

Tracy Rushmer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7272590/publications.pdf>

Version: 2024-02-01

40
papers

2,748
citations

331259

21
h-index

360668

35
g-index

43
all docs

43
docs citations

43
times ranked

2199
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial melting of subducting oceanic crust. <i>Earth and Planetary Science Letters</i> , 1994, 121, 227-244.	1.8	768
2	Partial melting of two amphibolites: contrasting experimental results under fluid-absent conditions. <i>Contributions To Mineralogy and Petrology</i> , 1991, 107, 41-59.	1.2	611
3	Heading down early on? Start of subduction on Earth. <i>Geology</i> , 2014, 42, 139-142.	2.0	167
4	An experimental deformation study of partially molten amphibolite: Application to low-melt fraction segregation. <i>Journal of Geophysical Research</i> , 1995, 100, 15681-15695.	3.3	131
5	Experimental high-pressure granulites: Some applications to natural mafic xenolith suites and Archean granulite terranes. <i>Geology</i> , 1993, 21, 411.	2.0	106
6	Volume change during partial melting reactions: implications for melt extraction, melt geochemistry and crustal rheology. <i>Tectonophysics</i> , 2001, 342, 389-405.	0.9	89
7	Hadean greenstones from the Nuvvuagittuq fold belt and the origin of the Earth's early continental crust. <i>Geology</i> , 2012, 40, 363-366.	2.0	88
8	Sulfur and metal fertilization of the lower continental crust. <i>Lithos</i> , 2016, 244, 74-93.	0.6	67
9	Magma transport and coupling between deformation and magmatism in the continental lithosphere. <i>GSA Today</i> , 2003, 13, 4.	1.1	62
10	Hydration Crystallization Reactions between Anhydrous Minerals and Hydrous Melt to Yield Amphibole and Biotite in Igneous Rocks: Description and Implications. <i>Journal of Geology</i> , 2004, 112, 617-621.	0.7	61
11	An experimental study of grain scale melt segregation mechanisms in two common crustal rock types. <i>Journal of Metamorphic Geology</i> , 2002, 20, 493-512.	1.6	56
12	Experimental Measurements of Trace Element Partitioning Between Lawsonite, Zoisite and Fluid and their Implication for the Composition of Arc Magmas. <i>Journal of Petrology</i> , 2011, 52, 1049-1075.	1.1	55
13	Introduction to Special Section: Mechanisms and Consequences of Melt Segregation From Crustal Protoliths. <i>Journal of Geophysical Research</i> , 1995, 100, 15551-15563.	3.3	54
14	Fe-liquid segregation in deforming planetesimals: Coupling Core-Forming compositions with transport phenomena. <i>Earth and Planetary Science Letters</i> , 2005, 239, 185-202.	1.8	53
15	Magma Evolution in the Primitive, Intra-oceanic Tonga Arc: Rapid Petrogenesis of Dacites at Fonualei Volcano. <i>Journal of Petrology</i> , 2012, 53, 1231-1253.	1.1	51
16	The capacity of hydrous fluids to transport and fractionate incompatible elements and metals within the Earth's mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2241-2253.	1.0	48
17	Magmatic Evolution and Magma Mixing of Quaternary Adakites at Solander and Little Solander Islands, New Zealand. <i>Journal of Petrology</i> , 2013, 54, 703-744.	1.1	38
18	The inception of plate tectonics: a record of failure. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170414.	1.6	28

#	ARTICLE	IF	CITATIONS
19	Adakite-like Potassic Magmatism and Crust-Mantle Interaction in a Postcollisional Setting: An Experimental Study of Melting Beneath the Tibetan Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12782-12798.	1.4	26
20	Melt segregation in the lower crust: how have experiments helped us?. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 1996, 87, 73-83.	0.3	25
21	Shear-induced material transfer across the core-mantle boundary aided by the post-perovskite phase transition. <i>Earth, Planets and Space</i> , 2005, 57, 459-464.	0.9	24
22	40 Ar/ 39 Ar geochronology and the paleoposition of Christmas Island (Australia), Northeast Indian Ocean. <i>Gondwana Research</i> , 2015, 28, 391-406.	3.0	20
23	The genesis of silicic arc magmas in shallow crustal cold zones. <i>Lithos</i> , 2016, 264, 472-494.	0.6	20
24	Similarities between mantle-derived A-type granites and voluminous rhyolites in continental flood basalt provinces. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2009, 100, 51-60.	0.3	16
25	Microsegregation rates of liquid Fe-Ni-S metal in natural silicate-metal systems: A combined experimental and numerical study. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	1.0	15
26	Impact of melt segregation on tonalite-trondhjemite-granodiorite (TTG) petrogenesis. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2008, 97, 325-336.	1.0	10
27	Mantle heterogeneities beneath the Northeast Indian Ocean as sampled by intra-plate volcanism at Christmas Island. <i>Lithos</i> , 2016, 262, 561-575.	0.6	10
28	Influence of redox processes on the germanium isotopic composition of ordinary chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 269, 270-291.	1.6	9
29	Melt segregation in the lower crust: how have experiments helped us?. , 1996, , .		8
30	Lithium isotope variations in Tonga-Kermadec arc-Lau back-arc lavas and Deep Sea Drilling Project (DSDP) Site 204 sediments. <i>Island Arc</i> , 2019, 28, e12276.	0.5	5
31	Deformation-induced mechanical instabilities at the core-mantle boundary. <i>Geophysical Monograph Series</i> , 2007, , 271-287.	0.1	4
32	The Influence of Dehydration and Partial Melting Reactions on the Seismicity and Deformation in Warm Subducting Crust. <i>Geophysical Monograph Series</i> , 2013, , 299-306.	0.1	4
33	¹⁰ Be, ¹⁸ O and radiogenic isotopic constraints on the origin of adakitic signatures: a case study from Solander and Little Solander Islands, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	1.2	4
34	How to make a planet: An introduction: Figure 1. <i>American Mineralogist</i> , 2015, 100, 1093-1097.	0.9	3
35	Condensation and evaporation processes during CB chondrite formation: Insights from Ge isotopes and highly siderophile element abundances. <i>Meteoritics and Planetary Science</i> , 2021, 56, 1191-1211.	0.7	3
36	The Macquarie Deformation-DIA facility at the Australian Synchrotron: A tool for high-pressure, high-temperature experiments with synchrotron radiation. <i>Review of Scientific Instruments</i> , 2020, 91, 114501.	0.6	3

#	ARTICLE	IF	CITATIONS
37	High pressure, down under: the first Australian high-pressure synchrotron facility for geoscience research. <i>Australian Journal of Earth Sciences</i> , 2015, 62, 181-188.	0.4	1
38	Similarities between mantle-derived A-type granites and voluminous rhyolites in continental flood basalt provinces. , 2010, , .		1
39	Numerical analysis of separation and mixing dynamics in multiphase granular systems. , 2013, , .		0
40	Plumes and Their Role in Whole Mantle Convection and Recycling. <i>GSA Today</i> , 2008, 18, 46.	1.1	0