

# Zhen Zhang

## List of Publications by Year in descending order

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

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10  
papers

148  
citations

1307594

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1372567

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g-index

14  
all docs

14  
docs citations

14  
times ranked

127  
citing authors

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