

Xintang Huang

List of Publications by Year in descending order

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32
papers

4,985
citations

430874

18
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

8055
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Metal Oxide-based Electrode Architecture Design for Electrochemical Energy Storage. <i>Advanced Materials</i> , 2012, 24, 5166-5180.	21.0	2,251
2	Carbon-stabilized High-capacity Ferroferric Oxide Nanorod Array for Flexible Solid-state Alkaline Battery-Supercapacitor Hybrid Device with High Environmental Suitability. <i>Advanced Functional Materials</i> , 2015, 25, 5384-5394.	14.9	457
3	Hydrothermal Synthesis of Bi ₂ WO ₆ Uniform Hierarchical Microspheres. <i>Crystal Growth and Design</i> , 2007, 7, 1350-1355.	3.0	337
4	Iron Oxide-Based Nanotube Arrays Derived from Sacrificial Template-Accelerated Hydrolysis: Large-Area Design and Reversible Lithium Storage. <i>Chemistry of Materials</i> , 2010, 22, 212-217.	6.7	311
5	Photocatalytic oxidation of methane over silver decorated zinc oxide nanocatalysts. <i>Nature Communications</i> , 2016, 7, 12273.	12.8	306
6	Direct growth of SnO ₂ nanorod array electrodes for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2009, 19, 1859.	6.7	273
7	Carbon/ZnO Nanorod Array Electrode with Significantly Improved Lithium Storage Capability. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5336-5339.	3.1	202
8	Hierarchical nanostructures of cupric oxide on a copper substrate: controllable morphology and wettability. <i>Journal of Materials Chemistry</i> , 2006, 16, 4427.	6.7	181
9	CNT/Ni hybrid nanostructured arrays: synthesis and application as high-performance electrode materials for pseudocapacitors. <i>Energy and Environmental Science</i> , 2011, 4, 5000.	30.8	125
10	CNT-network modified Ni nanostructured arrays for high performance non-enzymatic glucose sensors. <i>RSC Advances</i> , 2011, 1, 1020.	3.6	80
11	Ultrathin CoFe-layered double hydroxide nanosheets embedded in high conductance Cu ₃ N nanowire arrays with a 3D core-shell architecture for ultrahigh capacitance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24603-24613.	10.3	80
12	Co-Fe layered double hydroxide nanowall array grown from an alloy substrate and its calcined product as a composite anode for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 15969.	6.7	75
13	A general route to thickness-tunable multilayered sheets of sheelite-type metal molybdate and their self-assembled films. <i>Journal of Materials Chemistry</i> , 2007, 17, 2754.	6.7	69
14	Mixed Ni-Cu-oxide nanowire array on conductive substrate and its application as enzyme-free glucose sensor. <i>Analytical Methods</i> , 2012, 4, 4003.	2.7	43
15	Nest-like V ₃ O ₇ self-assembled by porous nanowires as an anode supercapacitor material and its performance optimization through bonding with N-doped carbon. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16475-16484.	10.3	32
16	Preparation and gas-sensing property of ultra-fine NiO/SnO ₂ nano-particles. <i>RSC Advances</i> , 2012, 2, 10324.	3.6	28
17	Building smart TiO ₂ nanorod networks in/on the film of P25 nanoparticles for high-efficiency dye sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 12944-12949.	3.6	22
18	Oxygen Vacancies of Commercial V ₂ O ₅ Induced by Mechanical Force to Enhance the Diffusion of Zinc Ions in Aqueous Zinc Battery. <i>Batteries and Supercaps</i> , 2022, 5, .	4.7	19

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19	Conversion from ZnO nanospindles into ZnO/ZnS core/shell composites and ZnS microspindles. <i>Crystal Research and Technology</i> , 2009, 44, 402-408.	1.3	17
20	Sonochemical synthesis and characterization of ZnO nanorod/Ag nanoparticle composites. <i>Crystal Research and Technology</i> , 2009, 44, 1249-1254.	1.3	16
21	A ZnO/TiO ₂ composite nanorods photoanode with improved performance for dye-sensitized solar cells. <i>Crystal Research and Technology</i> , 2016, 51, 548-553.	1.3	12
22	Fast (Ce,Gd) ₃ Ga ₂ Al ₃ O ₁₂ Scintillators Grown by the Optical Floating Zone Method. <i>Crystal Growth and Design</i> , 2022, 22, 180-190.	3.0	11
23	Cobalt Nanorods as Transition Metal Electrode Materials for Asymmetric Supercapacitor Applications. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20746-20756.	3.1	8
24	Direct growth of 2D MoO ₂ single crystal on SiO ₂ /Si substrate by atmospheric pressure chemical vapor deposition. <i>Materials Chemistry and Physics</i> , 2020, 251, 123166.	4.0	8
25	In Situ Engineering of the Core-Shell Ag@Cu Structure on Porous Nanowire Arrays for High Energy and Stable Aqueous Ag-Bi Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10332-10340.	8.0	7
26	3D porous nickel nanosheet arrays as an advanced electrode material for high energy hybrid supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2020, 864, 114118.	3.8	5
27	Directly Grown K _{0.33} WO ₃ Nanosheet Film Electrode for Fast Direct Electron Transfer of Protein. <i>ChemElectroChem</i> , 2014, 1, 463-470.	3.4	3
28	Wide Concentration Range of Tb ³⁺ Doping Influence on Scintillation Properties of (Ce, Tb) ₃ Tb ₂ Si ₂ O ₁₂ Scintillators. <i>Journal of Applied Physics</i> , 2019, 125, 053101.	2.9	3
29	Catalyst-free synthesis of few-layer graphene films on silicon dioxide/Si substrates using ethylene glycol by chemical vapor deposition. <i>Materials Research Express</i> , 2019, 6, 035602.	1.6	2
30	Low-crystalline FeOx@PPy hybridized with (Ni _{0.25} Mn _{0.75}) ₃ O ₄ @PPy to constructed high-voltage aqueous hybrid capacitor with 2.4 V. <i>Journal of Electroanalytical Chemistry</i> , 2020, 859, 113828.	3.8	1
31	Stable growth of (Ce,Gd) ₃ Ga ₂ Al ₃ O ₁₂ crystal scintillators by the traveling solvent floating zone method. <i>CrystEngComm</i> , 0, , .	2.6	1
32	Image interpretation of weak-coupling N-mer adsorbate's STM system. <i>Science Bulletin</i> , 1997, 42, 371-374.	1.7	0