

Yuming Xiao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1198043/publications.pdf>

Version: 2024-02-01

12
papers

640
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

754
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-Driven Changes in the Electronic Bonding Environment of GeO_2 Glass above Megabar Pressures. <i>Journal of the American Chemical Society</i> , 2022, 144, 10025-10033.	13.7	6
2	Synthesis, Elasticity, and Spin State of an Intermediate MgSiO_3 - FeAlO_3 Bridgmanite: Implications for Iron in Earth's Lower Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019964.	3.4	6
3	Structural Transitions in MgSiO_3 Glasses and Melts at the Core-Mantle Boundary Observed via Inelastic X-ray Scattering. <i>Geophysical Research Letters</i> , 2019, 46, 13756-13764.	4.0	13
4	Oxygen Quadclusters in SiO_2 Glass above Megabar Pressures up to 160 GPa Revealed by X-Ray Raman Scattering. <i>Physical Review Letters</i> , 2019, 123, 235701.	7.8	22
5	Valence and spin states of iron are invisible in Earth's lower mantle. <i>Nature Communications</i> , 2018, 9, 1284.	12.8	35
6	Hydrogen-bearing iron peroxide and the origin of ultralow-velocity zones. <i>Nature</i> , 2017, 551, 494-497.	27.8	113
7	Spin and valence states of iron in Al-bearing silicate glass at high pressures studied by synchrotron Mossbauer and X-ray emission spectroscopy. <i>American Mineralogist</i> , 2014, 99, 415-423.	1.9	35
8	Structure of shock compressed model basaltic glass: Insights from O K-edge X-ray Raman scattering and high-resolution Al NMR spectroscopy. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	12
9	Electronic spin states of ferric and ferrous iron in the lower-mantle silicate perovskite. <i>American Mineralogist</i> , 2012, 97, 592-597.	1.9	58
10	Effects of the Fe^{3+} spin transition on the properties of aluminous perovskite—New insights for lower-mantle seismic heterogeneities. <i>Earth and Planetary Science Letters</i> , 2011, 310, 293-302.	4.4	84
11	Amorphous Diamond: A High-Pressure Superhard Carbon Allotrope. <i>Physical Review Letters</i> , 2011, 107, 175504.	7.8	127
12	Spin state of ferric iron in MgSiO_3 perovskite and its effect on elastic properties. <i>Earth and Planetary Science Letters</i> , 2010, 289, 68-75.	4.4	129