Patricia Fryer

List of Publications by Year
in descending order

23 papers	1,989 citations	430874 18 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	1738 citing authors

#	Article	IF	Citations
1	Foreâ€arc basalts and subduction initiation in the Izuâ€Boninâ€Mariana system. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	589
2	Early arc volcanism and the ophiolite problem: A perspective from drilling in the western Pacific. Geophysical Monograph Series, 1995, , 1-30.	0.1	183
3	Blueschist metamorphism in an active subduction zone. Nature, 1993, 364, 520-523.	27.8	155
4	Evolution of the Mariana Convergent Plate Margin System. Reviews of Geophysics, 1996, 34, 89-125.	23.0	155
5	Shallow slab fluid release across and along the Mariana arcâ€basin system: Insights from geochemistry of serpentinized peridotites from the Mariana fore arc. Journal of Geophysical Research, 2007, 112, .	3.3	142
6	Deep-slab fluids fuel extremophilicArchaeaon a Mariana forearc serpentinite mud volcano: Ocean Drilling Program Leg 195. Geochemistry, Geophysics, Geosystems, 2003, 4, n/a-n/a.	2.5	137
7	Serpentinite Mud Volcanism: Observations, Processes, and Implications. Annual Review of Marine Science, 2012, 4, 345-373.	11.6	105
8	Back-Arc seamounts and the SeaMARC II Seafloor Mapping System. Eos, 1983, 64, 627.	0.1	72
9	Processes of seamount subduction in the Mariana and Izu-Bonin trenches. Marine Geology, 1985, 64, 77-90.	2.1	63
10	The first evidence for MORB-like lavas from the outer Mariana forearc: geochemistry, petrography and tectonic implications. Earth and Planetary Science Letters, 1990, 100, 304-316.	4.4	56
11	Natural olivine crystal-fabrics in the western Pacific convergence region: A new method to identify fabric type. Earth and Planetary Science Letters, 2016, 443, 70-80.	4.4	52
12	Serpentine bodies in the forearcs of western Pacific convergent margins: Origin and associated fluids. Geophysical Monograph Series, 1995, , 259-279.	0.1	43
13	New evidence for crustal accretion in the outer Mariana fore arc: Cretaceous radiolarian cherts and mid-ocean ridge basalt-like lavas. Geology, 1991, 19, 811.	4.4	40
14	Origins of Nonvolcanic Seamounts in a Forearc Environment. Geophysical Monograph Series, 0, , 61-69.	0.1	38
15	Mariana serpentinite mud volcanism exhumes subducted seamount materials: implications for the origin of life. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20180425.	3.4	33
16	Mariana Forearc Serpentinite Mud Volcanoes Harbor Novel Communities of ExtremophilicArchaea. Geomicrobiology Journal, 2013, 30, 430-441.	2.0	28
17	Formation of clay minerals and exhumation of lowerâ€crustal rocks at Atlantis Massif, Midâ€Atlantic Ridge. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	27
18	Incipient blueschist-facies metamorphism in the active subduction zone beneath the Mariana forearc. Geophysical Monograph Series, 1995, , 281-289.	0.1	22

#	Article	IF	Citations
19	Geochemical and isotopic study of a plutonic suite and related early volcanic sequences in the southern Mariana forearc. Geochemistry, Geophysics, Geosystems, 2014, 15, 589-604.	2.5	22
20	Field trials of the Nereus hybrid underwater robotic vehicle in the challenger deep of the Mariana Trench. , 2009, , .		12
21	Temporal and spatial mineralogical changes in clasts from Mariana serpentinite mud volcanoes: Cooling of the hot forearc-mantle at subduction initiation. Lithos, 2021, 384-385, 105941.	1.4	9
22	Episodicity of structural flow in an active subduction system, new insights from mud volcano's carbonate veins â€“ Scientific Ocean drilling expedition IODP 366. Marine Geology, 2021, 434, 106431.	2.1	4
23	Shallow Depth, Substantial Change: Fluid-Metasomatism Causes Major Compositional Modifications of Subducted Volcanics (Mariana Forearc). Frontiers in Earth Science, 2022, 10, .	1.8	2