

Patricia L Clay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5351504/publications.pdf>

Version: 2024-02-01

19
papers

398
citations

759233

12
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental partitioning of F and Cl between olivine, orthopyroxene and silicate melt at Earth's mantle conditions. <i>Chemical Geology</i> , 2015, 416, 65-78.	3.3	62
2	Fall, recovery, and characterization of the Novato L6 chondrite breccia. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1388-1425.	1.6	59
3	Halogens in chondritic meteorites and terrestrial accretion. <i>Nature</i> , 2017, 551, 614-618.	27.8	58
4	Cosmochemical and spectroscopic properties of Northwest Africa 7325â€”A consortium study. <i>Meteoritics and Planetary Science</i> , 2016, 51, 3-30.	1.6	32
5	Determination of halogen abundances in terrestrial and extraterrestrial samples by the analysis of noble gases produced by neutron irradiation. <i>Chemical Geology</i> , 2016, 437, 77-87.	3.3	32
6	Two diffusion pathways in quartz: A combined UV-laser and RBS study. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5906-5925.	3.9	23
7	Textural characterization, major and volatile element quantification and Arâ€”Ar systematics of spherulites in the Rocche Rosse obsidian flow, Lipari, Aeolian Islands: a temperature continuum growth model. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 373-395.	3.1	21
8	Trevorite: Ni-rich spinel formed by metasomatism and desulfurization processes at Bon Accord, South Africa?. <i>Mineralogical Magazine</i> , 2014, 78, 145-163.	1.4	18
9	⁴⁰ Ar/ ³⁹ Ar ages and residual volatile contents in degassed subaerial and subglacial glassy volcanic rocks from Iceland. <i>Chemical Geology</i> , 2015, 403, 99-110.	3.3	18
10	Length-scales of chemical and isotopic heterogeneity in the mantle section of the Shetland Ophiolite Complex, Scotland. <i>Earth and Planetary Science Letters</i> , 2018, 488, 144-154.	4.4	17
11	Effect of water on the fluorine and chlorine partitioning behavior between olivine and silicate melt. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 15.	3.1	15
12	Partitioning of excess argon between alkali feldspars and glass in a young volcanic system. <i>Chemical Geology</i> , 2011, 289, 12-30.	3.3	13
13	Characteristics of djerfisherite from fluid-rich, metasomatized alkaline intrusive environments and anhydrous enstatite chondrites and achondrites. <i>American Mineralogist</i> , 2014, 99, 1683-1693.	1.9	10
14	Multi-stage fluid infiltration and metasomatism in supra-subduction zone mantle: evidence from halogens and noble gases in the Leka Ophiolite Complex, Norway. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 258-280.	3.9	10
15	Halogen cycling and precious metal enrichment in sub-volcanic magmatic systems: Insights from the Rum layered intrusion, Scotland. <i>Earth and Planetary Science Letters</i> , 2019, 526, 115769.	4.4	4
16	Heavy halogen geochemistry of martian shergottite meteorites and implications for the halogen composition of the depleted shergottite mantle source. <i>American Mineralogist</i> , 2020, 105, 289-306.	1.9	4
17	Magmatic volatiles and platinum-group element mineralization in the Stillwater layered intrusion, U.S.A.. <i>American Mineralogist</i> , 2022, 107, 797-814.	1.9	1
18	Bimodal Alteration of the Oceanic Crust Revealed by Halogen and Noble Gas Systematics in the Oman Ophiolite. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, e2021JB022669.	3.4	1

#	ARTICLE	IF	CITATIONS
19	Halogen Abundances and Isotopes. , 2021, , 81-99.		0