

List of Publications by Year in descending order

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14
papers

803
citations

759233

12
h-index

1125743

13
g-index

18
all docs

18
docs citations

18
times ranked

1128
citing authors

#	ARTICLE	IF	CITATIONS
1	Tectonic significance of serpentinites. Tectonophysics, 2015, 646, 1-19.	2.2	174
2	Quantifying rates of landscape evolution and tectonic processes by thermochronology and numerical modeling of crustal heat transport using PECUBE. Tectonophysics, 2012, 524-525, 1-28.	2.2	166
3	Plate interface rheological switches during subduction infancy: Control on slab penetration and metamorphic sole formation. Earth and Planetary Science Letters, 2016, 451, 208-220.	4.4	130
4	Water pumping in mantle shear zones. Nature Communications, 2017, 8, 15736.	12.8	54
5	Transfer of subduction fluids into the deforming mantle wedge during nascent subduction: Evidence from trace elements and boron isotopes (Semail ophiolite, Oman). Earth and Planetary Science Letters, 2018, 484, 213-228.	4.4	51
6	Fracture-mediated deep seawater flow and mantle hydration on oceanic transform faults. Earth and Planetary Science Letters, 2020, 532, 115988.	4.4	46
7	The origin of contractional structures in extensional gneiss domes. Geology, 2017, 45, 263-266.	4.4	44
8	Slabification: Mechanisms controlling subduction development and viscous coupling. Earth-Science Reviews, 2020, 208, 103259.	9.1	42
9	Mantle Wedge (De)formation During Subduction Infancy: Evidence from the Base of the Semail Ophiolitic Mantle. Journal of Petrology, 2018, 59, 2061-2092.	2.8	26
10	Oceanic transform fault seismicity and slip mode influenced by seawater infiltration. Nature Geoscience, 2021, 14, 606-611.	12.9	26
11	Deformation mechanisms in mafic amphibolites and granulites: record from the Semail metamorphic sole during subduction infancy. Solid Earth, 2019, 10, 1733-1755.	2.8	22
12	Fluid-Assisted Deformation and Strain Localization in the Cooling Mantle Wedge of a Young Subduction Zone (Semail Ophiolite). Journal of Geophysical Research: Solid Earth, 2018, 123, 7529-7549.	3.4	17
13	High temperature hydrothermal alteration and amphibole formation in Gakkel Ridge abyssal peridotites. Lithos, 2021, 392-393, 106107.	1.4	3
14	The origin of contractional structures in extensional gneiss domes: REPLY. Geology, 2017, 45, e416-e416.	4.4	1