

Quentin Williams

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

118
citations

1478280

6
h-index

1281743

11
g-index

15
all docs

15
docs citations

15
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Thank You to Our 2021 Peer Reviewers. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	0
2	Density of Fe-Ni Liquids at High Pressures and Implications for Liquid Cores of Earth and the Moon. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021089.	1.4	5
3	A high-pressure Raman study of FeTiO ₃ ilmenite: Fermi resonance as a manifestation of Fe-Ti charge transfer. <i>Physics and Chemistry of Minerals</i> , 2021, 48, 1.	0.3	7
4	Thermoelasticity of Water in Silicate Melts: Implications for Melt Buoyancy in Earth's Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022359.	1.4	2
5	Thermal Pressure in the Laser-Heated Diamond Anvil Cell: A Quantitative Study and Implications for the Density Versus Mineralogy Correlation of the Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020006.	1.4	6
6	Raman spectroscopic constraints on compression and metastability of the amphibole tremolite at high pressures and temperatures. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.3	5
7	Fractional Crystallization of Martian Magma Oceans and Formation of a Thermochemical Boundary Layer at the Base of the Mantle. <i>Geophysical Research Letters</i> , 2019, 46, 10997-11007.	1.5	6
8	Electrical Investigation of Natural Lawsonite and Application to Subduction Contexts. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1430-1442.	1.4	12
9	An infrared and Raman spectroscopic study of PbSO ₄ -anglesite at high pressures. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 623-637.	0.3	7
10	High-Pressure/Temperature Behavior of the Alkali/Calcium Carbonate Shortite (Na ₂ Ca ₂ (CO ₃) ₃): Implications for Carbon Sequestration in Earth's Transition Zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 6574-6591.	1.4	16
11	The high-pressure phase of lawsonite: A single crystal study of a key mantle hydrous phase. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 6294-6305.	1.4	6
12	Limitations on silicon in the outer core: Ultrasonic measurements at high temperatures and high dK/dP values of Fe-Ni-Si liquids at high pressures. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 6846-6855.	1.4	9
13	A high-pressure infrared and Raman spectroscopic study of BaCO ₃ : the aragonite, trigonal and Pmmn structures. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 83-93.	0.3	29
14	Deep mantle matters. <i>Science</i> , 2014, 344, 800-801.	6.0	6
15	Viscosity of Fe-Ni Liquids up to Core Pressures and Implications for Dynamics of Planetary Cores. <i>Geophysical Research Letters</i> , 0, , .	1.5	2