

George Amulele

List of Publications by Year in descending order

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15
papers

319
citations

1040018

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996954

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17
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17
times ranked

432
citing authors

#	ARTICLE	IF	CITATIONS
1	Shear deformation of bridgmanite and magnesiowüstite aggregates at lower mantle conditions. <i>Science</i> , 2016, 351, 144-147.	12.6	121
2	Laser generation and detection of longitudinal and shear acoustic waves in a diamond anvil cell. <i>Applied Physics Letters</i> , 2008, 93, 181905.	3.3	34
3	Plastic deformation experiments to high strain on mantle transition zone minerals wadsleyite and ringwoodite in the rotational Drickamer apparatus. <i>Earth and Planetary Science Letters</i> , 2013, 361, 7-15.	4.4	27
4	Efficient graphite ring heater suitable for diamond-anvil cells to 1300 K. <i>Review of Scientific Instruments</i> , 2013, 84, 024502.	1.3	27
5	Volume thermal expansion along the jadeite-diopside join. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 1-14.	0.8	25
6	Plastic anisotropy and slip systems in ringwoodite deformed to high shear strain in the Rotational Drickamer Apparatus. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 228, 244-253.	1.9	22
7	High-pressure and high-temperature deformation experiments on polycrystalline wadsleyite using the rotational Drickamer apparatus. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 541-558.	0.8	17
8	Elastic and inelastic behavior of graphitic C ₃ N ₄ under high pressure. <i>Chemical Physics Letters</i> , 2013, 575, 67-70.	2.6	12
9	Compressibility and structural stability of two variably hydrated olivine samples (Fo ₉₇ Fa ₃) to 34 GPa by X-ray diffraction and Raman spectroscopy. <i>American Mineralogist</i> , 2013, 98, 1972-1979.	1.9	10
10	Melting of Bridgmanite Under Hydrous Shallow Lower Mantle Conditions. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022222.	3.4	7
11	Wave propagation in an anisotropic nickel-based superalloy. <i>Ultrasonics</i> , 2000, 38, 252-255.	3.9	6
12	Density of Fe-Ni-C 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.	3.4	5
13	The electrical conductivity of albite feldspar: Implications for oceanic lower crustal sequences and subduction zones. <i>American Mineralogist</i> , 2022, 107, 614-624.	1.9	3
14	Imaging of surface phonons on a sphere. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 2979-2982.	0.8	2
15	Density of Fe-Ni-C Liquids at High Pressures and Implications to Liquid Cores of Earth and Moon. , 2020, , .		0