

Zhiwen Qiu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,689
citations

304743

22
h-index

289244

40
g-index

41
all docs

41
docs citations

41
times ranked

2895
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Ferroelectric Domain Structure on Bulk Photovoltaic Effect of Epitaxial BiFeO ₃ Films. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	3
2	An ultrahigh 84.3% fill factor for efficient CH ₃ NH ₃ PbI ₃ P-i-N perovskite film solar cell. <i>Solar Energy</i> , 2022, 233, 271-277.	6.1	5
3	Dopant compensation in p-type doped MAPbCuI ₃ alloyed perovskite crystals. <i>Applied Physics Letters</i> , 2022, 121, 012102.	3.3	0
4	Corncob cellulose-derived hierarchical porous carbon for high performance supercapacitors. <i>Journal of Power Sources</i> , 2021, 484, 229221.	7.8	48
5	Enhancing the bulk photovoltaic effect by tuning domain walls in epitaxial BiFeO ₃ films. <i>Nanotechnology</i> , 2021, 32, 495402.	2.6	5
6	Highly Conductive P-Type MAPbI ₃ Films and Crystals via Sodium Doping. <i>Frontiers in Chemistry</i> , 2020, 8, 754.	3.6	18
7	Corncob-Derived Hierarchical Porous Activated Carbon for High-Performance Lithium-Ion Capacitors. <i>Energy & Fuels</i> , 2020, 34, 16885-16892.	5.1	15
8	From energy harvesting to topologically insulating behavior: ABO ₃ -type epitaxial thin films and superlattices. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15575-15596.	5.5	22
9	Highly conductive n-type CH ₃ NH ₃ PbI ₃ single crystals doped with bismuth donors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3694-3704.	5.5	27
10	Zwitterion-Stabilizing Scalable Bladed δ -Phase Cs _{0.1} FA _{0.9} PbI ₃ Films for Efficient Inverted Planar Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7020-7030.	6.7	27
11	Copper submicrospheres induced by pulsed laser-irradiation with enhanced tribology properties. <i>New Journal of Chemistry</i> , 2019, 43, 13526-13535.	2.8	4
12	Three-Dimensional Mesoporous Straw-Like Co ₃ O ₄ Anode with Enhanced Electrochemical Performance for Lithium-Ion Batteries. <i>ChemistrySelect</i> , 2019, 4, 6879-6885.	1.5	7
13	Corncob-derived hierarchical porous carbons constructed by re-activation for high-rate lithium-ion capacitors. <i>New Journal of Chemistry</i> , 2019, 43, 10103-10108.	2.8	10
14	Sealing the domain boundaries and defects passivation by Poly(acrylic acid) for scalable blading of efficient perovskite solar cells. <i>Journal of Power Sources</i> , 2019, 426, 188-196.	7.8	29
15	Efficient and stable planar perovskite solar cells with carbon quantum dots-doped PCBM electron transport layer. <i>New Journal of Chemistry</i> , 2019, 43, 7130-7135.	2.8	31
16	Perovskite films grown with green mixed anti-solvent for highly efficient solar cells with enhanced stability. <i>Solar Energy</i> , 2019, 181, 285-292.	6.1	41
17	Tellurium-Based Double Perovskites A ₂ TeX ₆ with Tunable Band Gap and Long Carrier Diffusion Length for Optoelectronic Applications. <i>ACS Energy Letters</i> , 2019, 4, 228-234.	17.4	58
18	Green laser irradiation-stimulated fullerene-like MoS ₂ nanospheres for tribological applications. <i>Tribology International</i> , 2018, 122, 119-124.	5.9	23

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19	Oxygen Vacancy Abundant Ultrafine Co ₃ O ₄ /Graphene Composites for High Rate Supercapacitor Electrodes. <i>Advanced Science</i> , 2018, 5, 1700659.	11.2	392
20	Tribology Properties: Laser Irradiation Induced SiC@Graphene Sub-Microspheres: A Bioinspired Core-Shell Structure for Enhanced Tribology Properties (<i>Adv. Mater. Interfaces</i> 5/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870021.	3.7	2
21	Excess iodine as the interface recombination center limiting the open-circuit voltage of CuI-based perovskite planar solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8838-8846.	2.2	9
22	Zinc as a New Dopant for NiO-Based Planar Perovskite Solar Cells with Stable Efficiency near 20%. <i>ACS Applied Energy Materials</i> , 2018, 1, 3947-3954.	5.1	87
23	Flexible and Biocompatibility Power Source for Electronics: A Cellulose Paper Based Hole Transport Materials Free Perovskite Solar Cell. <i>Solar Rrl</i> , 2018, 2, 1800175.	5.8	37
24	Ultrafast ammonia-driven, microwave-assisted synthesis of nitrogen-doped graphene quantum dots and their optical properties. <i>Nanophotonics</i> , 2017, 6, 259-267.	6.0	106
25	Construction of hollow Co ₃ O ₄ cubes as a high-performance anode for lithium ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 7960-7965.	2.8	28
26	Two-dimensional porous Co ₃ O ₄ nanosheets for high-performance lithium ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 15283-15288.	2.8	25
27	Enhanced physical properties of pulsed laser deposited NiO films via annealing and lithium doping for improving perovskite solar cell efficiency. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7084-7094.	5.5	134
28	The Influence of Physical Properties of ZnO Films on the Efficiency of Planar ZnO/Perovskite/P3HT Solar Cell. <i>Journal of the American Ceramic Society</i> , 2017, 100, 176-184.	3.8	22
29	Hierarchical Co ₃ O ₄ Nanowires as Binder Free Electrodes for Reversible Lithium Storage. <i>Chinese Journal of Chemistry</i> , 2016, 34, 631-636.	4.9	6
30	Growth temperature-dependent performance of planar CH ₃ NH ₃ PbI ₃ solar cells fabricated by a two-step subliming vapor method below 120 °C. <i>RSC Advances</i> , 2016, 6, 47459-47467.	3.6	7
31	High-Quality Perovskite Films Grown with a Fast Solvent-Assisted Molecule Inserting Strategy for Highly Efficient and Stable Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22238-22245.	8.0	19
32	Lead-free mesoscopic Cs ₂ SnI ₆ perovskite solar cells using different nanostructured ZnO nanorods as electron transport layers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 587-591.	2.4	138
33	Smooth and solid WS ₂ submicrospheres grown by a new laser fragmentation and reshaping process with enhanced tribological properties. <i>Chemical Communications</i> , 2016, 52, 10147-10150.	4.1	33
34	Effect of deposition temperature on transparent conductive properties of I ³ -CuI film prepared by vacuum thermal evaporation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 1466-1470.	1.8	68
35	3D hierarchical Co ₃ O ₄ microspheres with enhanced lithium-ion battery performance. <i>RSC Advances</i> , 2015, 5, 61631-61638.	3.6	25
36	Morphology Evolution of ZnO Submicroparticles Induced by Laser Irradiation and Their Enhanced Tribology Properties by Compositing with Al ₂ O ₃ Nanoparticles. <i>Advanced Engineering Materials</i> , 2015, 17, 341-348.	3.5	14

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37	Sodium-doped ZnO Nanowires Grown by High-pressure PLD and their Acceptor-Related Optical Properties. Journal of the American Ceramic Society, 2014, 97, 2177-2184.	3.8	26
38	Zn _{1-x} Mg _x O (0 ≤ x ≤ 0.05) nanowalls grown on catalyst-free sapphire substrates by high-pressure PLD and their photoluminescence properties. Applied Physics A: Materials Science and Processing, 2013, 111, 1119-1124.	2.3	1
39	Laser-induced reshaping of particles aiming at energy-saving applications. Journal of Materials Chemistry, 2012, 22, 15947.	6.7	39
40	Friction and wear properties of ZrO ₂ /SiO ₂ composite nanoparticles. Journal of Nanoparticle Research, 2011, 13, 2129-2137.	1.9	96