

Atomistic insight into viscosity and density of silicate m

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Citation Report

#	ARTICLE	IF	CITATIONS
1	High-pressure experimental studies on geo-liquids using synchrotron radiation at the Advanced Photon Source. <i>Journal of Earth Science (Wuhan, China)</i> , 2014, 25, 939-958.	3.2	7
2	Abnormal acoustic wave velocities in basaltic and (Fe,Al)-bearing silicate glasses at high pressures. <i>Geophysical Research Letters</i> , 2014, 41, 8832-8839.	4.0	24
3	Packing and the structural transformations in liquid and amorphous oxides from ambient to extreme conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10045-10048.	7.1	74
4	X-ray imaging for studying behavior of liquids at high pressures and high temperatures using Paris-Edinburgh press. <i>Review of Scientific Instruments</i> , 2015, 86, 072207.	1.3	13
5	Unique effects of thermal and pressure histories on glass hardness: Structural and topological origin. <i>Journal of Chemical Physics</i> , 2015, 143, 164505.	3.0	51
6	Transport properties of silicate melts. <i>Reviews of Geophysics</i> , 2015, 53, 715-744.	23.0	66
7	Magma in the Earth's Interior. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2015, 25, 165-171.	0.0	0
8	Effect of CaO/SiO <sub>2</sub> Ratio on Surface Tension of CaO-Al <sub>2</sub> O <sub>3</sub> -MgO Melts. <i>ISIJ International</i> , 2015, 55, 1299-1304.	1.4	33
9	Fate of MgSiO <sub>3</sub> melts at core-mantle boundary conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14186-14190.	7.1	72
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14	Aluminosilicate melts and glasses at 1 to 3 GPa: Temperature and pressure effects on recovered structural and density changes. <i>American Mineralogist</i> , 2015, 100, 2298-2307.	1.9	40
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16	Structural transformations in sodium silicate liquids under pressure: A molecular dynamics study. <i>Journal of Non-Crystalline Solids</i> , 2016, 447, 141-149.	3.1	13
17	A DFT-Based Aspherical Ion Model for Sodium Aluminosilicate Glasses and Melts. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24370-24381.	3.1	20
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26	Viscosity of mafic magmas at high pressures. <i>Geophysical Research Letters</i> , 2017, 44, 818-826.	4.0	28
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38	Pressure-induced structural change in MgSiO <sub>3</sub> glass at pressures near the Earth's core-mantle boundary. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1742-1747.	7.1	34
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