	0.9	52
51	Phyllosilicate fabric characterization by Low-Temperature Anisotropy of Magnetic Susceptibility (LT-AMS). <i>Geophysical Research Letters</i> , 2002, 29, 681-684.	1.5	52
52	Influence of phyllosilicate mineral assemblages, fabrics, and fluids on the behavior of the Punchbowl fault, southern California. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	52
53	Extension in the Central Metasedimentary Belt of the Ontario Grenville: Timing and tectonic significance. <i>Geology</i> , 1989, 17, 161.	2.0	51
54	Structural sequences and styles of subsidence in the Michigan basin. <i>Bulletin of the Geological Society of America</i> , 1999, 111, 974-991.	1.6	51

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55	Quantification of fabrics in clay gouge from the Carboneras fault, Spain and implications for fault behavior. <i>Tectonophysics</i> , 2009, 475, 554-562.	0.9	49
56	Grain-scale deformation and the fold test – evaluation of syn-folding remagnetization. <i>Geophysical Research Letters</i> , 1987, 14, 155-157.	1.5	48
57	Thermobarometry, Geochronology and the Interpretation of P-T-t Data in the Britt Domain, Ontario Grenville Orogen, Canada. <i>Journal of Petrology</i> , 1992, 33, 1225-1259.	1.1	48
58	The Carthage-Colton Mylonite Zone (Adirondack Mountains, New York): The Site of a Cryptic Suture in the Grenville Orogen?. <i>Journal of Geology</i> , 1992, 100, 630-638.	0.7	48
59	Magnetic fabrics and strain in pencil structures of the Knobs Formation, Valley and Ridge Province, US Appalachians. <i>Journal of Structural Geology</i> , 2003, 25, 1349-1358.	1.0	48
60	Late Mesoproterozoic Deformation of SW Amazonia (Rondônia, Brazil): Geochronological and Structural Evidence for Collision with Southern Laurentia. <i>Journal of Geology</i> , 2005, 113, 309-323.	0.7	48
61	Chlorite control of correlations between strain and anisotropy of magnetic susceptibility. <i>Physics of the Earth and Planetary Interiors</i> , 1990, 61, 315-323.	0.7	47
62	Two stage tectonic history of the SW Amazon craton in the late Mesoproterozoic: identifying a cryptic suture zone. <i>Precambrian Research</i> , 2005, 137, 35-59.	1.2	47
63	The fabric of consolidation in Gulf of Mexico mudstones. <i>Marine Geology</i> , 2012, 295-298, 77-85.	0.9	47
64	Early history of the Michigan basin: Subsidence and Appalachian tectonics. <i>Geology</i> , 1990, 18, 1195.	2.0	46
65	Use of grain size and magnetic fabric analyses to distinguish among depositional environments. <i>Paleoceanography</i> , 1998, 13, 491-501.	3.0	46
66	Metamorphic fluids and transtension in the Cantabrian Mountains of northern Spain: an application of the conodont colour alteration index. <i>Geological Magazine</i> , 1986, 123, 673-681.	0.9	45
67	Analysis of Variscan dynamics; early bending of the Cantabria – Asturias Arc, northern Spain. <i>Earth and Planetary Science Letters</i> , 2000, 181, 203-216.	1.8	45
68	Early History of the Carthage – Colton Shear Zone, Grenville Province, Northwest Adirondacks, New York (U.S.A.). <i>Journal of Geology</i> , 2001, 109, 479-492.	0.7	45
69	The quantification of crystallographic preferred orientation using magnetic anisotropy. <i>Journal of Structural Geology</i> , 1993, 15, 113-116.	1.0	44
70	Early Paleozoic paleogeography and accretionary history of the Newfoundland Appalachians. <i>Geology</i> , 1990, 18, 898.	2.0	43
71	Determining the significance of high-grade shear zones by using temperature-time paths, with examples from the Grenville orogen. <i>Geology</i> , 1994, 22, 743.	2.0	43
72	Listric normal faulting during postorogenic extension revealed by ⁴⁰ Ar/ ³⁹ Ar thermochronology near the Robertson Lake shear zone, Grenville orogen, Canada. <i>Tectonics</i> , 1996, 15, 387-402.	1.3	41

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73	Progressive, episodic deformation in the Mexican Fold-Thrust Belt (central Mexico): evidence from isotopic dating of folds and faults. <i>International Geology Review</i> , 2014, 56, 734-755.	1.1	40
74	Remagnetizations and thrusting in the Idaho-Wyoming Overthrust Belt. <i>Journal of Geophysical Research</i> , 1990, 95, 4551-4559.	3.3	39
75	Relations between deformation and sediment-hosted copper mineralization: Evidence from the White Pine part of the Midcontinent rift system. <i>Geology</i> , 1992, 20, 427.	2.0	38
76	Reorientation mechanisms of phyllosilicates in the mudstone-to-slate transition at Lehigh Gap, Pennsylvania. <i>Journal of Structural Geology</i> , 1995, 17, 345-356.	1.0	38
77	Variation of illite/muscovite $^{40}\text{Ar}/^{39}\text{Ar}$ age spectra during progressive low-grade metamorphism: an example from the US Cordillera. <i>Contributions To Mineralogy and Petrology</i> , 2012, 164, 521-536.	1.2	38
78	Characteristics and Evolution of the Central Mobile Belt, Canadian Appalachians. <i>Journal of Geology</i> , 1988, 96, 535-547.	0.7	38
79	Constraints on the duration of tectonic processes: Protracted extension and deep-crustal rotation in the Grenville orogen. <i>Geology</i> , 1995, 23, 361.	2.0	37
80	^{40}Ar - ^{39}Ar geochronometry of pseudotachylytes by vacuum encapsulation: North Cascade Mountains, Washington, USA. <i>Geology</i> , 2001, 29, 51.	2.0	37
81	Fold dating: A new Ar/Ar illite dating application to constrain the age of deformation in shallow crustal rocks. <i>Journal of Structural Geology</i> , 2013, 54, 174-179.	1.0	36
82	Constraints on mineralization, fluid-rock interaction, and mass transfer during faulting at 2-3 km depth from the SAFOD drill hole. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	35
83	Dating the detachment fault system of the Ruby Mountains, Nevada: Significance for the kinematics of low-angle normal faults. <i>Tectonics</i> , 2010, 29, n/a-n/a.	1.3	35
84	Kinematic analysis of an en Ã©chelon continuous vein complex. <i>Journal of Structural Geology</i> , 1988, 10, 445-452.	1.0	34
85	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). <i>Sedimentary Geology</i> , 2008, 208, 27-35.	1.0	34
86	Late Proterozoic (ca. 930 Ma) extension in eastern Laurentia. <i>Bulletin of the Geological Society of America</i> , 2000, 112, 1522-1530.	1.6	33
87	Geology of eastern New World Island, Newfoundland: An accretionary terrane in the northeastern Appalachians. <i>Bulletin of the Geological Society of America</i> , 1986, 97, 932.	1.6	32
88	Preferred orientation of phyllosilicates: Effects of composition and stress on resedimented mudstone microfabrics. <i>Journal of Structural Geology</i> , 2011, 33, 1347-1358.	1.0	32
89	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. <i>Journal of Geology</i> , 2011, 119, 419-437.	0.7	32
90	Early rotation and late folding in the Pennsylvania salient (U.S. Appalachians): Evidence from calcite-twinning analysis of Paleozoic carbonates. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 796-804.	1.6	31

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91	Response of natural smectite to seismogenic heating and potential implications for the 2011 Tohoku earthquake in the Japan Trench. <i>Geology</i> , 2015, 43, 755-758.	2.0	30
92	Suturing and extensional reactivation in the Grenville orogen, Canada. <i>Geology</i> , 1997, 25, 507.	2.0	29
93	Primary curvature in the Mid-Continent Rift: Paleomagnetism of the Portage Lake Volcanics (northern Tj ETQq1 1 0.784314 rgBT /Ov	0.9	29
94	A FIB^{SEM} study of clay gouge from the SAFOD creeping section of the San Andreas Fault at ~ 2.7 km depth. <i>Journal of Structural Geology</i> , 2014, 69, 234-244.	1.0	29
95	Frictional melt pulses during a ~ 1.1 Ma earthquake along the Alpine Fault, New Zealand. <i>Earth and Planetary Science Letters</i> , 2003, 209, 39-52.	1.8	28
96	Timing of Iapetus Ocean rifting from Ar geochronology of pseudotachylytes in the St. Lawrence rift system of southern Quebec. <i>Geology</i> , 2012, 40, 443-446.	2.0	28
97	XRD-based $^{40}\text{Ar}/^{39}\text{Ar}$ age correction for fine-grained illite, with application to folded carbonates in the Monterrey Salient (northern Mexico). <i>Geochimica Et Cosmochimica Acta</i> , 2016, 181, 201-216.	1.6	28
98	Timing of Mississippi Valley-type mineralization: Relation to Appalachian orogenic events. <i>Geology</i> , 1990, 18, 1115.	2.0	27
99	Comparison of garnet-biotite, calcite-graphite, and calcite-dolomite thermometry in the Grenville Orogen; Ontario, Canada. <i>Contributions To Mineralogy and Petrology</i> , 1999, 134, 217-231.	1.2	27
100	Antarctic environmental variability since the late Miocene: ODP Site 745, the East Kerguelen sediment drift. <i>Earth and Planetary Science Letters</i> , 2002, 201, 127-142.	1.8	27
101	Clay mineral formation and fabric development in the DFD-1B borehole, central Alpine Fault, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2015, 58, 13-21.	1.0	27
102	Neogene history of the Deep Western Boundary Current at Rekohu sediment drift, Southwest Pacific (ODP Site 1124). <i>Marine Geology</i> , 2004, 205, 185-206.	0.9	26
103	Evolution of a rapidly slipping, active low-angle normal fault, Suckling-Dayman metamorphic core complex, SE Papua New Guinea. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 1333-1363.	1.6	26
104	Relative timing of calcite twinning strain and fold-thrust belt development; Hudson Valley fold-thrust belt, New York, U.S.A.. <i>Journal of Structural Geology</i> , 1998, 20, 21-31.	1.0	25
105	Meteoric fluid infiltration in crustal-scale normal fault systems as indicated by $\delta^{18}\text{O}$ and $\delta^2\text{H}$ geochemistry and $^{40}\text{Ar}/^{39}\text{Ar}$ dating of neofomed clays in brittle fault rocks. <i>Lithosphere</i> , 2016, 8, 587-600.	0.6	25
106	Magnetite dissolution and neocrystallization during cleavage formation: Paleomagnetic study of the Martinsburg Formation, Lehigh Gap, Pennsylvania. <i>Journal of Geophysical Research</i> , 1993, 98, 13799-13813.	3.3	24
107	Contradictions of slate formation resolved?. <i>Nature</i> , 1998, 392, 348-348.	13.7	24
108	Contrasting roles of detrital and authigenic phyllosilicates during slaty cleavage development. <i>Journal of Structural Geology</i> , 1996, 18, 615-623.	1.0	23

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109	Influence of mechanical compaction and chemical diagenesis on the microfabric and fluid flow properties of Gulf of Mexico mudstones. <i>Journal of Geochemical Exploration</i> , 2003, 78-79, 449-451.	1.5	23
110	Hydrogen and ⁴⁰ Ar/ ³⁹ Ar isotope evidence for multiple and protracted paleofluid flow events within the long-lived North Anatolian ⁴⁰ K/ ⁴⁰ Ar system (Turkey). <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1975-1987.	1.0	23
111	Variation in fold geometry in the Yuso basin, northern Spain: implications for the deformation regime. <i>Journal of Structural Geology</i> , 1986, 8, 879-886.	1.0	22
112	Paleogeography of some vestiges of Iapetus: Paleomagnetism of the Ordovician Robert's Arm, Summerford, and Chanceport Groups, central Newfoundland. <i>Bulletin of the Geological Society of America</i> , 1991, 103, 1564-1575.	1.6	22
113	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. <i>Tectonophysics</i> , 1993, 227, 17-30.	0.9	22
114	Discordant Silurian paleolatitudes for central Newfoundland: New paleomagnetic evidence from the Springdale Group. <i>Earth and Planetary Science Letters</i> , 1993, 120, 1-12.	1.8	22
115	Late Miocene to Pleistocene paleoceanographic records from the Feni and Gardar Drifts: Pliocene reduction in abyssal flow. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 236, 290-301.	1.0	22
116	The age and depth of exhumed friction melts along the Alpine fault, New Zealand. <i>Geology</i> , 2007, 35, 603.	2.0	22
117	Paleomagnetism of the Moreton's Harbour Group, northeastern Newfoundland Appalachians: Evidence for an Early Ordovician Island Arc near the Laurentian Margin of Iapetus. <i>Journal of Geophysical Research</i> , 1991, 96, 11689-11701.	3.3	21
118	Constraining clay hydration state and its role in active fault systems. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1039-1052.	1.0	21
119	Static recrystallization and preferred orientation of phyllosilicates: Michigamme Formation, northern Michigan, USA. <i>Journal of Structural Geology</i> , 2001, 23, 887-893.	1.0	20
120	A physical record of the Antarctic Circumpolar Current: Late Miocene to recent slowing of abyssal circulation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 275, 28-36.	1.0	20
121	Tectonic history of the Lunksoos Composite Terrane in the Maine Appalachians. <i>Tectonics</i> , 1990, 9, 719-734.	1.3	19
122	Fossil evidence for fault-derived stratigraphic repetition in the northeastern Newfoundland Appalachians. <i>Canadian Journal of Earth Sciences</i> , 1987, 24, 2337-2350.	0.6	18
123	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. <i>Precambrian Research</i> , 1996, 77, 41-57.	1.2	18
124	Phyllosilicate mineral assemblages of the SAFOD Pilot Hole and comparison with an exhumed segment of the San Andreas Fault System. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	18
125	Crystal fractionation in the friction melts of seismic faults (Alpine Fault, New Zealand). <i>Tectonophysics</i> , 2005, 402, 111-124.	0.9	18
126	Natural fault lubricants. <i>Nature Geoscience</i> , 2011, 4, 217-218.	5.4	18

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127	Fault gouge dating in the Southern Appalachians, USA. <i>Bulletin of the Geological Society of America</i> , 2014, 126, 639-651.	1.6	18
128	Paleomagnetism of the Lawrenceton Formation volcanic rocks, Silurian Botwood Group, Change Islands, Newfoundland. <i>Canadian Journal of Earth Sciences</i> , 1989, 26, 296-304.	0.6	17
129	Paleomagnetism and magnetic fabrics from the Springdale and Wigwam Redbeds of Newfoundland and their implications for the Silurian paleolatitude controversy. <i>Earth and Planetary Science Letters</i> , 1995, 132, 141-155.	1.8	17
130	Syn-folding remagnetization of Cambro-Ordovician carbonates from the Pennsylvania Salient post-dates oroclinal rotation. <i>Tectonophysics</i> , 2006, 422, 41-54.	0.9	17
131	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 Jämtland, central western Sweden. <i>Journal of Structural Geology</i> , 2000, 22, 245-258.	1.0	16
132	Newly-formed illite preserves fluid sources during folding of shale and limestone rocks; an example from the Mexican Fold-Thrust Belt. <i>Earth and Planetary Science Letters</i> , 2014, 391, 263-273.	1.8	16
133	Low-temperature AMS and the quantification of subfabrics in deformed rocks. <i>Tectonophysics</i> , 2014, 629, 55-62.	0.9	16
134	An unusual "crack-seal" vein geometry. <i>Journal of Structural Geology</i> , 1984, 6, 593-597.	1.0	15
135	Timing and spatial distribution of deformation in the Newfoundland Appalachians: a "multi-stage collision" history. <i>Tectonophysics</i> , 1987, 135, 15-24.	0.9	15
136	Deformation microfabrics of clay gouge, Lewis Thrust, Canada: a case for fault weakening from clay transformation. <i>Geological Society Special Publication</i> , 2001, 186, 103-112.	0.8	15
137	Late Paleoproterozoic (geon 18 and 17) reactivation of the Neoproterozoic Great Lakes Tectonic Zone, northern Michigan, USA: Evidence from kinematic analysis, thermobarometry and ⁴⁰ Ar/ ³⁹ Ar geochronology. <i>Precambrian Research</i> , 2007, 157, 144-168.	1.2	15
138	Quantitative X-Ray Powder Diffraction and the Illite Polytype Analysis Method for Direct Fault Rock Dating: A Comparison of Analytical Techniques. <i>Clays and Clay Minerals</i> , 2018, 66, 220-232.	0.6	15
139	Paleomagnetism of the Pennington Mountain terrane: A near-Laurentian back arc basin in the Maine Appalachians. <i>Journal of Geophysical Research</i> , 1995, 100, 10003-10011.	3.3	14
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