

Zheng Liu

List of Publications by Year in descending order

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16
papers

2,761
citations

567281

15
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

3783
citing authors

#	ARTICLE	IF	CITATIONS
1	A Eu ³⁺ -Eu ²⁺ ion redox shuttle imparts operational durability to Pb-I perovskite solar cells. <i>Science</i> , 2019, 363, 265-270.	12.6	793
2	Stable Nontrivial Z_2 Topology in Ultrathin Bi (111) Films: A First-Principles Study. <i>Physical Review Letters</i> , 2011, 107, 136805.	7.8	292
3	Quantum Anomalous Hall Effect in 2D Organic Topological Insulators. <i>Physical Review Letters</i> , 2013, 110, 196801.	7.8	292
4	Organic topological insulators in organometallic lattices. <i>Nature Communications</i> , 2013, 4, 1471.	12.8	238
5	Epitaxial growth of large-gap quantum spin Hall insulator on semiconductor surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14378-14381.	7.1	205
6	Flat Chern Band in a Two-Dimensional Organometallic Framework. <i>Physical Review Letters</i> , 2013, 110, 106804.	7.8	191
7	Topological and electronic transitions in a Sb(111) nanofilm: The interplay between quantum confinement and surface effect. <i>Physical Review B</i> , 2012, 85, .	3.2	164
8	Enabling high-volumetric-energy-density supercapacitors: designing open, low-tortuosity heteroatom-doped porous carbon-tube bundle electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23085-23093.	10.3	158
9	Exotic electronic states in the world of flat bands: From theory to material. <i>Chinese Physics B</i> , 2014, 23, 077308.	1.4	153
10	S_2 Kagome Band in a Hexagonal Lattice. <i>Physical Review Letters</i> , 2014, 113, 236802.	7.8	68
11	Formation of quantum spin Hall state on Si surface and energy gap scaling with strength of spin orbit coupling. <i>Scientific Reports</i> , 2014, 4, 7102.	3.3	75
12	Effect of temperature on the anisotropy of AZ31 magnesium alloy rolling sheet under high strain rate deformation. <i>Philosophical Magazine</i> , 2018, 98, 1068-1086.	1.6	41
13	Strain-Engineered Surface Transport in Si(001): Complete Isolation of the Surface State via Tensile Strain. <i>Physical Review Letters</i> , 2013, 111, 246801.	7.8	27
14	Relationships between strain and band structure in Si(001) and Si(110) nanomembranes. <i>Physical Review B</i> , 2009, 80, .	3.2	16
15	One-Step Synthesis of Ultrathin Carbon Nanoribbons from Metal-Organic Framework Nanorods for Oxygen Reduction and Zinc-Air Batteries. <i>CCS Chemistry</i> , 2022, 4, 194-204.	7.8	15
16	Exotic fractional topological states in a two-dimensional organometallic material. <i>Physical Review B</i> , 2014, 89, .	3.2	13