

Lan Sun

List of Publications by Year in descending order

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5453
citing authors

#	ARTICLE	IF	CITATIONS
1	Core-shell Satellite Plasmonic Photocatalyst for Broad-Spectrum Photocatalytic Water Splitting. , 2021, 3, 69-76.		59
2	Heterostructured Ternary In ₂ O ₃ -Ag-TiO ₂ Nanotube Arrays for Simulated Sunlight-Driven Photoelectrocatalytic Hydrogen Generation. ChemElectroChem, 2021, 8, 577-584.	3.4	7
3	Direct Z-scheme WO ₃ -nanowire-bridged TiO ₂ nanorod arrays for highly efficient photoelectrochemical overall water splitting. Journal of Energy Chemistry, 2021, 59, 721-729.	12.9	42
4	Synthesis of Surface-Oxygen-Vacancy-Rich (GaN) _{0.5} (ZnO) _{0.5} Particles with Enhanced Visible-Light Photodegradation Performance. Inorganic Chemistry, 2020, 59, 7012-7026.	4.0	14
5	Electrochemical synthesis of perovskite LaFeO ₃ nanoparticle-modified TiO ₂ nanotube arrays for enhanced visible-light photocatalytic activity. New Journal of Chemistry, 2019, 43, 16506-16514.	2.8	18
6	3D Heterostructured Ti-Based Bi ₂ MoO ₆ /Pd/TiO ₂ Photocatalysts for High-Efficiency Solar Light Driven Photoelectrocatalytic Hydrogen Generation. ACS Applied Energy Materials, 2019, 2, 558-568.	5.1	23
7	LaFeO ₃ nanoparticle-coupled TiO ₂ nanotube array composite with enhanced visible light photocatalytic activity. Materials Letters, 2018, 216, 1-4.	2.6	22
8	Rational Construction of LaFeO ₃ Perovskite Nanoparticle-Modified TiO ₂ Nanotube Arrays for Visible-Light Driven Photocatalytic Activity. Coatings, 2018, 8, 374.	2.6	18
9	ZnGaNO Photocatalyst Particles Prepared from Methane-Based Nitridation Using Zn/Ga/CO ₃ LDH as Precursor. Inorganic Chemistry, 2018, 57, 9412-9424.	4.0	13
10	Tuning Ag morphology on TiO ₂ nanotube arrays by pulse reverse current deposition for enhanced plasmon-driven visible-light response. Journal of Applied Electrochemistry, 2017, 47, 959-968.	2.9	3
11	High-efficiency photoelectrochemical hydrogen generation enabled by p-type semiconductor nanoparticle-decorated n-type nanotube arrays. RSC Advances, 2017, 7, 17551-17558.	3.6	13
12	Enhanced visible light photoelectrocatalytic activity over Cu _x Zn _{1-x} In ₂ S ₄ @TiO ₂ nanotube array hetero-structures. Journal of Materials Chemistry A, 2017, 5, 1292-1299.	10.3	37
13	A Scientometric Analysis of Aerogel Research in 1996-2015. , 2017, , .		0
14	Fe ³⁺ -Doped TiO ₂ Nanotube Arrays on Ti-Fe Alloys for Enhanced Photoelectrocatalytic Activity. Nanomaterials, 2016, 6, 107.	4.1	22
15	Controllable degradation of medical magnesium by electrodeposited composite films of mussel adhesive protein (Mefp-1) and chitosan. Journal of Colloid and Interface Science, 2016, 478, 246-255.	9.4	18
16	Automatic identification of ramie and cotton fibers based on iodine blue reaction, Part I: the optimum conditions for the iodine blue reaction of cellulose. Textile Research Journal, 2016, 86, 848-855.	2.2	0
17	Nonepitaxial growth of uniform and precisely size-tunable core/shell nanoparticles and their enhanced plasmon-driven photocatalysis. Journal of Materials Chemistry A, 2016, 4, 7190-7199.	10.3	85
18	Room temperature synthesis of CdS nanoparticle-decorated TiO ₂ nanotube arrays by electrodeposition with improved visible-light photoelectrochemical properties. Electrochemistry Communications, 2016, 63, 56-59.	4.7	22

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19	Enhanced photoelectrocatalytic hydrogen production activity of SrTiO ₃ @TiO ₂ hetero-nanoparticle modified TiO ₂ nanotube arrays. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 9704-9712.	7.1	44
20	Heterojunctions: One-Dimensional Densely Aligned Perovskite-Decorated Semiconductor Heterojunctions with Enhanced Photocatalytic Activity (Small 12/2015). <i>Small</i> , 2015, 11, 1435-1435.	10.0	0
21	Acid Orange II degradation through a heterogeneous Fenton-like reaction using Fe@TiO ₂ nanotube arrays as a photocatalyst. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8537-8544.	10.3	80
22	Efficient visible light-induced photoelectrocatalytic hydrogen production using CdS sensitized TiO ₂ nanorods on TiO ₂ nanotube arrays. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22218-22226.	10.3	72
23	Reduced platelet adhesion and improved corrosion resistance of superhydrophobic TiO ₂ -nanotube-coated 316L stainless steel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 134-141.	5.0	101
24	One-Dimensional Densely Aligned Perovskite-Decorated Semiconductor Heterojunctions with Enhanced Photocatalytic Activity. <i>Small</i> , 2015, 11, 1436-1442.	10.0	86
25	Inorganic-modified semiconductor TiO ₂ nanotube arrays for photocatalysis. <i>Energy and Environmental Science</i> , 2014, 7, 2182-2202.	30.8	461
26	An ultrasound-assisted deposition of NiO nanoparticles on TiO ₂ nanotube arrays for enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8223.	10.3	82
27	A facile hydrothermal deposition of ZnFe ₂ O ₄ nanoparticles on TiO ₂ nanotube arrays for enhanced visible light photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12082.	10.3	119
28	N-doped TiO ₂ nanotube array photoelectrode for visible-light-induced photoelectrochemical and photoelectrocatalytic activities. <i>Electrochimica Acta</i> , 2013, 108, 525-531.	5.2	79
29	n Heterojunction photoelectrodes composed of Cu ₂ O-loaded TiO ₂ nanotube arrays with enhanced photoelectrochemical and photoelectrocatalytic activities. <i>Energy and Environmental Science</i> , 2013, 6, 1211.	30.8	483
30	Optimized porous rutile TiO ₂ nanorod arrays for enhancing the efficiency of dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 1615.	30.8	160
31	Ultrasound-assisted synthesis and visible-light-driven photocatalytic activity of Fe-incorporated TiO ₂ nanotube array photocatalysts. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 410-417.	12.4	118
32	Multi-functional hybrid protonated titanate nanobelts with tunable wettability. <i>Soft Matter</i> , 2011, 7, 6313.	2.7	28
33	Preparation of Acid-Resisting Ultramarine Blue by Novel Two-Step Silica Coating Process. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7326-7331.	3.7	16
34	Electrochemical construction of Z-scheme type CdS@Ag@TiO ₂ nanotube arrays with enhanced photocatalytic activity. <i>Electrochemistry Communications</i> , 2011, 13, 1469-1472.	4.7	78
35	Al ₂ O ₃ -TiO ₂ composite oxide films on etched aluminum foil fabricated by electrodeposition and anodization. <i>Science China Chemistry</i> , 2011, 54, 1558-1564.	8.2	10
36	SERS study of Ag nanoparticles electrodeposited on patterned TiO ₂ nanotube films. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 986-991.	2.5	42

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37	Nitrogen-doped TiO ₂ nanotube array films with enhanced photocatalytic activity under various light sources. <i>Journal of Hazardous Materials</i> , 2010, 184, 855-863.	12.4	240
38	Photoelectrocatalytic properties of Ag nanoparticles loaded TiO ₂ nanotube arrays prepared by pulse current deposition. <i>Electrochimica Acta</i> , 2010, 55, 7211-7218.	5.2	175
39	Controllable construction of ZnO/TiO ₂ patterning nanostructures by superhydrophilic/superhydrophobic templates. <i>New Journal of Chemistry</i> , 2010, 34, 44-51.	2.8	44
40	Fabrication of uniform Ag/TiO ₂ nanotube array structures with enhanced photoelectrochemical performance. <i>New Journal of Chemistry</i> , 2010, 34, 1335.	2.8	181
41	Ultrasound aided photochemical synthesis of Ag loaded TiO ₂ nanotube arrays to enhance photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2009, 171, 1045-1050.	12.4	223
42	Controllable incorporation of CdS nanoparticles into TiO ₂ nanotubes for highly enhancing the photocatalytic response to visible light. <i>Science in China Series B: Chemistry</i> , 2009, 52, 2148-2155.	0.8	20
43	Sonoelectrochemical synthesis of highly photoelectrochemically active TiO ₂ nanotubes by incorporating CdS nanoparticles. <i>Nanotechnology</i> , 2009, 20, 295601.	2.6	71
44	Superhydrophilic/superhydrophobic micropattern on TiO ₂ nanotube films by photocatalytic lithography. <i>Electrochemistry Communications</i> , 2008, 10, 387-391.	4.7	147
45	Some Critical Structure Factors of Titanium Oxide Nanotube Array in Its Photocatalytic Activity. <i>Environmental Science & Technology</i> , 2007, 41, 4735-4740.	10.0	274
46	Effects of the Structure of TiO ₂ Nanotube Array on Ti Substrate on Its Photocatalytic Activity. <i>Journal of the Electrochemical Society</i> , 2006, 153, D123.	2.9	200