

Paul D. Bons

List of Publications by Year in descending order

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147
papers

5,363
citations

70961

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65
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177
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177
docs citations

177
times ranked

3528
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the formation of tectonic veins and their microstructures. <i>Journal of Structural Geology</i> , 2012, 43, 33-62.	1.0	507
2	Mechanisms of fluid flow and fluid-rock interaction in fossil metamorphic hydrothermal systems inferred from vein-wallrock patterns, geometry and microstructure. <i>Geofluids</i> , 2001, 1, 137-162.	0.3	233
3	The formation of large quartz veins by rapid ascent of fluids in mobile hydrofractures. <i>Tectonophysics</i> , 2001, 336, 1-17.	0.9	147
4	Development of crystal morphology during unitaxial growth in a progressively widening vein: II. Numerical simulations of the evolution of antitaxial fibrous veins. <i>Journal of Structural Geology</i> , 2001, 23, 873-885.	1.0	122
5	Divergent double subduction: Tectonic and petrologic consequences. <i>Geology</i> , 1997, 25, 755.	2.0	113
6	Crystallographic preferred orientation development by dissolution-precipitation creep. <i>Journal of Structural Geology</i> , 2000, 22, 1713-1722.	1.0	107
7	Elle: the numerical simulation of metamorphic and deformation microstructures. <i>Computers and Geosciences</i> , 2001, 27, 17-30.	2.0	99
8	Hydrothermal vein formation by extension-driven dewatering of the middle crust: An example from SW Germany. <i>Earth and Planetary Science Letters</i> , 2009, 286, 387-395.	1.8	94
9	The development of oblique preferred orientations in zeolite films and membranes. <i>Microporous and Mesoporous Materials</i> , 2003, 62, 9-16.	2.2	87
10	Melt extraction and accumulation from partially molten rocks. <i>Lithos</i> , 2004, 78, 25-42.	0.6	87
11	Development of crystal morphology during unitaxial growth in a progressively widening vein: I. The numerical model. <i>Journal of Structural Geology</i> , 2001, 23, 865-872.	1.0	84
12	On the applicability of Fick's law to diffusion in inhomogeneous systems. <i>European Journal of Physics</i> , 2005, 26, 913-925.	0.3	84
13	New experiment to model self-organized critical transport and accumulation of melt and hydrocarbons from their source rocks. <i>Geology</i> , 2001, 29, 919.	2.0	79
14	Fluid mixing from below in unconformity-related hydrothermal ore deposits. <i>Geology</i> , 2014, 42, 1035-1038.	2.0	78
15	A tale of two viscosities. <i>Journal of Structural Geology</i> , 2009, 31, 719-736.	1.0	75
16	Evaluation of sampling methods for fracture network characterization using outcrops. <i>AAPG Bulletin</i> , 2013, 97, 1545-1566.	0.7	74
17	Experimental simulation of the formation of fibrous veins by localised dissolution-precipitation creep. <i>Mineralogical Magazine</i> , 1997, 61, 53-63.	0.6	73
18	A new stylolite classification scheme to estimate compaction and local permeability variations. <i>Sedimentary Geology</i> , 2016, 346, 60-71.	1.0	69

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19	Stepwise accumulation and ascent of magmas. <i>Journal of Metamorphic Geology</i> , 2001, 19, 627-633.	1.6	67
20	The influence of strain localisation on the rotation behaviour of rigid objects in experimental shear zones. <i>Journal of Structural Geology</i> , 2002, 24, 485-499.	1.0	67
21	Syndeformational grain growth: microstructures and kinetics. <i>Journal of Structural Geology</i> , 1992, 14, 1101-1109.	1.0	66
22	A newly defined Late Ordovician magmatic-thermal event in the Mt Painter Province, northern Flinders Ranges, South Australia. <i>Australian Journal of Earth Sciences</i> , 2003, 50, 611-631.	0.4	64
23	The formation of antitaxial calcite veins with well-developed fibres, Oppaminda Creek, South Australia. <i>Journal of Structural Geology</i> , 2005, 27, 231-248.	1.0	64
24	Multiscale modeling of ice deformation behavior. <i>Journal of Structural Geology</i> , 2014, 61, 78-108.	1.0	64
25	Are polymers suitable rock analogs?. <i>Tectonophysics</i> , 2002, 350, 35-47.	0.9	63
26	The formation of veins and their microstructures. <i>Journal of the Virtual Explorer</i> , 0, 02, .	0.0	63
27	Reactivity of dolomitizing fluids and Mg source evaluation of fault-controlled dolomitization at the Benic-Assim outcrop analogue (Maestrat basin, E Spain). <i>Marine and Petroleum Geology</i> , 2014, 55, 26-42.	1.5	62
28	Numerical modelling of porphyroclast and porphyroblast rotation in anisotropic rocks. <i>Tectonophysics</i> , 2013, 587, 4-29.	0.9	61
29	Origin and pre-Cenozoic evolution of the south Qiangtang basement, Central Tibet. <i>Tectonophysics</i> , 2014, 623, 52-66.	0.9	61
30	Numerical simulations of polycrystal growth in veins. <i>Journal of Structural Geology</i> , 2005, 27, 217-230.	1.0	59
31	Numerical simulation of fibre growth in antitaxial strain fringes. <i>Journal of Structural Geology</i> , 2000, 22, 1311-1324.	1.0	56
32	Converging flow and anisotropy cause large-scale folding in Greenland's ice sheet. <i>Nature Communications</i> , 2016, 7, 11427.	5.8	56
33	Î objects as a gauge for stress sensitivity of strain rate in mylonites. <i>Earth and Planetary Science Letters</i> , 1993, 120, 239-245.	1.8	53
34	Micro-shear zones in experimentally deformed octachloropropane. <i>Journal of Structural Geology</i> , 1999, 21, 323-334.	1.0	52
35	The analysis of progressive deformation in rock analogues. <i>Journal of Structural Geology</i> , 1993, 15, 403-411.	1.0	51
36	Apparent boudinage in dykes. <i>Journal of Structural Geology</i> , 2004, 26, 625-636.	1.0	49

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37	Finding what is now not there anymore: Recognizing missing fluid and magma volumes. <i>Geology</i> , 2008, 36, 851.	2.0	49
38	Deformation of melt-bearing systems—insight from in situ grain-scale analogue experiments. <i>Journal of Structural Geology</i> , 2005, 27, 1666-1679.	1.0	48
39	New constraints on Phanerozoic magmatic and hydrothermal events in the Mt Painter Province, South Australia. <i>Gondwana Research</i> , 2013, 24, 700-712.	3.0	48
40	Single layer folding in simple shear. <i>Journal of Structural Geology</i> , 2013, 50, 209-220.	1.0	47
41	The development of $\hat{\Gamma}$ -clasts in non-linear viscous materials: a numerical approach. <i>Tectonophysics</i> , 1997, 270, 29-41.	0.9	46
42	Strain localization and porphyroclast rotation. <i>Geology</i> , 2011, 39, 275-278.	2.0	43
43	The Jabal Akhdar dome in the Oman Mountains: Evolution of a dynamic fracture system. <i>Numerische Mathematik</i> , 2014, 314, 1104-1139.	0.7	43
44	A new type of numerical experiment on the spatial and temporal patterns of localization of deformation in a material with a coupling of grain size and rheology. <i>Earth and Planetary Science Letters</i> , 2005, 239, 309-326.	1.8	40
45	Liquid-distribution and attainment of textural equilibrium in a partially-molten crystalline system with a high-dihedral-angle liquid phase. <i>Earth and Planetary Science Letters</i> , 2007, 262, 517-532.	1.8	40
46	Full-field predictions of ice dynamic recrystallisation under simple shear conditions. <i>Earth and Planetary Science Letters</i> , 2016, 450, 233-242.	1.8	38
47	Fracture network evaluation program (FraNEP): A software for analyzing 2D fracture trace-line maps. <i>Computers and Geosciences</i> , 2013, 60, 11-22.	2.0	36
48	Dynamic recrystallisation of ice aggregates during co-axial viscoplastic deformation: a numerical approach. <i>Journal of Glaciology</i> , 2016, 62, 359-377.	1.1	36
49	Activation of stylolites as conduits for overpressured fluid flow in dolomitized platform carbonates. <i>Geological Society Special Publication</i> , 2018, 459, 157-176.	0.8	36
50	The influence of matrix rheology and vorticity on fabric development of populations of rigid objects during plane strain deformation. <i>Tectonophysics</i> , 2002, 351, 315-329.	0.9	35
51	Greenland Ice Sheet: Higher Nonlinearity of Ice Flow Significantly Reduces Estimated Basal Motion. <i>Geophysical Research Letters</i> , 2018, 45, 6542-6548.	1.5	35
52	Small-scale disturbances in the stratigraphy of the NEEM ice core: observations and numerical model simulations. <i>Cryosphere</i> , 2016, 10, 359-370.	1.5	34
53	Early Cretaceous exhumation of the Qiangtang Terrane during collision with the Lhasa Terrane, Central Tibet. <i>Terra Nova</i> , 2017, 29, 382-391.	0.9	34
54	Crystallographic preferred orientations of ice deformed in direct-shear experiments at low temperatures. <i>Cryosphere</i> , 2019, 13, 351-371.	1.5	34

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55	Development of antitaxial strain fringes during non-coaxial deformation: an experimental study. <i>Journal of Structural Geology</i> , 2003, 25, 263-275.	1.0	33
56	Strain and vorticity analysis using small-scale faults and associated drag folds. <i>Journal of Structural Geology</i> , 2007, 29, 1882-1899.	1.0	33
57	A new front-tracking method to model anisotropic grain and phase boundary motion in rocks. <i>Computers and Geosciences</i> , 2008, 34, 201-212.	2.0	32
58	Numerical simulations of microstructures using the Elle platform: A modern research and teaching tool. <i>Journal of the Geological Society of India</i> , 2010, 75, 110-127.	0.5	32
59	When do folds unfold during progressive shear?. <i>Geology</i> , 2013, 41, 563-566.	2.0	32
60	Computer experiments to investigate complex fibre patterns in natural antitaxial strain fringes. <i>Journal of Metamorphic Geology</i> , 2001, 19, 217-231.	1.6	31
61	Dynamic recrystallization during deformation of polycrystalline ice: insights from numerical simulations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20150346.	1.6	31
62	Anisotropic scaling of tectonic stylolites: A fossilized signature of the stress field?. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	30
63	Deformation of a crystalline aggregate with a small percentage of high-dihedral-angle liquid: Implications for core-mantle differentiation during planetary formation. <i>Earth and Planetary Science Letters</i> , 2011, 305, 124-134.	1.8	30
64	Dominance of microstructural processes and their effect on microstructural development: insights from numerical modelling of dynamic recrystallization. <i>Geological Society Special Publication</i> , 2002, 200, 149-170.	0.8	29
65	South Variscan terrane accretion: Sardinian constraints on the intra-Alpine Variscides. <i>Journal of Structural Geology</i> , 2006, 28, 1277-1291.	1.0	29
66	Experimental deformation of two-phase rock analogues. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 175, 221-229.	2.6	28
67	Analogue experiments and numerical modelling on the relation between microgeometry and flow properties of polyphase materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 175, 237-245.	2.6	28
68	Age and metasomatic alteration of the Mt Neill Granite at Nooldoonooldoona Waterhole, Mt Painter Inlier, South Australia. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 721.	0.4	27
69	The origin of fibrous veins: constraints from geochemistry. <i>Geological Society Special Publication</i> , 2002, 200, 103-118.	0.8	27
70	Disequilibrium melt distribution during static recrystallization. <i>Geology</i> , 2003, 31, 1009.	2.0	27
71	Stylolite-controlled diagenesis of a mudstone carbonate reservoir: A case study from the Zechstein_2_Carbonate (Central European Basin, NW Germany). <i>Marine and Petroleum Geology</i> , 2019, 109, 88-107.	1.5	26
72	The Cretaceous crustal shortening and thickening of the South Qiangtang Terrane and implications for proto-Tibetan Plateau formation. <i>Gondwana Research</i> , 2020, 78, 141-155.	3.0	26

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73	The integration of experimental in-situ EBSD observations and numerical simulations: a novel technique of microstructural process analysis. <i>Journal of Microscopy</i> , 2004, 213, 273-284.	0.8	25
74	Granite formation: Stepwise accumulation of melt or connected networks?. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2009, 100, 105-115.	0.3	25
75	Long-lived crustal-scale fluid flow: the hydrothermal mega-breccia of Hidden Valley, Mt. Painter Inlier, South Australia. <i>International Journal of Earth Sciences</i> , 2013, 102, 1219-1236.	0.9	25
76	Tectonic evolution and high-pressure rock exhumation in the Qiangtang terrane, central Tibet. <i>Solid Earth</i> , 2015, 6, 457-473.	1.2	24
77	Competition between grain growth and grain-size reduction in polar ice. <i>Journal of Glaciology</i> , 2011, 57, 942-948.	1.1	23
78	Metasomatism and metallogeny of A-type granites of the Mt Painter Mt Babbage Inliers, South Australia. <i>Lithos</i> , 2012, 151, 83-104.	0.6	22
79	Strain localization and dynamic recrystallization in the ice-air aggregate: a numerical study. <i>Cryosphere</i> , 2016, 10, 3071-3089.	1.5	22
80	Subgrain Rotation Recrystallization During Shearing: Insights From Full-Field Numerical Simulations of Halite Polycrystals. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8810-8827.	1.4	22
81	An apparatus to experimentally model the dynamics of ductile shear zones. <i>Tectonophysics</i> , 1996, 256, 145-164.	0.9	21
82	A general unified expression for solute and heat dispersion in homogeneous porous media. <i>Water Resources Research</i> , 2013, 49, 6166-6178.	1.7	20
83	Analytical model for tracer dispersion in porous media. <i>Physical Review E</i> , 2012, 85, 011306.	0.8	19
84	Influence of bubbles on grain growth in ice. <i>Journal of Structural Geology</i> , 2014, 61, 123-132.	1.0	19
85	Transport efficiency and dynamics of hydraulic fracture networks. <i>Frontiers in Physics</i> , 2015, 3, .	1.0	19
86	Layered intrusions and traffic jams. <i>Geology</i> , 2015, 43, 71-74.	2.0	19
87	Crustal-scale folding: Palaeozoic deformation of the Mt Painter Inlier, South Australia. <i>Geological Society Special Publication</i> , 2014, 394, 53-77.	0.8	17
88	Erosion rates on subalpine paleosurfaces in the western Mediterranean by in-situ ¹⁰ Be concentrations in granites: implications for surface processes and long-term landscape evolution in Corsica (France). <i>International Journal of Earth Sciences</i> , 2008, 97, 549-564.	0.9	16
89	Modelo de flujo de fractura basado en imágenes satelitales de Wajid Sandstone, Saudi Arabia. <i>Hydrogeology Journal</i> , 2010, 18, 1699-1712.	0.9	16
90	What happens to deformed rocks after deformation? A refined model for recovery based on numerical simulations. <i>Geological Society Special Publication</i> , 2014, 394, 215-234.	0.8	16

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91	Emplacement and geochemical evolution of highly evolved syenites investigated by a combined structural and geochemical field study: The Iujavrites of the Ilímaussaq complex, SW Greenland. <i>Lithos</i> , 2015, 231, 62-76.	0.6	16
92	Stylolites and stylolite networks as primary controls on the geometry and distribution of carbonate diagenetic alterations. <i>Marine and Petroleum Geology</i> , 2022, 136, 105444.	1.5	16
93	Freestone dykes—“an alkali-rich Jurassic dyke population in eastern Victoria. <i>Australian Journal of Earth Sciences</i> , 1999, 46, 1-9.	0.4	15
94	Age and metasomatic alteration of the Mt Neill Granite at Nooldoonooldoona Waterhole, Mt Painter Inlier, South Australia. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 721-730.	0.4	15
95	Porphyroblast rotation versus nonrotation: Conflict resolution!. <i>Geology</i> , 2009, 37, e182-e188.	2.0	15
96	Crystal mat-formation as an igneous layering-forming process: Textural and geochemical evidence from the “lower layered” nepheline syenite sequence of the Ilímaussaq complex, South Greenland. <i>Lithos</i> , 2015, 224-225, 295-309.	0.6	15
97	Out of Africa by spontaneous migration waves. <i>PLoS ONE</i> , 2019, 14, e0201998.	1.1	15
98	The effect of dynamic recrystallisation on the rheology and microstructures of partially molten rocks. <i>Journal of Structural Geology</i> , 2019, 118, 224-235.	1.0	15
99	A stratigraphy-based method for reconstructing ice core orientation. <i>Annals of Glaciology</i> , 2021, 62, 191-202.	2.8	15
100	The Relevance of Grain Dissection for Grain Size Reduction in Polar Ice: Insights from Numerical Models and Ice Core Microstructure Analysis. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	14
101	Quantitative analysis of stylolite networks in different platform carbonate facies. <i>Marine and Petroleum Geology</i> , 2020, 114, 104203.	1.5	14
102	Modeling of anisotropic grain growth in minerals. , 2001, , .		13
103	Potential evidence of fossilised Neoproterozoic deep life: SEM observations on calcite veins from Oppaminda Creek, Arkaroola, South Australia. <i>International Journal of Earth Sciences</i> , 2009, 98, 327-343.	0.9	13
104	Time for anisotropy: The significance of mechanical anisotropy for the development of deformation structures. <i>Journal of Structural Geology</i> , 2019, 125, 41-47.	1.0	12
105	Subduction Reversal in a Divergent Double Subduction Zone Drives the Exhumation of Southern Qiangtang Blueschist-bearing Mālange, Central Tibet. <i>Tectonics</i> , 2020, 39, e2019TC006051.	1.3	12
106	Self consistent modelling of the creep behavior of mixtures of camphor and octachloropropane. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 175, 231-236.	2.6	11
107	Strain analysis in deformation experiments with pattern matching or a stereoscope. <i>Journal of Structural Geology</i> , 1995, 17, 917-921.	1.0	11
108	Phase-field simulations of partial melts in geological materials. <i>Computers and Geosciences</i> , 2009, 35, 1907-1916.	2.0	11

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109	GRAVITATIONAL FRACTIONATION OF ISOTOPES AND DISSOLVED COMPONENTS AS A FIRST-ORDER PROCESS IN CRUSTAL FLUIDS. <i>Economic Geology</i> , 2013, 108, 1195-1201.	1.8	11
110	From Migmatites to Plutons: Power Law Relationships in the Evolution of Magmatic Bodies. <i>Pure and Applied Geophysics</i> , 2015, 172, 1787-1801.	0.8	11
111	Comment on "First records of syn-diagenetic non-tectonic folding in Quaternary thermogene travertines caused by hydrothermal incremental veining" by Billi et al. <i>Tectonophysics</i> 700-701 (2017) 60-79. <i>Tectonophysics</i> , 2017, 721, 491-500.	0.9	11
112	Shear localisation in anisotropic, non-linear viscous materials that develop a CPO: A numerical study. <i>Journal of Structural Geology</i> , 2019, 124, 81-90.	1.0	11
113	Animations of dynamic recrystallization with the numerical modelling system Elle. <i>Journal of the Virtual Explorer</i> , 0, 04, .	0.0	11
114	Divergent double subduction: Tectonic and petrologic consequences: Comment and Reply. <i>Geology</i> , 1998, 26, 1051.	2.0	10
115	High-strain deformation of conglomerates: Numerical modelling, strain analysis, and an example from the Wutai Mountains, North China Craton. <i>Journal of Structural Geology</i> , 2018, 114, 222-234.	1.0	9
116	Image analysis of microstructures in natural and experimental samples. <i>Computer Methods in the Geosciences</i> , 1996, , 135-166.	0.0	8
117	Mayer Kangri metamorphic complexes in Central Qiangtang (Tibet, western China): implications for the Triassic-early Jurassic tectonics associated with the Paleo-Tethys Ocean. <i>International Journal of Earth Sciences</i> , 2018, 107, 757-776.	0.9	8
118	Petrogenesis and tectonic setting of the early-middle triassic subduction-related granite in the eastern segment of East Kunlun: evidences from petrology, geochemistry, and zircon U-Pb-Hf isotopes. <i>International Geology Review</i> , 2022, 64, 698-721.	1.1	8
119	A vector of high-temperature paleo-fluid flow deduced from mass transfer across permeability barriers (quartz veins). <i>Geofluids</i> , 2005, 5, 67-82.	0.3	7
120	Tension gash-like back-arc basin opening and its control on subduction rollback inferred from Tertiary faulting in Sardinia. <i>Tectonics</i> , 2006, 25, n/a-n/a.	1.3	7
121	Interaction between Crustal-Scale Darcy and Hydrofracture Fluid Transport: A Numerical Study. <i>Geofluids</i> , 2020, 2020, 1-14.	0.3	7
122	Comment on "Exceptionally high heat flux needed to sustain the Northeast Greenland Ice Stream" by Smith-Johnsen et al. (2020). <i>Cryosphere</i> , 2021, 15, 2251-2254.	1.5	7
123	Analogue modelling of segregation and ascent of magma. <i>Journal of the Virtual Explorer</i> , 0, 04, .	0.0	6
124	Hillslope evolution by nonlinear creep and landsliding: An experimental study: Comment and Reply. <i>Geology</i> , 2002, 30, 481.	2.0	4
125	The numerical simulation of microstructure. <i>Geological Society Special Publication</i> , 2002, 200, 137-147.	0.8	4
126	Accumulation and self-organization in hydrofracture transport of fluids. <i>Journal of Geochemical Exploration</i> , 2003, 78-79, 667-670.	1.5	4

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127	The Application of <i>In Situ</i> 3D X-Ray Diffraction in Annealing Experiments: First Interpretation of Substructure Development in Deformed NaCl. <i>Materials Science Forum</i> , 2012, 715-716, 461-466.	0.3	4
128	Simplified numerical model for clarifying scaling behavior in the intermediate dispersion regime in homogeneous porous media. <i>Computer Physics Communications</i> , 2014, 185, 3291-3301.	3.0	4
129	Seismic Anisotropy of Temperate Ice in Polar Ice Sheets. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2020JF005714.	1.0	4
130	Origin of Meteoric Fluids in Extensional Detachments. <i>Geofluids</i> , 2020, 2020, 1-8.	0.3	4
131	Texture characterization of some large hailstones with an automated technique. <i>Journal of Glaciology</i> , 2021, 67, 1190-1204.	1.1	4
132	Can changes in deformation regimes be inferred from crystallographic preferred orientations in polar ice?. <i>Cryosphere</i> , 2022, 16, 2009-2024.	1.5	4
133	Relationship between stylolite morphology and the sealing potential of stylolite-bearing carbonate cap rocks. <i>Bulletin of the Geological Society of America</i> , 2023, 135, 689-711.	1.6	4
134	Numerical Experiments into the Localization of Deformation during Recrystallization Flow. <i>Materials Science Forum</i> , 2004, 467-470, 647-652.	0.3	3
135	Granite formation: Stepwise accumulation of melt or connected networks?. , 2010, , .		2
136	Using elliptical best fits to characterize dental shapes. <i>American Journal of Physical Anthropology</i> , 2016, 159, 342-347.	2.1	2
137	VIEPS/Mainz Microstructure Course. <i>Journal of the Virtual Explorer</i> , 0, 02, .	0.0	2
138	Animations of progressive fibrous vein and fringe formation. <i>Journal of the Virtual Explorer</i> , 0, 04, .	0.0	2
139	Folds inside pebbles: When do they form during conglomerate deformation? Numerical modelling and comparison with the Hutuo Group conglomerates, North China Craton. <i>Journal of Structural Geology</i> , 2022, 160, 104620.	1.0	2
140	Photograph of the Month: Antitaxial fibrous calcite vein, Arkaroola, South Australia. <i>Journal of Structural Geology</i> , 2009, 31, 627.	1.0	1
141	Ice microstructures and microdynamics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160438.	1.6	1
142	Numerical simulation of disequilibrium structures in solid-melt systems during grain-growth. <i>Journal of the Virtual Explorer</i> , 0, 15, .	0.0	1
143	Structural Controls on Basin- and Crustal-Scale Fluid Flow and Resulting Mineral Reactions. <i>Geofluids</i> , 2022, 2022, 1-6.	0.3	1
144	Microdynamics of ice. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160437.	1.6	0

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145	Controls on Convective Fluid Flow Systems Resulting in the Formation of Massive Diagenetic Alterations. <i>Advances in Science, Technology and Innovation</i> , 2019, , 223-224.	0.2	0
146	Microprocess Simulations. , 2008, , 75-206.		0
147	Case studies and coupling of processes. , 2008, , 207-266.		0