

Chang Feng

List of Publications by Year in descending order

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34
papers

1,319
citations

393982

19
h-index

395343

33
g-index

34
all docs

34
docs citations

34
times ranked

1587
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsic Mechanism Analyses of Significantly Enhanced Photoelectrochemical Performance of the Bi ₂ MoO ₆ /BiVO ₄ System. <i>Langmuir</i> , 2022, 38, 8906-8917.	1.6	7
2	Transforming g-C ₃ N ₄ from amphoteric to n-type semiconductor: The important role of p/n type on photoelectrochemical cathodic protection. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156820.	2.8	36
3	Using the photoinduced volt-ampere curves to study the p/n types of the corrosion products with semiconducting properties. <i>Journal of Electroanalytical Chemistry</i> , 2021, 881, 114961.	1.9	9
4	Synergistic effect of hierarchical structure and Z-scheme heterojunction constructed by CdS nanoparticles and nanoflower-structured Co ₉ S ₈ with significantly enhanced photocatalytic hydrogen production performance. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 409, 113160.	2.0	21
5	Significantly enhanced photocatalytic hydrogen production performance of g-C ₃ N ₄ /CNTs/CdZnS with carbon nanotubes as the electron mediators. <i>Journal of Materials Science and Technology</i> , 2021, 80, 75-83.	5.6	76
6	Boosted photoinduced cathodic protection performance of ZnIn ₂ S ₄ /TiO ₂ nanoflowerbush with efficient photoelectric conversion in NaCl solution. <i>Journal of Alloys and Compounds</i> , 2021, 876, 160144.	2.8	30
7	Fabrication of three-dimensional WO ₃ /ZnWO ₄ /ZnO multiphase heterojunction system with electron storage capability for significantly enhanced photoinduced cathodic protection performance. <i>Journal of Materials Science and Technology</i> , 2021, 90, 183-193.	5.6	17
8	A novel TiO ₂ nanotube arrays/MgTi _x O _y multiphase-heterojunction film with high efficiency for photoelectrochemical cathodic protection. <i>Corrosion Science</i> , 2020, 166, 108441.	3.0	52
9	An ultrafine hyperbranched CdS/TiO ₂ nanolawn photoanode with highly efficient photoelectrochemical performance. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152533.	2.8	29
10	The photocatalytic phenol degradation mechanism of Ag-modified ZnO nanorods. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3000-3009.	2.7	136
11	Enhanced photocatalytic performance of the MoS ₂ /g-C ₃ N ₄ heterojunction composite prepared by vacuum freeze drying method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 390, 112260.	2.0	23
12	Synthesis of a novel three-dimensional sponge-like microporous CdS film with high photoelectrochemical performance and stability. <i>Journal of Electroanalytical Chemistry</i> , 2020, 874, 114524.	1.9	10
13	Band structure and enhanced photocatalytic degradation performance of Mg-doped CdS nanorods. <i>Physica B: Condensed Matter</i> , 2020, 594, 412363.	1.3	17
14	Photoelectrochemical cathodic protection of Cu ₂ O/TiO ₂ p-n heterojunction under visible light. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 1517-1531.	0.6	9
15	Enhanced photocatalytic activity of BiOCl with regulated morphology and band structure through controlling the adding amount of HCl. <i>Materials Letters</i> , 2020, 272, 127860.	1.3	15
16	Fabrication of an ultrathin 2D/2D C ₃ N ₄ /MoS ₂ heterojunction photocatalyst with enhanced photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2019, 808, 151681.	2.8	56
17	In-situ synthesis of CdS quantum dots on CdCO ₃ cubic structure for enhanced photocatalytic hydrogen production performance. <i>Materials Letters</i> , 2019, 255, 126560.	1.3	17
18	Fabrication of a novel g-C ₃ N ₄ /Carbon nanotubes/Ag ₃ PO ₄ Z-scheme photocatalyst with enhanced photocatalytic performance. <i>Materials Letters</i> , 2019, 234, 183-186.	1.3	37

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19	First-principle calculation of the electronic structures and optical properties of the metallic and nonmetallic elements-doped ZnO on the basis of photocatalysis. <i>Physica B: Condensed Matter</i> , 2019, 555, 53-60.	1.3	28
20	Highly enhanced photoelectrochemical cathodic protection performance of the preparation of magnesium oxides modified TiO ₂ nanotube arrays. <i>Journal of Electroanalytical Chemistry</i> , 2019, 834, 138-144.	1.9	19
21	Dramatically enhanced photoelectrochemical properties and transformed p/n type of g-C ₃ N ₄ caused by K and I co-doping. <i>Electrochimica Acta</i> , 2019, 297, 488-496.	2.6	34
22	Optimized preparation of Co-Pi decorated g-C ₃ N ₄ @ZnO shell-core nanorod array for its improved photoelectrochemical performance and stability. <i>Journal of Alloys and Compounds</i> , 2019, 780, 540-551.	2.8	26
23	Enhanced visible-light-driven photocatalytic activities of 0D/1D heterojunction carbon quantum dot modified CdS nanowires. <i>Chinese Journal of Catalysis</i> , 2018, 39, 841-848.	6.9	38
24	Effectively enhanced photocatalytic hydrogen production performance of one-pot synthesized MoS ₂ clusters/CdS nanorod heterojunction material under visible light. <i>Chemical Engineering Journal</i> , 2018, 345, 404-413.	6.6	128
25	Effectively enhanced photocatalytic degradation performance of the Ag-modified porous ZnO nanorod photocatalyst. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9301-9311.	1.1	14
26	Dual-functional Zn _x Mg _{1-x} O solid solution nanolayer modified ZnO tussock-like nanorods with improved photoelectrochemical anti-corrosion performance. <i>Journal of Electroanalytical Chemistry</i> , 2018, 815, 175-182.	1.9	15
27	Fabrication of Ag-modified porous ZnMgO nanorods with enhanced photocatalytic performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 16962-16970.	1.1	2
28	Enhanced performance of microbial fuel cell using carbon microspheres modified graphite anode. <i>Energy Science and Engineering</i> , 2017, 5, 217-225.	1.9	23
29	Enhanced photoelectrochemical performance of hydrogen-treated SrTiO ₃ /TiO ₂ nanotube arrays heterojunction composite. <i>Journal of Electroanalytical Chemistry</i> , 2017, 807, 213-219.	1.9	19
30	Fabrication of Carbon Dots Modified Porous ZnO Nanorods with Enhanced Photocatalytic Activity. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2015, 31, 2349-2357.	2.2	4
31	Fabrication of sulfur-doped g-C ₃ N ₄ /Au/CdS Z-scheme photocatalyst to improve the photocatalytic performance under visible light. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 465-471.	10.8	313
32	Enhanced visible light photocatalytic property of red phosphorus via surface roughening. <i>Materials Research Bulletin</i> , 2015, 70, 13-19.	2.7	28
33	Study of the promotion mechanism of the photocatalytic performance and stability of the Ag@AgCl/g-C ₃ N ₄ composite under visible light. <i>RSC Advances</i> , 2014, 4, 38124-38132.	1.7	29
34	Boosted photoelectric cathodic protection exerted by 3D TiO ₂ /AgInS ₂ /In ₂ S ₃ nanomultijunction for pure copper in NaCl solution. <i>Journal of Applied Electrochemistry</i> , 0, , .	1.5	2