Chang Feng

List of Publications by Year
in descending order

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34	1,319	393982	395343
papers	citations	19	33
		h-index	g-index

34	34	34	1587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of sulfur-doped g-C 3 N 4 /Au/CdS Z-scheme photocatalyst to improve the photocatalytic performance under visible light. Applied Catalysis B: Environmental, 2015, 168-169, 465-471.	10.8	313
2	The photocatalytic phenol degradation mechanism of Ag-modified ZnO nanorods. Journal of Materials Chemistry C, 2020, 8, 3000-3009.	2.7	136
3	Effectively enhanced photocatalytic hydrogen production performance of one-pot synthesized MoS2 clusters/CdS nanorod heterojunction material under visible light. Chemical Engineering Journal, 2018, 345, 404-413.	6.6	128
4	Significantly enhanced photocatalytic hydrogen production performance of g-C3N4/CNTs/CdZnS with carbon nanotubes as the electron mediators. Journal of Materials Science and Technology, 2021, 80, 75-83.	5.6	76
5	Fabrication of an ultrathin 2D/2D C3N4/MoS2 heterojunction photocatalyst with enhanced photocatalytic performance. Journal of Alloys and Compounds, 2019, 808, 151681.	2.8	56
6	A novel TiO2 nanotube arrays/MgTixOy multiphase-heterojunction film with high efficiency for photoelectrochemical cathodic protection. Corrosion Science, 2020, 166, 108441.	3.0	52
7	Enhanced visible-light-driven photocatalytic activities of 0D/1D heterojunction carbon quantum dot modified CdS nanowires. Chinese Journal of Catalysis, 2018, 39, 841-848.	6.9	38
8	Fabrication of a novel g-C3N4/Carbon nanotubes/Ag3PO4 Z-scheme photocatalyst with enhanced photocatalytic performance. Materials Letters, 2019, 234, 183-186.	1.3	37
9	Transforming g-C3N4 from amphoteric to n-type semiconductor: The important role of p/n type on photoelectrochemical cathodic protection. Journal of Alloys and Compounds, 2021, 851, 156820.	2.8	36
10	Dramatically enhanced photoelectrochemical properties and transformed p/n type of g-C3N4 caused by K and I co-doping. Electrochimica Acta, 2019, 297, 488-496.	2.6	34
11	Boosted photoinduced cathodic protection performance of ZnIn2S4/TiO2 nanoflowerbush with efficient photoelectric conversion in NaCl solution. Journal of Alloys and Compounds, 2021, 876, 160144.	2.8	30
12	Study of the promotion mechanism of the photocatalytic performance and stability of the Ag@AgCl/g-C₃N₄ composite under visible light. RSC Advances, 2014, 4, 38124-38132.	1.7	29
13	An ultrafine hyperbranched CdS/TiO2 nanolawn photoanode with highly efficient photoelectrochemical performance. Journal of Alloys and Compounds, 2020, 816, 152533.	2.8	29
14	Enhanced visible light photocatalytic property of red phosphorus via surface roughening. Materials Research Bulletin, 2015, 70, 13-19.	2.7	28
15	First-principle calculation of the electronic structures and optical properties of the metallic and nonmetallic elements-doped ZnO on the basis of photocatalysis. Physica B: Condensed Matter, 2019, 555, 53-60.	1.3	28
16	Optimized preparation of Co-Pi decorated g-C3N4@ZnO shell-core nanorod array for its improved photoelectrochemical performance and stability. Journal of Alloys and Compounds, 2019, 780, 540-551.	2.8	26
17	Enhanced performance of microbial fuel cell using carbon microspheres modified graphite anode. Energy Science and Engineering, 2017, 5, 217-225.	1.9	23
18	Enhanced photocatalytic performance of the MoS2/g-C3N4 heterojunction composite prepared by vacuum freeze drying method. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 390, 112260.	2.0	23

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19	Synergistic effect of hierarchical structure and Z-scheme heterojunction constructed by CdS nanoparticles and nanoflower-structured Co9S8 with significantly enhanced photocatalytic hydrogen production performance. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 409, 113160.	2.0	21
20	Enhanced photoelectrochemical performance of hydrogen-treated SrTiO3/TiO2 nanotube arrays heterojunction composite. Journal of Electroanalytical Chemistry, 2017, 807, 213-219.	1.9	19
21	Highly enhanced photoelectrochemical cathodic protection performance of the preparation of magnesium oxides modified TiO2 nanotube arrays. Journal of Electroanalytical Chemistry, 2019, 834, 138-144.	1.9	19
22	In-situ synthesis of CdS quantum dots on CdCO3 cubic structure for enhanced photocatalytic hydrogen production performance. Materials Letters, 2019, 255, 126560.	1.3	17
23	Band structure and enhanced photocatalytic degradation performance of Mg-doped CdS nanorods. Physica B: Condensed Matter, 2020, 594, 412363.	1.3	17
24	Fabrication of three-dimensional WO3/ZnWO4/ZnO multiphase heterojunction system with electron storage capability for significantly enhanced photoinduced cathodic protection performance. Journal of Materials Science and Technology, 2021, 90, 183-193.	5.6	17
25	Dual-functional ZnxMg1-xO solid solution nanolayer modified ZnO tussock-like nanorods with improved photoelectrochemical anti-corrosion performance. Journal of Electroanalytical Chemistry, 2018, 815, 175-182.	1.9	15
26	Enhanced photocatalytic activity of BiOCl with regulated morphology and band structure through controlling the adding amount of HCl. Materials Letters, 2020, 272, 127860.	1.3	15
27	Effectively enhanced photocatalytic degradation performance of the Ag-modified porous ZnO nanorod photocatalyst. Journal of Materials Science: Materials in Electronics, 2018, 29, 9301-9311.	1.1	14
28	Synthesis of a novel three-dimensional sponge-like microporous CdS film with high photoelectrochemical performance and stability. Journal of Electroanalytical Chemistry, 2020, 874, 114524.	1.9	10
29	Photoelectrochemical cathodic protection of Cu2O/TiO2 p-n heterojunction under visible light. Journal of Oceanology and Limnology, 2020, 38, 1517-1531.	0.6	9
30	Using the photoinduced volt-ampere curves to study the p/n types of the corrosion products with semiconducting properties. Journal of Electroanalytical Chemistry, 2021, 881, 114961.	1.9	9
31	Intrinsic Mechanism Analyses of Significantly Enhanced Photoelectrochemical Performance of the Bi₂MoO₆/BiVO₄ System. Langmuir, 2022, 38, 8906-8917.	1.6	7
32	Fabrication of Carbon Dots Modified Porous ZnO Nanorods with Enhanced Photocatalytic Activity. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2015, 31, 2349-2357.	2.2	4
33	Fabrication of Ag-modified porous ZnMgO nanorods with enhanced photocatalytic performance. Journal of Materials Science: Materials in Electronics, 2018, 29, 16962-16970.	1.1	2
34	Boosted photoelectric cathodic protection exerted by 3D TiO2/AgInS2/In2S3 nanomultijunction for pure copper in NaCl solution. Journal of Applied Electrochemistry, 0, , .	1.5	2