Syed Mubeen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11105570/publications.pdf

Version: 2024-02-01

36 papers	4,714 citations	257357 24 h-index	345118 36 g-index
36 all docs	36 docs citations	36 times ranked	7326 citing authors

#	Article	IF	Citations
1	Reflection Optical Imaging to Study Oxygen Evolution Reactions. Journal of the Electrochemical Society, 2022, 169, 057507.	1.3	1
2	Electrochemical Impedance Imaging on Conductive Surfaces. Analytical Chemistry, 2021, 93, 12320-12328.	3.2	6
3	Optimization of the nucleation-site density for the electrodeposition of cadmium sulfide on indium-tin-oxide. Electrochimica Acta, 2019, 316, 105-112.	2.6	4
4	10Ã—-Enhanced Heterogeneous Nanocatalysis on a Nanoporous Gold Disk Array with High-Density Hot Spots. ACS Applied Materials & Interfaces, 2019, 11, 13499-13506.	4.0	33
5	Potential Pulse ALD for Room Temperature Fabrication of Stoichiometric CdTe Nanofilms. Journal of the Electrochemical Society, 2019, 166, H3249-H3256.	1.3	5
6	Changes in the structure of electrodeposited manganese oxide water oxidation catalysts revealed by in-operando Raman spectroscopy. Journal of Catalysis, 2019, 371, 287-290.	3.1	8
7	Earthâ€Abundant Tin Sulfideâ€Based Photocathodes for Solar Hydrogen Production. Advanced Science, 2018, 5, 1700362.	5.6	29
8	Microwaveâ€Assisted Synthesis of Ultrastable Cu@TiO₂ Coreâ€Shell Nanowires with Tunable Diameters via a Redoxâ€Hydrolysis Synergetic Process. ChemNanoMat, 2018, 4, 914-918.	1.5	8
9	A plasmonic liquid junction photovoltaic cell with greatly improved power conversion efficiency. Chemical Communications, 2016, 52, 13460-13462.	2.2	5
10	Plasmonâ€Mediated Photocatalytic Decomposition of Formic Acid on Palladium Nanostructures. Advanced Optical Materials, 2016, 4, 1041-1046.	3.6	32
11	Anisotropic Growth of TiO₂ onto Gold Nanorods for Plasmon-Enhanced Hydrogen Production from Water Reduction. Journal of the American Chemical Society, 2016, 138, 1114-1117.	6.6	422
12	Panchromatic Photoproduction of H₂ with Surface Plasmons. Nano Letters, 2015, 15, 2132-2136.	4.5	80
13	A surface plasmon enabled liquid-junction photovoltaic cell. Faraday Discussions, 2015, 178, 413-420.	1.6	7
14	On the Plasmonic Photovoltaic. ACS Nano, 2014, 8, 6066-6073.	7.3	152
15	Investigation of Arrays of Photosynthetically Active Heterostructures Using Conductive Probe Atomic Force Microscopy. Nano Letters, 2014, 14, 3328-3334.	4.5	13
16	An autonomous photosynthetic device in which all charge carriers derive from surface plasmons. Nature Nanotechnology, 2013, 8, 247-251.	15.6	1,050
17	Stabilizing inorganic photoelectrodes for efficient solar-to-chemical energy conversion. Energy and Environmental Science, 2013, 6, 1633.	15.6	32
18	Hybrid tin oxide-SWNT nanostructures based gas sensor. Electrochimica Acta, 2013, 92, 484-490.	2.6	57

#	Article	IF	Citations
19	Synthesis of Chemicals Using Solar Energy with Stable Photoelectrochemically Active Heterostructures. Nano Letters, 2013, 13, 2110-2115.	4.5	25
20	Plasmonic Photoanodes for Solar Water Splitting with Visible Light. Nano Letters, 2012, 12, 5014-5019.	4.5	491
21	Plasmonic Properties of Gold Nanoparticles Separated from a Gold Mirror by an Ultrathin Oxide. Nano Letters, 2012, 12, 2088-2094.	4.5	256
22	Hybrid ZnO/SWNT Nanostructures Based Gas Sensor. Electroanalysis, 2012, 24, 1613-1620.	1.5	20
23	Plasmonic Photosensitization of a Wide Band Gap Semiconductor: Converting Plasmons to Charge Carriers. Nano Letters, 2011, 11, 5548-5552.	4.5	385
24	Gateâ€Tunable Surface Processes on a Singleâ€Nanowire Fieldâ€Effect Transistor. Advanced Materials, 2011, 23, 2306-2312.	11.1	37
25	Selective and Rapid Room Temperature Detection of H₂S Using Gold Nanoparticle Chain Arrays. Electroanalysis, 2011, 23, 2623-2628.	1.5	32
26	Gas Sensing Mechanism of Gold Nanoparticles Decorated Singleâ€Walled Carbon Nanotubes. Electroanalysis, 2011, 23, 2687-2692.	1.5	43
27	Electrical and Sensing Properties of Singleâ€Walled Carbon Nanotubes Network: Effect of Alignment and Selective Breakdown. Electroanalysis, 2010, 22, 99-105.	1.5	37
28	Electrical and gas sensing properties of polyaniline functionalized single-walled carbon nanotubes. Nanotechnology, 2010, 21, 075502.	1.3	57
29	Sensitive Detection of H₂S Using Gold Nanoparticle Decorated Single-Walled Carbon Nanotubes. Analytical Chemistry, 2010, 82, 250-257.	3.2	180
30	Synthesis of Sn doped CuO nanotubes from coreâ€“shell Cu/SnO2nanowires by the Kirkendall effect. Nanotechnology, 2010, 21, 295601.	1.3	24
31	A gas nanosensor unaffected by humidity. Nanotechnology, 2009, 20, 255501.	1.3	44
32	Size-controlled electrochemical synthesis and properties of SnO₂nanotubes. Nanotechnology, 2009, 20, 185602.	1.3	79
33	Recent progress in carbon nanotube-based gas sensors. Nanotechnology, 2008, 19, 332001.	1.3	559
34	Fabrication of nanoelectrodes and nanojunction hydrogen sensor. Applied Physics Letters, 2008, 93, 133111.	1.5	12
35	Palladium Nanoparticles Decorated Single-Walled Carbon Nanotube Hydrogen Sensor. Journal of Physical Chemistry C, 2007, 111, 6321-6327.	1.5	373
36	Poly(m-aminobenzene sulfonic acid) functionalized single-walled carbon nanotubes based gas sensor. Nanotechnology, 2007, 18, 165504.	1.3	116