

Xiaoxing Fan

List of Publications by Year in descending order

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48
papers

3,260
citations

236925

25
h-index

206112

48
g-index

49
all docs

49
docs citations

49
times ranked

4696
citing authors

#	ARTICLE	IF	CITATIONS
1	Low temperature preparation and visible light photocatalytic activity of mesoporous carbon-doped crystalline TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2007, 69, 138-144.	20.2	881
2	Band Structure Engineering of Carbon Nitride: In Search of a Polymer Photocatalyst with High Photooxidation Property. <i>ACS Catalysis</i> , 2013, 3, 912-919.	11.2	450
3	Selective synthesis and visible-light photocatalytic activities of BiVO ₄ with different crystalline phases. <i>Materials Chemistry and Physics</i> , 2007, 103, 162-167.	4.0	293
4	Enhanced activity of mesoporous Nb ₂ O ₅ for photocatalytic hydrogen production. <i>Applied Surface Science</i> , 2007, 253, 8500-8506.	6.1	173
5	The structural, physical and photocatalytic properties of the mesoporous Cr-doped TiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2008, 284, 155-160.	4.8	154
6	A Novel ZnII-Sensitive Fluorescent Chemosensor Assembled within Aminopropyl-Functionalized Mesoporous SBA-15. <i>Inorganic Chemistry</i> , 2006, 45, 6844-6850.	4.0	112
7	Facile <i>in situ</i> construction of mediator-free direct Z-scheme g-C ₃ N ₄ /CeO ₂ heterojunctions with highly efficient photocatalytic activity. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 275302.	2.8	110
8	Core-Shell Microspherical Ti _{1-x} Zr _x O ₂ Solid Solution Photocatalysts Directly from Ultrasonic Spray Pyrolysis. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19323-19328.	2.6	79
9	<i>In Situ</i> Transmission Electron Microscopy Observation of Sodiation-Desodiation in a Long Cycle, High-Capacity Reduced Graphene Oxide Sodium-Ion Battery Anode. <i>Chemistry of Materials</i> , 2016, 28, 6528-6535.	6.7	79
10	Doping-Induced Hydrogen-Bond Engineering in Polymeric Carbon Nitride To Significantly Boost the Photocatalytic H ₂ Evolution Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17341-17349.	8.0	71
11	Site-selected N vacancy of g-C ₃ N ₄ for photocatalysis and physical mechanism. <i>Applied Materials Today</i> , 2018, 13, 329-338.	4.3	66
12	In-situ construction of 2D direct Z-scheme g-C ₃ N ₄ /g-C ₃ N ₄ homojunction with high photocatalytic activity. <i>Journal of Materials Science</i> , 2018, 53, 15882-15894.	3.7	52
13	High-yield and low-cost method to synthesize large-area porous g-C ₃ N ₄ nanosheets with improved photocatalytic activity for gaseous nitric oxide and 2-propanol photodegradation. <i>Applied Surface Science</i> , 2019, 464, 577-585.	6.1	47
14	Facile Method To Synthesize Mesoporous Multimetal Oxides (ATiO ₃ , A = Sr, Ba) with Large Specific Surface Areas and Crystalline Pore walls. <i>Chemistry of Materials</i> , 2010, 22, 1276-1278.	6.7	45
15	Strategy to boost catalytic activity of polymeric carbon nitride: synergistic effect of controllable <i>in situ</i> surface engineering and morphology. <i>Nanoscale</i> , 2019, 11, 16393-16405.	5.6	45
16	Interfacial charge modulation: carbon quantum dot implanted carbon nitride double-deck nanoframes for robust visible-light photocatalytic tetracycline degradation. <i>Nanoscale</i> , 2020, 12, 3135-3145.	5.6	45
17	Hierarchical Self-assembly of Well-Defined Louver-Like P-Doped Carbon Nitride Nanowire Arrays with Highly Efficient Hydrogen Evolution. <i>Nano-Micro Letters</i> , 2020, 12, 52.	27.0	45
18	Porous size dependent g-C ₃ N ₄ for efficient photocatalysts: Regulation synthesizes and physical mechanism. <i>Materials Today Energy</i> , 2019, 13, 11-21.	4.7	41

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19	Fe ₂ O ₃ nanorods/CuO nanoparticles p-n heterojunction photoanode: Effective charge separation and enhanced photoelectrochemical properties. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 32-42.	9.4	39
20	A small and robust Al(III)-chemosensor based on bis-Schiff base N,N'-bis-(1,4-phenylenedimethylidene)bis-1,4-benzene diamine. <i>Inorganic Chemistry Communication</i> , 2008, 11, 203-206.	3.9	38
21	Facile transformation of low cost melamine to oxalic acid into porous graphitic carbon nitride nanosheets with high visible-light photocatalytic performance. <i>RSC Advances</i> , 2017, 7, 14372-14381.	3.6	36
22	Large-Scale Preparation of g-C ₃ N ₄ Porous Nanotubes with Enhanced Photocatalytic Activity by Using Salicylic Acid and Melamine. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1065-1072.	3.7	33
23	A host-guest self-assembly strategy to enhance electron densities in ultrathin porous carbon nitride nanocages toward highly efficient hydrogen evolution. <i>Chemical Engineering Journal</i> , 2022, 430, 132880.	12.7	33
24	Role of phosphorus in synthesis of phosphated mesoporous TiO ₂ photocatalytic materials by EISA method. <i>Applied Surface Science</i> , 2008, 254, 5191-5198.	6.1	31
25	Steering charge kinetics boost the photocatalytic activity of graphitic carbon nitride: heteroatom-mediated spatial charge separation and transfer. <i>Journal Physics D: Applied Physics</i> , 2019, 53, 015502.	2.8	28
26	High specific surface area defective g-C ₃ N ₄ nanosheets with enhanced photocatalytic activity prepared by using glyoxylic acid mediated melamine. <i>Materials Chemistry and Physics</i> , 2020, 256, 123755.	4.0	24
27	A low-cost and high-yield approach for preparing g-C ₃ N ₄ with a large specific surface area and enhanced photocatalytic activity by using formaldehyde-treated melamine. <i>Journal of Alloys and Compounds</i> , 2020, 845, 156293.	5.5	22
28	Self-Assembly Mechanism of Complex Corrugated Particles. <i>Journal of the American Chemical Society</i> , 2021, 143, 19655-19667.	13.7	20
29	Effect of crystal growth on mesoporous Pb ₃ Nb ₄ O ₁₃ formation, and their photocatalytic activity under visible-light irradiation. <i>Journal of Materials Chemistry</i> , 2010, 20, 2865.	6.7	19
30	Revelation solvent effects: excited state hydrogen bond and proton transfer of 2-(benzo[d]thiazol-2-yl)-3-methoxynaphthalen-1-ol. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2780-2787.	4.5	19
31	Protonated supramolecular complex-induced porous graphitic carbon nitride nanosheets as bifunctional catalyst for water oxidation and organic pollutant degradation. <i>Journal of Materials Science</i> , 2019, 54, 7637-7650.	3.7	16
32	Hydrothermal Synthesis and Visible Light Photocatalytic Properties of Bi ₂ O ₂ CO ₃ /Bi ₂ WO ₆ Composite. <i>Catalysis Letters</i> , 2018, 148, 41-50.	2.6	13
33	K ⁺ -Doped ZnO/g-C ₃ N ₄ Heterojunction: Controllable Preparation, Efficient Charge Separation, and Excellent Photocatalytic VOC Degradation Performance. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 187-197.	3.7	13
34	An artful and simple synthetic strategy for fabricating low carbon residual porous g-C ₃ N ₄ with enhanced visible-light photocatalytic properties. <i>RSC Advances</i> , 2016, 6, 83730-83737.	3.6	12
35	Self-assembled hierarchical carbon/g-C ₃ N ₄ composite with high photocatalytic activity. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 135501.	2.8	12
36	Preparation of K ⁺ doped ZnO nanorods with enhanced photocatalytic performance under visible light. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 035301.	2.8	11

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37	Effects of annealing pressure and Ar ⁺ sputtering cleaning on Al-doped ZnO films. <i>Applied Surface Science</i> , 2016, 387, 779-783.	6.1	9
38	Ag-loaded mesoporous Pb ₃ Nb ₂ O ₈ photocatalysts with enhanced activity under visible-light irradiation. <i>Chinese Journal of Catalysis</i> , 2017, 38, 83-91.	14.0	9
39	Solvothermal synthesis of core-shell ZnO hollow microhemispheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 46-50.	4.7	7
40	Preparation of Mesostructured Lamellar Zirconia. <i>Materials and Manufacturing Processes</i> , 2007, 22, 705-709.	4.7	5
41	The photoelectrochemical properties of Sn ₂ Nb ₂ O ₇ photoanode. <i>Journal of Alloys and Compounds</i> , 2019, 773, 1033-1039.	5.5	5
42	Fe ₂ O ₃ /FePO ₄ /FeOOH Ternary Stepped Energy Band Heterojunction Photoanode with Cascade-Driven Charge Transfer and Enhanced Photoelectrochemical Performance. <i>ChemSusChem</i> , 2022, 15, .	6.8	5
43	Photoelectrochemical properties of TiO ₂ /g-C ₃ N ₄ composited electrodes fabricated by a co-electrodeposited method. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 145104.	2.8	4
44	Synthesis of Mo-doped ultrathin BiVO ₄ nanosheets with efficient visible-light-driven photocatalytic activity. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950270.	2.0	3
45	Photoelectrochemical Properties of Pb ₃ Nb ₄ O ₁₃ as a New Photoanode Material. <i>Journal of the Electrochemical Society</i> , 2017, 164, H1047-H1052.	2.9	2
46	Photothermal synergic catalytic degradation of the gaseous organic pollutant isopropanol in oxygen vacancies utilizing ZnFe ₂ O ₄ . <i>Journal of Chemical Research</i> , 2021, 45, 773-780.	1.3	2
47	Role of Acetaldehyde on Synthesizing Large Surface Area Porous g-C ₃ N ₄ Nanosheets with Enhanced Photocatalytic Performance by Using Acetaldehyde-Melamine. <i>Nano</i> , 2020, 15, 2050066.	1.0	1
48	Mechanism of surface plasmon-catalyzed reaction of fluorine phenylboronic acid. <i>Journal of Nanophotonics</i> , 2018, 12, 1.	1.0	1