Ben A Van Der Pluijm

List of Publications by Year
in descending order

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	Evolution of magnetic fabrics during incipient deformation of mudrocks (Pyrenees, northern Spain). Tectonophysics, 1999, 307, 1-14.	2.2	253
2	Clay gouge. Journal of Structural Geology, 1999, 21, 1039-1048.	2.3	241
3	The dating of shallow faults in the Earth's crust. Nature, 2001, 412, 172-175.	27.8	224
4	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
5	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. Science, 2020, 369, 1338-1343.	12.6	202
6	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
7	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
8	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
9	Ordovician paleogeography and the evolution of the Iapetus ocean. Geology, 1997, 25, 159.	4.4	154
10	Evaluating magnetic lineations (AMS) in deformed rocks. Tectonophysics, 2002, 350, 283-298.	2.2	154
11	Oroclinal bending and evidence against the Pangea megashear: The Cantabria-Asturias arc (northern) Tj ETQq1 1 0.784314 rgBT /Overlo	4.4	145
12	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
13	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
14	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
15	Composite magnetic anisotropy fabrics: experiments, numerical models and implications for the quantification of rock fabrics. Tectonophysics, 1993, 220, 1-12.	2.2	123
16	Nanocoatings of clay and creep of the San Andreas fault at Parkfield, California. Geology, 2010, 38, 667-670.	4.4	121
17	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
18	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

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19	Paleostress in Cratonic North America: Implications for Deformation of Continental Interiors. Science, 1997, 277, 794-796.	12.6	107
20	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
21	Late Paleozoic deformation of the cratonic carbonate cover of eastern North America. Geology, 1989, 17, 416.	4.4	97
22	Restored transect across the exhumed Grenville orogen of Laurentia and Amazonia, with implications for crustal architecture. Geology, 2006, 34, 669.	4.4	97
23	Mineralogical characterization of protolith and fault rocks from the SAFOD Main Hole. Geophysical Research Letters, 2006, 33, .	4.0	93
24	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
25	Fault dating in the Canadian Rocky Mountains: Evidence for late Cretaceous and early Eocene orogenic pulses. Geology, 2006, 34, 837.	4.4	78
26	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
27	Growth and retrograde zoning in garnets from high-grade, metapelites: Implications for pressure-temperature paths. Geology, 1990, 18, 839.	4.4	76
28	Quantifying transient erosion of orogens with detrital thermochronology from syntectonic basin deposits. Earth and Planetary Science Letters, 2007, 256, 147-161.	4.4	75
29	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
30	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
31	Slaty cleavage development and magnetic anisotropy fabrics. Journal of Geophysical Research, 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. Earth and Planetary Science Letters, 2011, 307, 180-190.	4.4	67
33	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
34	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
35	Analytical Electron Microscopy and the Problem of Potassium Diffusion1. Clays and Clay Minerals, 1988, 36, 498-504.	1.3	63
36	Origin and significance of clay-coated fractures in mudrock fragments of the SAFOD borehole (Parkfield, California). Geophysical Research Letters, 2006, 33, .	4.0	63

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37	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
38	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
39	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
40	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
41	High-resolution X-ray texture goniometry. Journal of Structural Geology, 1994, 16, 1029-1032.	2.3	58
42	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
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. Sedimentary Geology, 2010, 226, 42-53.	2.1	55
44	Synorogenic Collapse: A Perspective from the Middle Crust, the Proterozoic Grenville Orogen. Science, 1991, 254, 695-698.	12.6	54
45	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
46	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
47	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
48	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
49	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
50	Sevierâ€“Laramide deformation of the continental interior from calcite twinning analysis, west-central North America. Tectonophysics, 1999, 305, 275-286.	2.2	52
51	Phyllosilicate fabric characterization by Low-Temperature Anisotropy of Magnetic Susceptibility (LT-AMS). Geophysical Research Letters, 2002, 29, 68-1-68-4.	4.0	52
52	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
53	Extension in the Central Metasedimentary Belt of the Ontario Grenville: Timing and tectonic significance. Geology, 1989, 17, 161.	4.4	51
54	Structural sequences and styles of subsidence in the Michigan basin. Bulletin of the Geological Society of America, 1999, 111, 974-991.	3.3	51

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55	Quantification of fabrics in clay gouge from the Carboneras fault, Spain and implications for fault behavior. Tectonophysics, 2009, 475, 554-562.	2.2	49
56	Grainâ€scale deformation and the fold test â€•evaluation of synâ€folding remagnetization. Geophysical Research Letters, 1987, 14, 155-157.	4.0	48
57	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
58	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
59	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
60	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
61	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
62	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
63	The fabric of consolidation in Gulf of Mexico mudstones. Marine Geology, 2012, 295-298, 77-85.	2.1	47
64	Early history of the Michigan basin: Subsidence and Appalachian tectonics. Geology, 1990, 18, 1195.	4.4	46
65	Use of grain size and magnetic fabric analyses to distinguish among depositional environments. Paleoceanography, 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. Geological Magazine, 1986, 123, 673-681.	1.5	45
67	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
68	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
69	The quantification of crystallographic preferred orientation using magnetic anisotropy. Journal of Structural Geology, 1993, 15, 113-116.	2.3	44
70	Early Paleozoic paleogeography and accretionary history of the Newfoundland Appalachians. Geology, 1990, 18, 898.	4.4	43
71	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
72	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

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73	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
74	Remagnetizations and thrusting in the Idahoâ€Wyoming Overthrust Belt. Journal of Geophysical Research, 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. Geology, 1992, 20, 427.	4.4	38
76	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
77	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
78	Characteristics and Evolution of the Central Mobile Belt, Canadian Appalachians. Journal of Geology, 1988, 96, 535-547.	1.4	38
79	Constraints on the duration of tectonic processes: Protracted extension and deep-crustal rotation in the Grenville orogen. Geology, 1995, 23, 361.	4.4	37
80	40Ar-39Ar geochronometry of pseudotachylytes by vacuum encapsulation: North Cascade Mountains, Washington, USA. Geology, 2001, 29, 51.	4.4	37
81	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
82	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
83	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
84	Kinematic analysis of an en Ã©chelonâ€"continuous vein complex. Journal of Structural Geology, 1988, 10, 445-452.	2.3	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). Sedimentary Geology, 2008, 208, 27-35.	2.1	34
86	Late Proterozoic (ca. 930 Ma) extension in eastern Laurentia. Bulletin of the Geological Society of America, 2000, 112, 1522-1530.	3.3	33
87	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
88	Preferred orientation of phyllosilicates: Effects of composition and stress on resedimented mudstone microfabrics. Journal of Structural Geology, 2011, 33, 1347-1358.	2.3	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. Journal of Geology, 2011, 119, 419-437.	1.4	32
90	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

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91	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
92	Suturing and extensional reactivation in the Grenville orogen, Canada. Geology, 1997, 25, 507.	4.4	29
93	Primary curvature in the Mid-Continent Rift: Paleomagnetism of the Portage Lake Volcanics (northern) Tj ETQq1 1 0.784314 rgBT /Overl	2.2	29
94	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
95	Frictional melt pulses during a â^¼1.1 Ma earthquake along the Alpine Fault, New Zealand. Earth and Planetary Science Letters, 2003, 209, 39-52.	4.4	28
96	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
97	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
98	Timing of Mississippi Valley-type mineralization: Relation to Appalachian orogenic events. Geology, 1990, 18, 1115.	4.4	27
99	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
100	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
101	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
102	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
103	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
104	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
105	Meteoric fluid infiltration in crustal-scale normal fault systems as indicated by Î´¹⁸O and Î´²H geochemistry and⁴⁰Ar/³⁹Ar dating of neoformed clays in brittle fault rocks. Lithosphere, 2016, 8, 587-600.	1.4	25
106	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
107	Contradictions of slate formation resolved?. Nature, 1998, 392, 348-348.	27.8	24
108	Contrasting roles of detrital and authigenic phyllosilicates during slaty cleavage development. Journal of Structural Geology, 1996, 18, 615-623.	2.3	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. Journal of Geochemical Exploration, 2003, 78-79, 449-451.	3.2	23
110	Hydrogen and ⁴⁰<scp>A</scp>r/³⁹<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
111	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
112	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
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. Tectonophysics, 1993, 227, 17-30.	2.2	22
114	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
115	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
116	The age and depth of exhumed friction melts along the Alpine fault, New Zealand. Geology, 2007, 35, 603.	4.4	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. Journal of Geophysical Research, 1991, 96, 11689-11701.	3.3	21
118	Constraining clay hydration state and its role in active fault systems. Geochemistry, Geophysics, Geosystems, 2013, 14, 1039-1052.	2.5	21
119	Static recrystallization and preferred orientation of phyllosilicates: Michigamme Formation, northern Michigan, USA. Journal of Structural Geology, 2001, 23, 887-893.	2.3	20
120	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
121	Tectonic history of the Lunksoos Composite Terrane in the Maine Appalachians. Tectonics, 1990, 9, 719-734.	2.8	19
122	Fossil evidence for fault-derived stratigraphic repetition in the northeastern Newfoundland Appalachians. Canadian Journal of Earth Sciences, 1987, 24, 2337-2350.	1.3	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. Precambrian Research, 1996, 77, 41-57.	2.7	18
124	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
125	Crystal fractionation in the friction melts of seismic faults (Alpine Fault, New Zealand). Tectonophysics, 2005, 402, 111-124.	2.2	18
126	Natural fault lubricants. Nature Geoscience, 2011, 4, 217-218.	12.9	18

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127	Fault gouge dating in the Southern Appalachians, USA. Bulletin of the Geological Society of America, 2014, 126, 639-651.	3.3	18
128	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
129	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
130	Syn-folding remagnetization of Cambro-Ordovician carbonates from the Pennsylvania Salient post-dates oroclinal rotation. Tectonophysics, 2006, 422, 41-54.	2.2	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 JÃmtland, central western Sweden. Journal of Structural Geology, 2000, 22, 245-258.	2.3	16
132	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
133	Low-temperature AMS and the quantification of subfabrics in deformed rocks. Tectonophysics, 2014, 629, 55-62.	2.2	16
134	An unusual â€˜crack-sealâ€™ vein geometry. Journal of Structural Geology, 1984, 6, 593-597.	2.3	15
135	Timing and spatial distribution of deformation in the Newfoundland Appalachians: a â€œmulti-stage collisionâ€• history. Tectonophysics, 1987, 135, 15-24.	2.2	15
136	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
137	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
138	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
139	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
140	Evolution of deep-crustal normal faults: constraints from thermobarometry in the Grenville Orogen, Ontario, Canada. Tectonophysics, 1996, 265, 83-100.	2.2	14
141	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
142	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
143	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
144	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

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145	Exhumation of a collisional orogen: A perspective from the North American Grenville Province. , 2004, , 391-410.		12
146	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
147	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
148	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
149	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
150	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
151	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
152	Nature of the Elzevirâ€"Mazinaw domain boundary, Grenville Orogen, Ontario. Canadian Journal of Earth Sciences, 1997, 34, 976-991.	1.3	9
153	Remagnetization in the Tennessee salient, Southern Appalachians, USA: Constraints on the timing of deformation. Tectonophysics, 2009, 474, 709-722.	2.2	9
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