

# Patricia Fryer

## List of Publications by Year in descending order

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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	Shallow Depth, Substantial Change: Fluid-Metasomatism Causes Major Compositional Modifications of Subducted Volcanics (Mariana Forearc). <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	2
2	Temporal and spatial mineralogical changes in clasts from Mariana serpentinite mud volcanoes: Cooling of the hot forearc-mantle at subduction initiation. <i>Lithos</i> , 2021, 384-385, 105941.	1.4	9
3	Episodicity of structural flow in an active subduction system, new insights from mud volcano's carbonate veins – Scientific Ocean drilling expedition IODP 366. <i>Marine Geology</i> , 2021, 434, 106431.	2.1	4
4	Mariana serpentinite mud volcanism exhumes subducted seamount materials: implications for the origin of life. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20180425.	3.4	33
5	Natural olivine crystal-fabrics in the western Pacific convergence region: A new method to identify fabric type. <i>Earth and Planetary Science Letters</i> , 2016, 443, 70-80.	4.4	52
6	Geochemical and isotopic study of a plutonic suite and related early volcanic sequences in the southern Mariana forearc. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 589-604.	2.5	22
7	Mariana Forearc Serpentinite Mud Volcanoes Harbor Novel Communities of Extremophilic Archaea. <i>Geomicrobiology Journal</i> , 2013, 30, 430-441.	2.0	28
8	Serpentinite Mud Volcanism: Observations, Processes, and Implications. <i>Annual Review of Marine Science</i> , 2012, 4, 345-373.	11.6	105
9	Forearc basalts and subduction initiation in the Izu-Bonin-Mariana system. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	589
10	Field trials of the Nereus hybrid underwater robotic vehicle in the challenger deep of the Mariana Trench. , 2009, , .		12
11	Formation of clay minerals and exhumation of lower-crustal rocks at Atlantis Massif, Mid-Atlantic Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	27
12	Shallow slab fluid release across and along the Mariana arc-basin system: Insights from geochemistry of serpentinized peridotites from the Mariana fore arc. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	142
13	Deep-slab fluids fuel extremophilic Archaea on a Mariana forearc serpentinite mud volcano: Ocean Drilling Program Leg 195. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, n/a-n/a.	2.5	137
14	Evolution of the Mariana Convergent Plate Margin System. <i>Reviews of Geophysics</i> , 1996, 34, 89-125.	23.0	155
15	Early arc volcanism and the ophiolite problem: A perspective from drilling in the western Pacific. <i>Geophysical Monograph Series</i> , 1995, , 1-30.	0.1	183
16	Serpentine bodies in the forearcs of western Pacific convergent margins: Origin and associated fluids. <i>Geophysical Monograph Series</i> , 1995, , 259-279.	0.1	43
17	Incipient blueschist-facies metamorphism in the active subduction zone beneath the Mariana forearc. <i>Geophysical Monograph Series</i> , 1995, , 281-289.	0.1	22
18	Blueschist metamorphism in an active subduction zone. <i>Nature</i> , 1993, 364, 520-523.	27.8	155

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19	New evidence for crustal accretion in the outer Mariana fore arc: Cretaceous radiolarian cherts and mid-ocean ridge basalt-like lavas. <i>Geology</i> , 1991, 19, 811.	4.4	40
20	The first evidence for MORB-like lavas from the outer Mariana forearc: geochemistry, petrography and tectonic implications. <i>Earth and Planetary Science Letters</i> , 1990, 100, 304-316.	4.4	56
21	Processes of seamount subduction in the Mariana and Izu-Bonin trenches. <i>Marine Geology</i> , 1985, 64, 77-90.	2.1	63
22	Back-Arc seamounts and the SeaMARC II Seafloor Mapping System. <i>Eos</i> , 1983, 64, 627.	0.1	72
23	Origins of Nonvolcanic Seamounts in a Forearc Environment. <i>Geophysical Monograph Series</i> , 0, , 61-69.	0.1	38