

William G Minarik

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,859
citations

361413

20
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

2482
citing authors

#	ARTICLE	IF	CITATIONS
1	Photophysics of dopamine-modified quantum dots and effects on biological systems. <i>Nature Materials</i> , 2006, 5, 409-417.	27.5	303
2	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. <i>Science</i> , 2020, 369, 1338-1343.	12.6	202
3	High-pressure experimental trace-element partitioning between clinopyroxene and basaltic melts. <i>Chemical Geology</i> , 1994, 117, 127-147.	3.3	168
4	Interconnectivity of carbonate melt at low melt fraction. <i>Earth and Planetary Science Letters</i> , 1995, 133, 423-437.	4.4	164
5	Neoproterozoic iron formation: An evaluation of its temporal, environmental and tectonic significance. <i>Chemical Geology</i> , 2013, 362, 232-249.	3.3	134
6	Metal Ion Levels in the Blood of Patients After Hip Resurfacing: A Comparison Between Twenty-eight and Thirty-six-Millimeter-Head Metal-on-Metal Prostheses. <i>Journal of Bone and Joint Surgery - Series A</i> , 2008, 90, 142-148.	3.0	129
7	A critical evaluation of pressure scales at high temperatures by in situ X-ray diffraction measurements. <i>Physics of the Earth and Planetary Interiors</i> , 2004, 143-144, 515-526.	1.9	127
8	Textural Entrapment of Core-Forming Melts. <i>Science</i> , 1996, 272, 530-533.	12.6	114
9	Geochemistry of Neoproterozoic black shales from Svalbard: Implications for oceanic redox conditions spanning Cryogenian glaciations. <i>Chemical Geology</i> , 2015, 417, 383-393.	3.3	63
10	Experimental partitioning of uranium between liquid iron sulfide and liquid silicate: Implications for radioactivity in the Earth's core. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1537-1547.	3.9	50
11	Complications to Carbonate Melt Mobility due to the Presence of an Immiscible Silicate Melt. <i>Journal of Petrology</i> , 1998, 39, 1965-1973.	2.8	43
12	Evidence for lithium-aluminosilicate supersaturation of pegmatite-forming melts. <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	3.1	42
13	Sulfur isotope and trace element data from ore sulfides in the Noranda district (Abitibi, Canada): implications for volcanogenic massive sulfide deposit genesis. <i>Mineralium Deposita</i> , 2015, 50, 591-606.	4.1	40
14	Thermoelastic properties of (Mg _{0.64} Fe _{0.36})O ferropericlae based on in situ X-ray diffraction to 26.7GPa and 2173K. <i>Physics of the Earth and Planetary Interiors</i> , 2005, 151, 163-176.	1.9	38
15	Magmatic Recharge during the Formation and Resurgence of the Valles Caldera, New Mexico, USA: Evidence from Quartz Compositional Zoning and Geothermometry. <i>Journal of Petrology</i> , 2013, 54, 635-664.	2.8	38
16	Trace element partitioning between majoritic garnet and silicate melt at 10–17 GPa: Implications for deep mantle processes. <i>Lithos</i> , 2012, 148, 128-141.	1.4	36
17	Multicomponent diffusion and convection in molten MgO-Al ₂ O ₃ -SiO ₂ . <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 1985-1991.	3.9	31
18	Melt-rock interaction near the Moho: Evidence from crystal cargo in lavas from near-ridge seamounts. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 191, 139-164.	3.9	29

#	ARTICLE	IF	CITATIONS
19	Aluminum-dependent trace element partitioning in clinopyroxene. Contributions To Mineralogy and Petrology, 2008, 156, 439-451.	3.1	28
20	An overview of the Canadian Cordilleran lithospheric mantleThis article is one of a series of papers published in this Special Issue on the theme <i>Lithoprobe â€” parameters, processes, and the evolution of a continent</i>.. Canadian Journal of Earth Sciences, 2010, 47, 353-368.	1.3	23
21	Thermal History of the Bandelier Magmatic System: Evidence for Magmatic Injection and Recharge at 1.61 Ma as Revealed by Cathodoluminescence and Titanium Geothermometry. Journal of Geology, 2009, 117, 469-485.	1.4	22
22	The Magmatic Architecture of Taney Seamount-A, NE Pacific Ocean. Journal of Petrology, 2015, 56, 1037-1067.	2.8	14
23	Precise water level measurements using low-cost GNSS antenna arrays. Earth Surface Dynamics, 2021, 9, 673-685.	2.4	11
24	The core of planet formation. Nature, 2003, 422, 126-127.	27.8	8
25	Titanium-Rich Magnesio-Hastingsite Macrocrysts In A Camptonite Dike, Lafarge Quarry, Montreal Island, QuÃ©bec: Early Crystallization In A Pseudo-Unary System. Canadian Mineralogist, 2016, 54, 65-78.	1.0	2
26	PRELIMINARY ASSESSMENT OF TIME TRENDS IN BIOAVAILABLE METALS IN THE TRI-STATE LEAD/ZINC MINING DISTRICT THROUGH ANALYSES OF TREE CORES. Journal of the American Society of Mining and Reclamation, 2007, 2007, 16-28.	0.3	0