

Jiangtian Li

List of Publications by Year in descending order

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54
papers

9,336
citations

126708

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h-index

168136

53
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56
all docs

56
docs citations

56
times ranked

14505
citing authors

#	ARTICLE	IF	CITATIONS
1	Seamless separation of OH _{ad} and H _{ad} on a Ni ⁺ O catalyst toward exceptional alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1278-1283.	5.2	9
2	Oxygen Evolution Reaction in Energy Conversion and Storage: Design Strategies Under and Beyond the Energy Scaling Relationship. <i>Nano-Micro Letters</i> , 2022, 14, 112.	14.4	104
3	Earth-Abundant Fe and Ni Dually Doped Co ₂ P for Superior Oxygen Evolution Reactivity and as a Bifunctional Electrocatalyst toward Renewable Energy-Powered Overall Alkaline Water Splitting. <i>ACS Applied Energy Materials</i> , 2021, 4, 9969-9981.	2.5	18
4	Boosted Oxygen Evolution Reactivity by Igniting Double Exchange Interaction in Spinel Oxides. <i>Journal of the American Chemical Society</i> , 2020, 142, 50-54.	6.6	199
5	Multimetallic FeCoNiO _x Nanoparticles Covered with Nitrogen-Doped Graphene Layers as Trifunctional Catalysts for Hydrogen Evolution and Oxygen Reduction and Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 7119-7129.	2.4	24
6	Dual Roles of MoO ₃ Thin Film in Improving the Performance of Copper Bismuth Oxide Photocathode for Solar Water Splitting. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2020, 17, .	1.1	0
7	Distorted Inverse Spinel Nickel Cobaltite Grown on a MoS ₂ Plate for Significantly Improved Water Splitting Activity. <i>Chemistry of Materials</i> , 2019, 31, 7590-7600.	3.2	42
8	Ru@RuO ₂ Core-Shell Nanorods: A Highly Active and Stable Bifunctional Catalyst for Oxygen Evolution and Hydrogen Evolution Reactions. <i>Energy and Environmental Materials</i> , 2019, 2, 201-208.	7.3	64
9	Functionalization of a Metal-Organic Framework Semiconductor for Tuned Band Structure and Catalytic Activity. <i>Journal of the Electrochemical Society</i> , 2019, 166, H3029-H3034.	1.3	44
10	Photoelectrochemical overall water splitting with textured CuBi ₂ O ₄ as a photocathode. <i>Chemical Communications</i> , 2018, 54, 3331-3334.	2.2	72
11	Understanding charge transfer dynamics in QDs-TiO ₂ nanorod array photoanodes for solar fuel generation. <i>Applied Surface Science</i> , 2018, 429, 48-54.	3.1	16
12	Energy band engineering of metal oxide for enhanced visible light absorption. , 2018, , 49-78.		16
13	Thermodynamics of the oxygen evolution electrocatalysis in a functionalized UiO-66 metal-organic frameworks. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 1153-1159.	1.0	9
14	Study of the inorganic substitution in a functionalized UiO-66 metal-organic framework. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12748-12754.	1.3	61
15	Distinguishing surface effects of gold nanoparticles from plasmonic effect on photoelectrochemical water splitting by hematite. <i>Journal of Materials Research</i> , 2016, 31, 1608-1615.	1.2	25
16	Above and below band edge light recovery with plasmonics. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
17	Enhancement of Solar Hydrogen Generation by Synergistic Interaction of La ₂ Ti ₂ O ₇ Photocatalyst with Plasmonic Gold Nanoparticles and Reduced Graphene Oxide Nanosheets. <i>ACS Catalysis</i> , 2015, 5, 1949-1955.	5.5	122
18	Controlling Plasmon-Induced Resonance Energy Transfer and Hot Electron Injection Processes in Metal@TiO ₂ Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16239-16244.	1.5	219

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19	Plasmon-induced resonance energy transfer for solar energy conversion. <i>Nature Photonics</i> , 2015, 9, 601-607.	15.6	587
20	Semiconductor-based photocatalysts and photoelectrochemical cells for solar fuel generation: a review. <i>Catalysis Science and Technology</i> , 2015, 5, 1360-1384.	2.1	824
21	Air-processed depleted bulk heterojunction solar cells based on PbS/CdS core-shell quantum dots and TiO ₂ nanorod arrays. <i>Solar Energy Materials and Solar Cells</i> , 2014, 124, 67-74.	3.0	35
22	Solar Hydrogen Generation by a CdS-Au-TiO ₂ Sandwich Nanorod Array Enhanced with Au Nanoparticle as Electron Relay and Plasmonic Photosensitizer. <i>Journal of the American Chemical Society</i> , 2014, 136, 8438-8449.	6.6	533
23	Plasmon-induced photonic and energy-transfer enhancement of solar water splitting by a hematite nanorod array. <i>Nature Communications</i> , 2013, 4, 2651.	5.8	427
24	Photocatalytic generation of hydrogen with visible-light nitrogen-doped lanthanum titanium oxides. <i>Catalysis Today</i> , 2013, 199, 48-52.	2.2	85
25	Nanostructured carbon-metal oxide composite electrodes for supercapacitors: a review. <i>Nanoscale</i> , 2013, 5, 72-88.	2.8	1,853
26	SnO ₂ @CdS nanowire-quantum dots heterostructures: tailoring optical properties of SnO ₂ for enhanced photodetection and photocatalysis. <i>Nanoscale</i> , 2013, 5, 3022.	2.8	69
27	Ag@Cu ₂ O Core-Shell Nanoparticles as Visible-Light Plasmonic Photocatalysts. <i>ACS Catalysis</i> , 2013, 3, 47-51.	5.5	471
28	Photocatalytic Water Oxidation by Hematite/Reduced Graphene Oxide Composites. <i>ACS Catalysis</i> , 2013, 3, 746-751.	5.5	226
29	Solar Hydrogen Generation by Nanoscale n-junction of p-type Molybdenum Disulfide/n-type Nitrogen-Doped Reduced Graphene Oxide. <i>Journal of the American Chemical Society</i> , 2013, 135, 10286-10289.	6.6	599
30	Differential Mouse Pulmonary Dose and Time Course Responses to Titanium Dioxide Nanospheres and Nanobelts. <i>Toxicological Sciences</i> , 2013, 131, 179-193.	1.4	64
31	Photoelectrochemical performance enhanced by a nickel oxide-hematite junction photoanode. <i>Chemical Communications</i> , 2012, 48, 8213.	2.2	196
32	Microsomal Glutathione Transferase 1 Protects Against Toxicity Induced by Silica Nanoparticles but Not by Zinc Oxide Nanoparticles. <i>ACS Nano</i> , 2012, 6, 1925-1938.	7.3	100
33	Photocatalytic Activity Enhanced by Plasmonic Resonant Energy Transfer from Metal to Semiconductor. <i>Journal of the American Chemical Society</i> , 2012, 134, 15033-15041.	6.6	1,052
34	Enhanced photoelectrochemical activity of an excitonic staircase in CdS@TiO ₂ and CdS@anatase@rutile TiO ₂ heterostructures. <i>Journal of Materials Chemistry</i> , 2012, 22, 20472.	6.7	87
35	Single-crystalline Ni(OH) ₂ and NiO nanoplatelet arrays as supercapacitor electrodes. <i>Nanoscale</i> , 2011, 3, 5103.	2.8	287
36	Water-Soluble Superparamagnetic Magnetite Nanoparticles with Biocompatible Coating for Enhanced Magnetic Resonance Imaging. <i>ACS Nano</i> , 2011, 5, 6315-6324.	7.3	250

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37	Preparation and visible-light photocatalytic activity of In ₂ S ₃ /TiO ₂ composite. <i>Materials Chemistry and Physics</i> , 2010, 122, 183-187.	2.0	62
38	Preparation and DSC application of the size-tuned ZnO nanoarrays. <i>Journal of Alloys and Compounds</i> , 2010, 489, 694-699.	2.8	26
39	Room-temperature ferromagnetism in Ti ^{IV} O ₂ nanocrystals synthesized from an organic-free and water-soluble precursor. <i>Journal of Alloys and Compounds</i> , 2010, 499, 160-165.	2.8	16
40	A two-step surface modification approach for Au and CdS NPs loaded mesoporous thin films and the greatly enhanced optical nonlinearity. <i>Dalton Transactions</i> , 2010, 39, 3233.	1.6	7
41	A one-pot method to grow pyrochlore H ₄ Nb ₂ O ₇ -octahedron-based photocatalyst. <i>Journal of Materials Chemistry</i> , 2010, 20, 1942.	6.7	38
42	Stepwise in situ synthesis and characterization of metallophthalocyanines@mesoporous matrix SBA-15 composites. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5109.	1.3	9
43	Diazobenzene chromophore-doped silica films with large two-photon absorption cross-section. <i>Dyes and Pigments</i> , 2009, 82, 204-208.	2.0	3
44	Donor-acceptor structure between Ag nanoparticles and azobenzene chromophore and its enhanced third-order optical non-linearity. <i>Dalton Transactions</i> , 2009, , 823-831.	1.6	23
45	Preparation and third-order optical nonlinearity of gold nanoparticles incorporated mesoporous TiO ₂ thin films. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 107.	0.9	14
46	Electron transport properties of an ethanol-soluble AlQ ₃ -based coordination polymer and its applications in OLED devices. <i>Journal of Materials Chemistry</i> , 2009, 19, 4551.	6.7	39
47	An easy co-casting method to synthesize mesostructured carbon composites with high magnetic separability and acid resistance. <i>New Journal of Chemistry</i> , 2009, 33, 1926.	1.4	18
48	Linear and nonlinear optical properties of covalently bound C.I. Disperse Red 1 chromophore/silica hybrid film. <i>Dyes and Pigments</i> , 2008, 78, 219-224.	2.0	35
49	A pre-modification-direct synthesis route for the covalent incorporation and monomeric dispersion of hydrophobic organic chromophores in mesoporous silica films. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 150-156.	2.2	3
50	Template-Free Preparation of Mesoporous Fe ₂ O ₃ and Its Application as Absorbents. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13378-13382.	1.5	140
51	A facile route to synthesize magnetic particles within hollow mesoporous spheres and their performance as separable Hg ²⁺ adsorbents. <i>Journal of Materials Chemistry</i> , 2008, 18, 2733.	6.7	74
52	A soluble coordination polymer and its sol-gel-derived amorphous films: synthesis and third-order nonlinear optical properties. <i>Journal of Materials Chemistry</i> , 2008, 18, 3688.	6.7	19
53	Azo Chromophore Monomerically Bonded Mesostructured Silica Films with Large Third-Order Nonlinearity but Negligible Nonlinear Absorption. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13754-13762.	1.5	6
54	Carbon nanostructures formed on mesoporous silica by catalytic chemical vapor deposition of ethene. <i>Journal of Materials Research</i> , 2008, 23, 435-443.	1.2	2