Zhonghua Li

List of Publications by Year
in descending order

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47	2,117	257101	233125
papers	citations	24 h-index	45 g-index

47	47	47	3003
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding the Phase-Induced Electrocatalytic Oxygen Evolution Reaction Activity on FeOOH Nanostructures. ACS Catalysis, 2019, 9, 10705-10711.	5.5	233
2	Cu2O/Cu/TiO2 nanotube Ohmic heterojunction arrays with enhanced photocatalytic hydrogen production activity. International Journal of Hydrogen Energy, 2012, 37, 6431-6437.	3.8	140
3	Vertically aligned two-dimensional SnS₂ nanosheets with a strong photon capturing capability for efficient photoelectrochemical water splitting. Journal of Materials Chemistry A, 2017, 5, 1989-1995.	5.2	117
4	Mesocrystalline Ti3+TiO2 hybridized g-C3N4 for efficient visible-light photocatalysis. Carbon, 2018, 128, 21-30.	5.4	110
5	Black reduced porous SnO2 nanosheets for CO2 electroreduction with high formate selectivity and low overpotential. Applied Catalysis B: Environmental, 2020, 260, 118134.	10.8	107
6	Improved Interface Charge Transfer and Redistribution in CuOâ€CoOOH pâ€n Heterojunction Nanoarray Electrocatalyst for Enhanced Oxygen Evolution Reaction. Advanced Science, 2021, 8, e2103314.	5.6	100
7	Defect engineered Ta2O5 nanorod: One-pot synthesis, visible-light driven hydrogen generation and mechanism. Applied Catalysis B: Environmental, 2017, 217, 48-56.	10.8	84
8	A crystallineâ€“amorphous Niâ€“Ni(OH)₂ coreâ€“shell catalyst for the alkaline hydrogen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 23323-23329.	5.2	77
9	Efficiently Synergistic Hydrogen Evolution Realized by Trace Amount of Pt-Decorated Defect-Rich SnS₂ Nanosheets. ACS Applied Materials & Interfaces, 2017, 9, 37750-37759.	4.0	76
10	Ag loaded flower-like BaTiO₃nanotube arrays: Fabrication and enhanced photocatalytic property. CrystEngComm, 2012, 14, 1473-1478.	1.3	74
11	Ta O C chemical bond enhancing charge separation between Ta4+ doped Ta2O5 quantum dots and cotton-like g-C3N4. Applied Catalysis B: Environmental, 2017, 205, 271-280.	10.8	73
12	Visible light photocatalysis of amorphous Cl-Ta2O5â^'x microspheres for stabilized hydrogen generation. Journal of Colloid and Interface Science, 2020, 572, 141-150.	5.0	62
13	Mesocrystalline Ta3N5 superstructures with long-lived charges for improved visible light photocatalytic hydrogen production. Journal of Colloid and Interface Science, 2020, 560, 359-368.	5.0	58
14	Non-planar vertical photodetectors based on free standing two-dimensional SnS₂ nanosheets. Nanoscale, 2017, 9, 9167-9174.	2.8	57
15	Effect of Pt loading and calcination temperature on the photocatalytic hydrogen production activity of TiO2 microspheres. Ceramics International, 2013, 39, 5387-5391.	2.3	56
16	Facile synthesis of Ag₃VO₄/Î²-AgVO₃ nanowires with efficient visible-light photocatalytic activity. RSC Advances, 2017, 7, 27515-27521.	1.7	49
17	Boosting visible light photocatalytic activity via impregnation-induced RhB-sensitized MIL-125(Ti). Chemical Engineering Research and Design, 2019, 143, 90-99.	2.7	49
18	One-Step Controllable Synthesis for High-Quality Ultrafine Metal Oxide Semiconductor Nanocrystals via a Separated Two-Phase Hydrolysis Reaction. Journal of the American Chemical Society, 2008, 130, 2676-2680.	6.6	48

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19	Photocatalytic hydrogen production from water/methanol solutions over highly ordered Agâ€“SrTiO3 nanotube arrays. International Journal of Hydrogen Energy, 2011, 36, 5811-5816.	3.8	41
20	Effects of calcination temperature on the morphology, structure and photocatalytic activity of titanate nanotube thin films. Thin Solid Films, 2010, 519, 541-548.	0.8	32
21	Photocatalytic Water Splitting Over a Protonated Layered Perovskite Tantalate H1.81Sr0.81Bi0.19Ta2O7. Catalysis Letters, 2008, 123, 80-83.	1.4	31
22	Photocatalytic property of La2Ti2O7 synthesized by the mineralization polymerizable complex method. Materials Research Bulletin, 2008, 43, 1781-1788.	2.7	31
23	Design of highly ordered Agâ€“SrTiO3 nanotube arrays for photocatalytic degradation of methyl orange. Journal of Solid State Chemistry, 2011, 184, 1924-1930.	1.4	29
24	PCR-Free Colorimetric DNA Hybridization Detection Using a 3D DNA Nanostructured Reporter Probe. ACS Applied Materials & Interfaces, 2017, 9, 38281-38287.	4.0	28
25	Template free synthesis of crystallized nanoporous F-Ta2O5 spheres for effective photocatalytic hydrogen production. Nanoscale, 2012, 4, 3867.	2.8	24
26	Construction of hybrid Ag2CO3/AgVO3 nanowires with enhanced visible light photocatalytic activity. Materials Research Bulletin, 2018, 101, 246-252.	2.7	23
27	Mesocrystalline Ta2O5 nanosheets supported Pd Pt nanoparticles for efficient photocatalytic hydrogen production. International Journal of Hydrogen Energy, 2018, 43, 8232-8242.	3.8	22
28	Heterostructured Ag3PO4/TiO2 film with high efficiency for degradation of methyl orange under visible light. Thin Solid Films, 2014, 551, 8-12.	0.8	21
29	Facile synthesis of Ti 3+ doped Ag/AgI TiO 2 nanoparticles with efficient visible-light photocatalytic activity. International Journal of Hydrogen Energy, 2017, 42, 13031-13038.	3.8	21
30	Superstructure Ta₂O₅ mesocrystals derived from (NH₄)₂Ta₂O₃F₆ mesocrystals with efficient photocatalytic activity. Dalton Transactions, 2018, 47, 1948-1957.	1.6	21
31	Bimetal-organic frameworks derived carbon doped ZnO/Co 3 O 4 heterojunction as visible-light stabilized photocatalysts. Materials Science in Semiconductor Processing, 2018, 79, 24-31.	1.9	20
32	Synthesis of plasmonic Ti³⁺ doped Au/Cl-TiO₂ mesocrystals with enhanced visible light photocatalytic activity. Dalton Transactions, 2017, 46, 11898-11904.	1.6	19
33	A facile template-free method for preparing bi-phase TiO2 nanowire arrays with high photocatalytic activity. Materials Letters, 2010, 64, 1776-1778.	1.3	18
34	One-step synthesis of the single crystal Ta2O5 nanowires with superior hydrogen production activity. Materials Letters, 2017, 191, 150-153.	1.3	17
35	Plasmon-resonance-enhanced visible-light photocatalytic activity of Ag quantum dots/TiO 2 microspheres for methyl orange degradation. Solid State Sciences, 2018, 80, 1-5.	1.5	17
36	One-step synthesis of oxygen vacancy-rich SnO2 quantum dots with ultrahigh visible-light photocatalytic activity. Materials Research Bulletin, 2019, 118, 110486.	2.7	16

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37	Single crystal titanateâ€“zirconate nanoleaf: Synthesis, growth mechanism and enhanced photocatalytic hydrogen evolution properties. CrystEngComm, 2012, 14, 1874.	1.3	15
38	Preparation and photocatalytic activity for water splitting of Ptâ€“Na2Ta2O6 nanotube arrays. Journal of Solid State Chemistry, 2013, 198, 192-196.	1.4	15
39	Facile synthesis of Ti 3+ -TiO 2 mesocrystals for efficient visible-light photocatalysis. Journal of Physics and Chemistry of Solids, 2018, 119, 94-99.	1.9	15
40	Photocatalytic hydrogen production over In2S3â€“Ptâ€“Na2Ti3O7 nanotube films under visible light irradiation. Ceramics International, 2013, 39, 8059-8063.	2.3	12
41	Synthesis of Ti3+ and P5+ co-doped TiO2 nanocrystal with enhanced visible light photocatalytic activity. Catalysis Communications, 2017, 102, 1-4.	1.6	11
42	High-responsivity photodetector based on scrolling monolayer MoS₂ hybridized with carbon quantum dots. Nanotechnology, 2022, 33, 105301.	1.3	10
43	Engineering the Optoelectronic Properties of 2D Hexagonal Boron Nitride Monolayer Films by Sulfur Substitutional Doping. ACS Applied Materials & Interfaces, 2022, 14, 16453-16461.	4.0	10
44	Synthesis ofÎ²-AgVO₃nanowires decorated with Ag₂CrO₄, with improved visible light photocatalytic performance. Semiconductor Science and Technology, 2018, 33, 055010.	1.0	9
45	The role of hybrid dielectric interfaces in improving the performance of multilayer InSe transistors. Journal of Materials Chemistry C, 2020, 8, 6701-6709.	2.7	8
46	Terminal p-Ï€ conjugation induced excited-state symmetry-breaking charge separation for porous carbon nitride based heterojunction. Journal of Alloys and Compounds, 2021, 882, 160550.	2.8	7
47	Synthesis of mixâ€faceted Cu ₂ O nanoparticles with tunable {111} and {100} facet ratios for enhanced photocatalytic activity. Micro and Nano Letters, 2018, 13, 135-137.	0.6	4