

Aijian Wang

List of Publications by Year in descending order

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44
papers

1,091
citations

394421

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414414

32
g-index

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45
docs citations

45
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	Substituent effects of symmetric cobalt porphyrins using graphene oxide as substrate on catalytic oxygen reduction reactions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 640, 128499.	4.7	6
2	Strongly Coupled Nitrogen-Doped Mo ₂ C@CoNi Alloy Hybrid Architecture toward Efficient Hydrogen Evolution Reaction. <i>Inorganic Chemistry</i> , 2022, 61, 4114-4120.	4.0	13
3	A tin porphyrin axially-coordinated two-dimensional covalent organic polymer for efficient hydrogen evolution. <i>Chemical Communications</i> , 2022, 58, 7423-7426.	4.1	12
4	Synergistic promoted nonlinear optical effects in polyaniline nano hybrids covalently functionalized with tin porphyrin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129588.	4.7	6
5	Rational design of FeO _x -MoP@MWCNT composite electrocatalysts toward efficient overall water splitting. <i>Chemical Communications</i> , 2021, 57, 6149-6152.	4.1	15
6	Boosted charge transfer in porphyrin and zinc phthalocyanine co-functionalized graphene oxide nano hybrids toward improved optical limiting and H ₂ evolution. <i>Dyes and Pigments</i> , 2021, 187, 109142.	3.7	13
7	Regulating the type of cobalt porphyrins for synergistic promotion of photoelectrochemical water splitting of BiVO ₄ . <i>Dyes and Pigments</i> , 2021, 192, 109468.	3.7	16
8	Efficient photoelectrochemical water oxidation of cobalt phthalocyanine decorated BiVO ₄ photoanode by improving kinetics. <i>Applied Surface Science</i> , 2021, 564, 150463.	6.1	27
9	Enhanced optical limiting and hydrogen evolution of graphene oxide nano hybrids covalently functionalized by covalent organic polymer based on porphyrin. <i>Dalton Transactions</i> , 2021, 50, 7007-7016.	3.3	20
10	Synergistic optimization promoted overall water splitting of CoSe@NiSe ₂ @MoS ₂ heterostructured composites. <i>Chemical Communications</i> , 2021, 57, 12516-12519.	4.1	14
11	Efficient catalytic activity of BiOBr@polyaniline-MnO ₂ ternary nanocomposites for sunlight-driven photodegradation of ciprofloxacin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112126.	3.9	15
12	Graphene oxide ternary nano hybrids co-functionalized by phenyl porphyrins and thienyl-appended porphyrins for efficient optical limiting. <i>Dyes and Pigments</i> , 2020, 174, 108057.	3.7	12
13	Porphyrin coordination polymer/Co _{1-x} S composite electrocatalyst for efficient oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2020, 400, 125975.	12.7	48
14	Insights into the synergistic effect of multi-walled carbon nanotube decorated Mo-doped CoP ₂ hybrid electrocatalysts toward efficient and durable overall water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17621-17633.	10.3	53
15	Efficient nonlinear-optical behaviors of chiral-amide-bonded porphyrin noncovalent functionalized MWCNTs by terminated pyrene units. <i>New Journal of Chemistry</i> , 2020, 44, 14890-14895.	2.8	9
16	Nonlinear optical performances of graphene oxide ternary nano hybrids functionalized by axially coordinated gallium porphyrins. <i>New Journal of Chemistry</i> , 2020, 44, 16468-16476.	2.8	6
17	Triple Functions of Ni(OH) ₂ on the Surface of WN Nanowires Remarkably Promoting Electrocatalytic Activity in Full Water Splitting. <i>ACS Catalysis</i> , 2020, 10, 13323-13333.	11.2	120
18	Electrochemical hydrogen and oxygen evolution reactions from a cobalt-porphyrin-based covalent organic polymer. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 598-606.	9.4	53

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19	Nonlinear optical modification of single-walled carbon nanotube by decorating with metal and metal-free porphyrins. <i>Diamond and Related Materials</i> , 2020, 106, 107838.	3.9	11
20	Mechanistic insight on porphyrin based porous titanium coordination polymer as efficient bifunctional electrocatalyst for hydrogen and oxygen evolution reactions. <i>Dyes and Pigments</i> , 2020, 181, 108568.	3.7	19
21	Reduced graphene oxide covalently functionalized with polyaniline for efficient optical nonlinearities at 532 and 1064 nm. <i>Dyes and Pigments</i> , 2019, 160, 344-352.	3.7	28
22	Graphene-oxide-supported covalent organic polymers based on zinc phthalocyanine for efficient optical limiting and hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 159-171.	9.4	37
23	Efficient optical limiting of polypyrrole ternary nanohybrids co-functionalized with peripherally substituted porphyrins and axially coordinated metal-porphyrins. <i>Dalton Transactions</i> , 2019, 48, 14467-14477.	3.3	24
24	Effect of hydrothermal reduction temperature on the optical nonlinearities of porphyrin covalently functionalized graphene oxide. <i>Dyes and Pigments</i> , 2019, 167, 189-194.	3.7	15
25	Fabrication of pyrimidine/g-C ₃ N ₄ nanocomposites for efficient photocatalytic activity under visible-light illumination. <i>Dyes and Pigments</i> , 2019, 163, 634-640.	3.7	28
26	Effect of covalent linkage between hexagonal boron nitride and porphyrins on the optical nonlinearities. <i>Journal of Alloys and Compounds</i> , 2019, 775, 1007-1015.	5.5	19
27	Multifunctional carbon nitride nano-homojunction decorated g-C ₃ N ₄ nanocomposites for optoelectronic performances. <i>Applied Surface Science</i> , 2019, 467-468, 1140-1147.	6.1	16
28	Improved solubility and efficient optical limiting for methacrylate-co-porphyrins covalently functionalized single walled carbon nanotube nanohybrids. <i>Dyes and Pigments</i> , 2019, 161, 155-161.	3.7	32
29	Porphyrin decorated Bi ₂ O ₂ CO ₃ nanocomposites with efficient difunctional properties of photocatalysis and optical nonlinearity. <i>Journal of Alloys and Compounds</i> , 2018, 748, 929-937.	5.5	35
30	Influence of metal-porphyrins on the photocatalysis of graphitic carbon nitride. <i>Dyes and Pigments</i> , 2018, 153, 241-247.	3.7	60
31	Coordination-induced broadband optical nonlinearity through axial bonding of pyridine anchored methine-bridged polypyrrole to metal-porphyrins. <i>Dyes and Pigments</i> , 2018, 157, 20-26.	3.7	27
32	Novel Bi ₂ O ₂ CO ₃ /polypyrrole/g-C ₃ N ₄ nanocomposites with efficient photocatalytic and nonlinear optical properties. <i>RSC Advances</i> , 2017, 7, 7658-7670.	3.6	47
33	Polyaniline decorated Bi ₂ MoO ₆ nanosheets with effective interfacial charge transfer as photocatalysts and optical limiters. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28696-28709.	2.8	60
34	Accessible fabrication and mechanism insight of heterostructured BiOCl/Bi ₂ MoO ₆ /g-C ₃ N ₄ nanocomposites with efficient photosensitized activity. <i>Journal of Alloys and Compounds</i> , 2017, 726, 164-172.	5.5	33
35	The Role of Lewis and Brønsted Acid Sites in NO Reduction with NH ₃ on Sulfur Modified TiO ₂ -Supported V ₂ O ₅ Catalyst. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 2489-2494.	0.6	4
36	Facile synthesis and photocatalytic activity of a novel titanium dioxide nanocomposite coupled with zinc porphyrin. <i>Nanomaterials and Nanotechnology</i> , 2016, 6, 184798041666948.	3.0	7

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37	Effect of acid/base on the third-order optical nonlinearity of polypyrrole. <i>Journal of Molecular Structure</i> , 2015, 1099, 291-296.	3.6	24
38	A novel zinc tetraphenylporphyrinate substituted in the axial position with one E-stilbazole: Synthesis, structure, and nonlinear optics. <i>Inorganic Chemistry Communication</i> , 2015, 57, 47-50.	3.9	9
39	Crystal structure of 2-butylsulfanyl-4,6-bis[(E)-styryl]pyrimidine. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o368-o368.	0.5	0
40	Crystal structure of 4,6-bis[(E)-4-bromostyryl]-2-(butylsulfanyl)pyrimidine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1282-o1282.	0.2	0
41	Allyloxyporphyrinâ€Functionalized Multiwalled Carbon Nanotubes: Synthesis by Radical Polymerization and Enhanced Opticalâ€Limiting Properties. <i>Chemistry - an Asian Journal</i> , 2014, 9, 639-648.	3.3	19
42	Facile Synthesis and Enhanced Nonlinear Optical Properties of Porphyrinâ€Functionalized Multiâ€Walled Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2013, 19, 14159-14170.	3.3	49
43	Cooperative enhancement of optical nonlinearities in a porphyrin derivative bearing a pyrimidine chromophore at the periphery. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4250.	2.8	30
44	Porphyrin and Phthalocyanine Covalently Functionalized Graphene and Carbon Nanotube Nanohybrids for Optical Limiting. , 0, , .		0