

Hanyu Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1774384/publications.pdf>

Version: 2024-02-01

23
papers

6,599
citations

394421

19
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

10488
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen-Treated TiO ₂ Nanowire Arrays for Photoelectrochemical Water Splitting. Nano Letters, 2011, 11, 3026-3033.	9.1	2,344
2	Polyaniline and Polypyrrole Pseudocapacitor Electrodes with Excellent Cycling Stability. Nano Letters, 2014, 14, 2522-2527.	9.1	688
3	Hydrogen-treated WO ₃ nanoflakes show enhanced photostability. Energy and Environmental Science, 2012, 5, 6180.	30.8	666
4	Solid-State Supercapacitor Based on Activated Carbon Cloths Exhibits Excellent Rate Capability. Advanced Materials, 2014, 26, 2676-2682.	21.0	660
5	LiCl/PVA Gel Electrolyte Stabilizes Vanadium Oxide Nanowire Electrodes for Pseudocapacitors. ACS Nano, 2012, 6, 10296-10302.	14.6	310
6	High power density microbial fuel cell with flexible 3D graphene-nickel foam as anode. Nanoscale, 2013, 5, 10283.	5.6	265
7	High energy density asymmetric supercapacitors with a nickel oxide nanoflake cathode and a 3D reduced graphene oxide anode. Nanoscale, 2013, 5, 7984.	5.6	253
8	Free-standing nickel oxide nanoflake arrays: synthesis and application for highly sensitive non-enzymatic glucose sensors. Nanoscale, 2012, 4, 3123.	5.6	228
9	Solar driven hydrogen releasing from urea and human urine. Energy and Environmental Science, 2012, 5, 8215.	30.8	160
10	Chemically modified nanostructures for photoelectrochemical water splitting. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2014, 19, 35-51.	11.6	156
11	Photoenhanced Electrochemical Interaction between <i>Shewanella</i> and a Hematite Nanowire Photoanode. Nano Letters, 2014, 14, 3688-3693.	9.1	121
12	An Electrochemical Capacitor with Applicable Energy Density of 7.4 Wh/kg at Average Power Density of 3000 W/kg. Nano Letters, 2015, 15, 3189-3194.	9.1	118
13	An electrochemical method to enhance the performance of metal oxides for photoelectrochemical water oxidation. Journal of Materials Chemistry A, 2016, 4, 2849-2855.	10.3	114
14	Photoelectrochemical study of oxygen deficient TiO ₂ nanowire arrays with CdS quantum dot sensitization. Nanoscale, 2012, 4, 1463.	5.6	110
15	Self-Biased Solar-Microbial Device for Sustainable Hydrogen Generation. ACS Nano, 2013, 7, 8728-8735.	14.6	84
16	Monodispersed Nickel Nanoparticles with Tunable Phase and Size: Synthesis, Characterization, and Magnetic Properties. Journal of Physical Chemistry C, 2008, 112, 18793-18797.	3.1	76
17	Monodispersed Co, Ni-Ferrite Nanoparticles with Tunable Sizes: Controlled Synthesis, Magnetic Properties, and Surface Modification. Journal of Physical Chemistry C, 2008, 112, 911-917.	3.1	73
18	Low-Temperature Activation of Hematite Nanowires for Photoelectrochemical Water Oxidation. ChemSusChem, 2014, 7, 848-853.	6.8	67

#	ARTICLE	IF	CITATIONS
19	Solar-assisted microbial fuel cells for bioelectricity and chemical fuel generation. <i>Nano Energy</i> , 2014, 8, 264-273.	16.0	53
20	Chemically modified titanium oxide nanostructures for dye-sensitized solar cells. <i>Nano Energy</i> , 2013, 2, 1373-1382.	16.0	21
21	Solvothermal Preparation of Pd Nanostructures under Nitrogen and Air Atmospheres and Electrocatalytic Activities for the Oxidation of Methanol. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2425-2430.	8.0	18
22	Reduced graphene oxide modified activated carbon for improving power generation of air-cathode microbial fuel cells. <i>Journal of Materials Research</i> , 2018, 33, 1279-1287.	2.6	8
23	Electrochemical properties of the interaction between cytochrome c and a hematite nanowire array electrode. <i>Bioelectrochemistry</i> , 2019, 129, 162-169.	4.6	6