

Zhen Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8200000/publications.pdf>

Version: 2024-02-01

10
papers

148
citations

1307594

7
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1372567

10
g-index

14
all docs

14
docs citations

14
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of the non-linear elastic behavior of silicate glasses. <i>Acta Materialia</i> , 2022, 231, 117855.	7.9	10
2	Roughness and Scaling Properties of Oxide Glass Surfaces at the Nanoscale. <i>Physical Review Letters</i> , 2021, 126, 066101.	7.8	9
3	First-principles study of the surface of silica and sodium silicate glasses. <i>Physical Review B</i> , 2021, 103, .	3.2	6
4	Connecting Packing Efficiency of Binary Hard Sphere Systems to Their Intermediate Range Structure. <i>Physical Review Letters</i> , 2021, 127, 278001.	7.8	3
5	Structure and vibrational properties of sodium silicate glass surfaces. <i>Journal of Chemical Physics</i> , 2020, 153, 124503.	3.0	10
6	Revealing the three-dimensional structure of liquids using four-point correlation functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14032-14037.	7.1	30
7	The critical role of the interaction potential and simulation protocol for the structural and mechanical properties of sodosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 532, 119895.	3.1	21
8	Structural Properties of Molten $\text{CaO-SiO}_2\text{-P}_2\text{O}_5\text{-FeO}$ System. <i>High Temperature Materials and Processes</i> , 2017, 36, 871-876.	1.4	11
9	Structural Characterization of $\text{FeO-SiO}_2\text{-V}_2\text{O}_5\text{-O}_3$ Slags Using Molecular Dynamics Simulations and FT-IR Spectroscopy. <i>ISIJ International</i> , 2016, 56, 828-834.	1.4	23
10	Molecular Dynamics Analysis of the Microstructure of the $\text{CaO-P}_2\text{O}_5\text{-SiO}_2$ Slag System with Varying $\text{P}_2\text{O}_5/\text{SiO}_2$ Ratios. <i>Materials Transactions</i> , 2015, 56, 655-660.	1.2	22