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List of Publications by Year
in descending order

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30	1,232	567281 15	477307 29
papers	citations	h-index	g-index

30	30	30	1172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Equation of state and sound wave velocities of fayalite at high pressures and temperatures: implications for the seismic properties of the martian mantle. European Journal of Mineralogy, 2021, 33, 519-535.	1.3	2
2	Textural evolution of metallic phases in a convecting magma ocean: A 3D microtomography study. Physics of the Earth and Planetary Interiors, 2021, 319, 106771.	1.9	2
3	Reevaluation of metal interconnectivity in a partially molten silicate matrix using 3D microtomography. Physics of the Earth and Planetary Interiors, 2020, 308, 106571.	1.9	2
4	Crystal clustering in magmas: Insights from HPâ€“HT experiments. Comptes Rendus - Geoscience, 2019, 351, 574-585.	1.2	2
5	Bulk modulus of Fe-rich olivines corrected for non-hydrostaticity. Comptes Rendus - Geoscience, 2019, 351, 86-94.	1.2	5
6	Transport of Volatile-rich Melt from the Mantle Transition Zone via Compaction Pockets: Implications for Mantle Metasomatism and the Origin of Alkaline Lavas in the Turkishâ€“Iranian Plateau. Journal of Petrology, 2018, 59, 2273-2310.	2.8	24
7	Elastic flexure controls magma trajectories and explains the offset of primary volcanic activity upstream of mantle plume axis at la RÃ©union and Hawaii hotspot islands. Earth and Planetary Science Letters, 2017, 462, 142-156.	4.4	5
8	Strength of fayalite up to 8.5ÂGPa. Physics and Chemistry of Minerals, 2017, 44, 403-417.	0.8	1
9	Highâ€temperature deformation of enstatite aggregates. Journal of Geophysical Research: Solid Earth, 2016, 121, 6384-6400.	3.4	26
10	Effect of pressure on the strength of olivine at room temperature. Physics of the Earth and Planetary Interiors, 2016, 259, 34-44.	1.9	15
11	Temperature dependent grain growth of forsteriteâ€“nickel mixtures: Implications for grain growth in two-phase systems and applications to the H-chondrite parent body. Earth and Planetary Science Letters, 2016, 443, 20-31.	4.4	6
12	Grain growth in forsteriteâ€“nickel mixtures: Analogues of small parent bodies during early accretion. Physics of the Earth and Planetary Interiors, 2012, 204-205, 37-51.	1.9	8
13	Dense fine-grained aggregates prepared by spark plasma sintering (SPS), an original technique in experimental petrology. European Journal of Mineralogy, 2011, 23, 323-331.	1.3	14
14	Development of Fluid Veins during Deformation of Fluid-rich Rocks close to the Brittle-Ductile Transition: Comparison between Experimental and Physical Models. Journal of Petrology, 2010, 51, 2047-2066.	2.8	6
15	A simultaneous deformation and diffusion experiment: Quantifying the role of deformation in enhancing metamorphic reactions. Earth and Planetary Science Letters, 2009, 278, 386-394.	4.4	16
16	Use of the spark plasma sintering technique for the synthesis of dense mineral aggregates suitable for high-pressure experiments. High Pressure Research, 2009, 29, 630-634.	1.2	7
17	Experimental investigation of magma rheology at 300ÂMPa: From pure hydrous melt to 76Âvol.% of crystals. Earth and Planetary Science Letters, 2008, 267, 571-583.	4.4	94
18	Microstructures and rheology of hydrous synthetic magmatic suspensions deformed in torsion at high pressure. Journal of Geophysical Research, 2007, 112, .	3.3	31

#	Article	IF	Citations
19	Extreme dynamic weakening of faults during dehydration by coseismic shear heating. Geophysical Research Letters, 2007, 34, .	4.0	135
20	Semi-brittle flow during dehydration of lizarditeâ€“chrysotile serpentinite deformed in torsion: Implications for the rheology of oceanic lithosphere. Earth and Planetary Science Letters, 2006, 249, 484-493.	4.4	27
21	Large-strain deformation and strain partitioning in polyphase rocks: Dislocation creep of olivineâ€“magnesiowÃ¼stite aggregates. Tectonophysics, 2006, 427, 115-132.	2.2	35
22	Feâ€“Mg Interdiffusion in (Mg,Fe)O. Physics and Chemistry of Minerals, 2005, 32, 418-425.	0.8	47
23	Strain localisation in bimineralic rocks: Experimental deformation of synthetic calciteâ€“anhydrite aggregates. Earth and Planetary Science Letters, 2005, 240, 748-763.	4.4	49
24	Post-deformational annealing of calcite rocks. Tectonophysics, 2005, 403, 167-191.	2.2	47
25	The role of recrystallisation on the deformation behaviour of calcite rocks: large strain torsion experiments on Carrara marble. Journal of Structural Geology, 2004, 26, 885-903.	2.3	153
26	Granular flow and Riedel band formation in water-rich quartz aggregates experimentally deformed in torsion. Journal of Geophysical Research, 2003, 108, .	3.3	42
27	GEOPHYSICS: Mantle Flow Revisited. Science, 2003, 301, 1190-1191.	12.6	1
28	Creep of dry clinopyroxene aggregates. Journal of Geophysical Research, 2001, 106, 13443-13454.	3.3	118
29	Microstructures and lattice preferred orientations in experimentally deformed clinopyroxene aggregates. Journal of Structural Geology, 2000, 22, 1633-1648.	2.3	63
30	High Shear Strain of Olivine Aggregates: Rheological and Seismic Consequences. , 2000, 290, 1564-1567.		249