

Wei Cheng

List of Publications by Year in descending order

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25
papers

1,416
citations

430874

18
h-index

580821

25
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26
all docs

26
docs citations

26
times ranked

2729
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step synthesis of superparamagnetic monodisperse porous Fe ₃ O ₄ hollow and core-shell spheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 1799.	6.7	310
2	A General Method of Fabricating Flexible Spinel-Type Oxide/Reduced Graphene Oxide Nanocomposite Aerogels as Advanced Anodes for Lithium-Ion Batteries. <i>ACS Nano</i> , 2015, 9, 4227-4235.	14.6	118
3	Large-Area Alignment of Tungsten Oxide Nanowires over Flat and Patterned Substrates for Room-Temperature Gas Sensing. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 340-344.	13.8	105
4	Photodeposited Amorphous Oxide Films for Electrochromic Windows. <i>CheM</i> , 2018, 4, 821-832.	11.7	95
5	Facile synthesis of monodisperse Co ₃ O ₄ quantum dots with efficient oxygen evolution activity. <i>Chemical Communications</i> , 2015, 51, 1338-1340.	4.1	93
6	Three-Dimensional Assembly of Yttrium Oxide Nanosheets into Luminescent Aerogel Monoliths with Outstanding Adsorption Properties. <i>ACS Nano</i> , 2016, 10, 2467-2475.	14.6	84
7	Single-crystalline ZnSn(OH) ₆ hollow cubes via self-templated synthesis at room temperature and their photocatalytic properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 4352.	6.7	83
8	Amorphous cobalt silicate nanobelts@carbon composites as a stable anode material for lithium ion batteries. <i>Chemical Science</i> , 2015, 6, 6908-6915.	7.4	69
9	Self-Assembly of Metal and Metal Oxide Nanoparticles and Nanowires into a Macroscopic Ternary Aerogel Monolith with Tailored Photocatalytic Properties. <i>Chemistry of Materials</i> , 2014, 26, 5576-5584.	6.7	67
10	Facile synthesis of nanocrystalline-assembled bundle-like CuO nanostructure with high rate capacities and enhanced cycling stability as an anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 11297.	6.7	66
11	Highly Water-Soluble Superparamagnetic Ferrite Colloidal Spheres with Tunable Composition and Size. <i>Chemistry - A European Journal</i> , 2010, 16, 3608-3612.	3.3	42
12	Ultra-high performance of Li/Na ion batteries using N/O dual dopant porous hollow carbon nanocapsules as an anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11117-11126.	10.3	42
13	Evaporation-Induced Self-Assembly of Ultrathin Tungsten Oxide Nanowires over a Large Scale for Ultraviolet Photodetector. <i>Langmuir</i> , 2016, 32, 2474-2481.	3.5	37
14	Solution-Deposited Solid-State Electrochromic Windows. <i>IScience</i> , 2018, 10, 80-86.	4.1	36
15	Design of vanadium oxide core-shell nanoplatelets for lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2861-2868.	10.3	34
16	From 1D to 3D macroscopic nanowire aerogel monoliths. <i>Nanoscale</i> , 2016, 8, 14074-14077.	5.6	31
17	Multiscale anode materials in lithium ion batteries by combining micro- with nanoparticles: design of mesoporous TiO ₂ microfibers@nitrogen doped carbon composites. <i>Nanoscale</i> , 2015, 7, 13898-13906.	5.6	20
18	Controllable solvothermal synthesis and photocatalytic properties of complex (oxy)fluorides K ₂ TiOF ₄ , K ₃ TiOF ₅ , K ₇ Ti ₄ O ₄ F ₇ and K ₂ TiF ₆ . <i>Journal of Hazardous Materials</i> , 2009, 171, 279-287.	12.4	18

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19	Photodecomposition of Metal Nitrate and Chloride Compounds Yields Amorphous Metal Oxide Films. <i>Journal of the American Chemical Society</i> , 2017, 139, 18174-18177.	13.7	17
20	Macroporous Vanadium Oxide Ion Storage Films Enable Fast Switching Speed and High Cycling Stability of Electrochromic Devices. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30021-30028.	8.0	15
21	Template-free synthesis of monodisperse Cu ₂ WO ₄ (OH) ₂ round and elliptical hollow spheres with a ligand-assisted dissolution process. <i>Chemical Communications</i> , 2009, , 7185.	4.1	12
22	Unusual Role of Point Defects in Perovskite Nickelate Electrocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24887-24895.	8.0	9
23	Fabrication and application of macroscopic nanowire aerogels. <i>Nanoscale</i> , 2021, 13, 7430-7446.	5.6	8
24	Photodeposition of Electrochromic Metal Oxide Films. <i>CheM</i> , 2018, 4, 659-660.	11.7	4
25	Experimental violation of the Leggett-Garg inequality with a single-spin system. <i>Physical Review A</i> , 2022, 105, .	2.5	1