Zheng Liu

List of Publications by Year
in descending order

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16	2,761	567281 15	940533 16
papers	citations	h-index	g-index

16	16	16	3783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	One-Step Synthesis of Ultrathin Carbon Nanoribbons from Metalâ€“Organic Framework Nanorods for Oxygen Reduction and Zincâ€“Air Batteries. CCS Chemistry, 2022, 4, 194-204.	7.8	15
2	A Eu ³⁺ -Eu ²⁺ ion redox shuttle imparts operational durability to Pb-I perovskite solar cells. Science, 2019, 363, 265-270.	12.6	793
3	Effect of temperature on the anisotropy of AZ31 magnesium alloy rolling sheet under high strain rate deformation. Philosophical Magazine, 2018, 98, 1068-1086.	1.6	41
4	Enabling high-volumetric-energy-density supercapacitors: designing open, low-tortuosity heteroatom-doped porous carbon-tube bundle electrodes. Journal of Materials Chemistry A, 2017, 5, 23085-23093.	10.3	158
5	Exotic electronic states in the world of flat bands: From theory to material. Chinese Physics B, 2014, 23, 077308.	1.4	153
6	Exotic fractional topological states in a two-dimensional organometallic material. Physical Review B, 2014, 89, .	3.2	13
7	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi><mml:msup><mml:mi>d</mml:mi><mml:mn>2</mml:mn></mml:msup></mml:math>Graphene: Kagome Band in a Hexagonal Lattice. Physical Review Letters, 2014, 113, 236802.	7.8	88
8	Epitaxial growth of large-gap quantum spin Hall insulator on semiconductor surface. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14378-14381.	7.1	205
9	Formation of quantum spin Hall state on Si surface and energy gap scaling with strength of spin orbit coupling. Scientific Reports, 2014, 4, 7102.	3.3	75
10	Organic topological insulators in organometallic lattices. Nature Communications, 2013, 4, 1471.	12.8	238
11	Quantum Anomalous Hall Effect in 2D Organic Topological Insulators. Physical Review Letters, 2013, 110, 196801.	7.8	292
12	Strain-Engineered Surface Transport in Si(001): Complete Isolation of the Surface State via Tensile Strain. Physical Review Letters, 2013, 111, 246801.	7.8	27
13	Flat Chern Band in a Two-Dimensional Organometallic Framework. Physical Review Letters, 2013, 110, 106804.	7.8	191
14	Topological and electronic transitions in a Sb(111) nanofilm: The interplay between quantum confinement and surface effect. Physical Review B, 2012, 85, .	3.2	164
15	Stable Nontrivial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Z</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Topology in Ultrathin Bi (111) Films: A First-Principles Study. Physical Review Letters, 2011, 107, 136805.	7.8	292
16	Relationships between strain and band structure in Si(001) and Si(110) nanomembranes. Physical Review B, 2009, 80, .	3.2	16