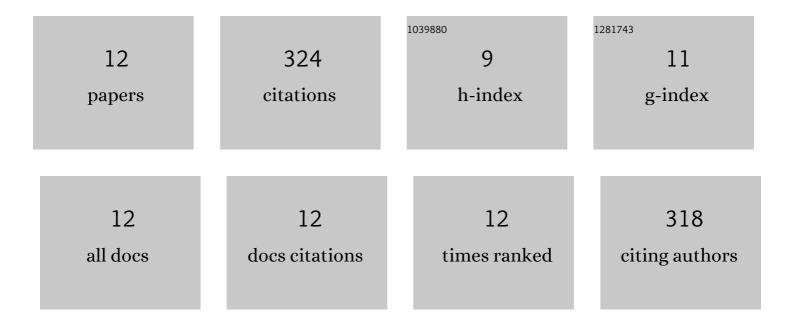
## Xiaoyang Zheng

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7876154/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Towards stable sodium metal battery with high voltage output through dual electrolyte design. Energy Storage Materials, 2022, 48, 466-474.	9.5	10
2	A mathematically defined 3D auxetic metamaterial with tunable mechanical and conduction properties. Materials and Design, 2021, 198, 109313.	3.3	47
3	Parametric and experiment studies of 3D auxetic lattices based on hollow shell cuboctahedron. Smart Materials and Structures, 2021, 30, 025042.	1.8	9
4	Controllable inverse design of auxetic metamaterials using deep learning. Materials and Design, 2021, 211, 110178.	3.3	40
5	Multifunctional load-bearing hybrid hydrogel with combined drug release and photothermal conversion functions. NPG Asia Materials, 2020, 12, .	3.8	56
6	Mechanical behavior of TPMS-based scaffolds: a comparison between minimal surfaces and their lattice structures. SN Applied Sciences, 2019, 1, 1.	1.5	30
7	Minimal surface designs for porous materials: from microstructures to mechanical properties. Journal of Materials Science, 2018, 53, 10194-10208.	1.7	79
8	Structure-Dependent Analysis of Nanoporous Metals: Clues from Mechanical, Conduction, and Flow Properties. Journal of Physical Chemistry C, 2018, 122, 16803-16809.	1.5	11
9	Simulation and Analysis of Mechanical Properties of Silica Aerogels: From Rationalization to Prediction. Materials, 2018, 11, 214.	1.3	25
10	Multi-Scale Modeling for Predicting the Stiffness and Strength of Hollow-Structured Metal Foams with Structural Hierarchy. Materials, 2018, 11, 380.	1.3	10
11	Simulation and Analysis of Three-Dimensional Electromagnetism, Heat Transfer, and Gas Flow for Flow-Levitation System. IEEE Nanotechnology Magazine, 2017, 16, 1106-1114.	1.1	1

12 Excitons in Two-Dimensional Materials. , 0, , .

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