Aziz Habibi-Yangjeh

List of Publications by Year
in descending order

234 papers	13,941 citations	16451 64 h-index	28297 105 g-index
248 all docs	248 docs citations	248 times ranked	8873 citing authors

#	Article	IF	Citations
1	Titania-activated persulfate for environmental remediation: the-state-of-the-art. Catalysis Reviews - Science and Engineering, 2023, 65, 118-173.	12.9	94
2	Antiproliferative activity of zinc oxide-silver nanocomposite interlinked with Vaccinium arctostaphylos L. fruit extract against cancer cells and bacteria. Chemical Papers, 2022, 76, 247-257.	2.2	1
3	Perovskite-type lanthanum ferrite based photocatalysts: Preparation, properties, and applications. Journal of Energy Chemistry, 2022, 66, 314-338.	12.9	88
4	Novel visible-light TiO2/Bi3O4Br photocatalysts with n-n heterojunction: Highly impressive performance for elimination of tetracycline and dye contaminants. Optical Materials, 2022, 123, 111831.	3.6	8
5	TiO2/CDs modified thin-film nanocomposite polyamide membrane for simultaneous enhancement of antifouling and chlorine-resistance performance. Desalination, 2022, 525, 115506.	8.2	39
6	Simultaneous Dual-Functional Photocatalysis by g-C₃N₄-Based Nanostructures. ACS ES&T Engineering, 2022, 2, 564-585.	7.6	149
7	Facile fabrication of TiO₂/Bi₅O₇Br photocatalysts for visible-light-assisted removal of tetracycline and dye wastewaters. Journal Physics D: Applied Physics, 2022, 55, 165105.	2.8	8
8	Spin regulation on (Co,Ni)Se2/C@FeOOH hollow nanocage accelerates water oxidation. Chinese Journal of Catalysis, 2022, 43, 839-850.	14.0	26
9	Ultrasonic-assisted decoration of Ag2WO4, AgI, and Ag nanoparticles over tubular g-C3N4: Plasmonic photocatalysts for impressive removal of tetracycline under visible light. Photochemical and Photobiological Sciences, 2022, 21, 1201-1215.	2.9	3
10	Enhancement in hydrogen storage capabilities of Cr, Mo, and W-embedded graphitic carbon nitride nanosheets: A DFT investigation. Chemical Physics Letters, 2022, 794, 139490.	2.6	3
11	Visible-light-triggered persulfate activation by CuCo2S4 modified ZnO photocatalyst for degradation of tetracycline hydrochloride. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 642, 128640.	4.7	19
12	Nanoarchitecturing TiO2/NiCr2O4 p-n heterojunction photocatalysts for visible-light-induced activation of persulfate to remove tetracycline hydrochloride. Chemosphere, 2022, 300, 134594.	8.2	21
13	Fabrication of TiO2/CeO2/CeFeO3 tandem n-n heterojunction nanocomposites for visible-light-triggered photocatalytic degradation of tetracycline and colored effluents. Ceramics International, 2022, 48, 22352-22361.	4.8	10
14	Combining brown titanium dioxide with BiOBr and AgBr nanoparticles using a facile one-pot procedure to promote visible-light photocatalytic performance. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 431, 114034.	3.9	19
15	Binary visible-light-triggered ZnO/Bi4O5Br2 photocatalysts with n-n heterojunction: Simple fabrication and impressively activation of peroxodisulfate ions for degradation of tetracycline. Surfaces and Interfaces, 2022, 32, 102147.	3.0	9
16	Synergistic influence of SiC and C₃N₄ reinforcements on the characteristics of ZrB₂-based composites. Journal of Asian Ceramic Societies, 2021, 9, 53-62.	2.3	6
17	Fabrication, characterization, and photocatalytic studies of novel ZnO/Ag3BiO3 nanocomposites: impressive photocatalysts for degradation of some dyes. Journal of Materials Science: Materials in Electronics, 2021, 32, 2704-2718.	2.2	6
18	Heterogeneous photocatalytic activation of persulfate ions with novel ZnO/AgFeO2 nanocomposite for contaminants degradation under visible light. Journal of Materials Science: Materials in Electronics, 2021, 32, 4272-4289.	2.2	15

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19	Z-scheme-based heterostructure photocatalysts for organic pollutant degradation. , 2021, , 177-217.		2
20	Photocatalytic performance of oxygen vacancy rich-TiO2 combined with Bi4O5Br2 nanoparticles on degradation of several water pollutants. Advanced Powder Technology, 2021, 32, 304-316.	4.1	21
21	Novel high-performance H2Se sensor based on Zn/P-, Cd/P-, and Hg/P-modified graphitic carbon nitride sheets: A DFT study. Journal of the Iranian Chemical Society, 2021, 18, 2447-2455.	2.2	4
22	Integration of Bi4O5I2 nanoparticles with ZnO: Impressive visible-light-induced systems for elimination of aqueous contaminants. Journal of the Taiwan Institute of Chemical Engineers, 2021, 119, 177-186.	5.3	36
23	Integration of oxygen vacancy rich-TiO2 with BiOI and Ag6Si2O7: Ternary p-n-n photocatalysts with greatly increased performances for degradation of organic contaminants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126101.	4.7	19
24	G-C3N4 nanosheets adhered with Ag3BiO3 and carbon dots with appreciably promoted photoactivity towards elimination of several contaminants. Advanced Powder Technology, 2021, 32, 1196-1206.	4.1	15
25	Integration of Bi5O7I with TiO2: Binary photocatalysts with boosted visible-light photocatalysis in removal of organic contaminants. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 410, 113190.	3.9	10
26	Review on the hazardous applications and photodegradation mechanisms of chlorophenols over different photocatalysts. Environmental Research, 2021, 195, 110742.	7.5	111
27	Visible-light-activated g-C3N4 nanosheet/carbon dot/FeOCl nanocomposites: Photodegradation of dye pollutants and tetracycline hydrochloride. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 617, 126424.	4.7	38
28	Integration g-C3N4 nanotubes and Sb2MoO6 nanoparticles: Impressive photoactivity for tetracycline degradation, Cr (VI) reduction, and organic dyes removals under visible light. Advanced Powder Technology, 2021, 32, 2322-2335.	4.1	22
29	Antifungal activity of TiO₂/AgBr nanocomposites on some phytopathogenic fungi. Food Science and Nutrition, 2021, 9, 3815-3823.	3.4	7
30	Synergistic Coupling of NiTe Nanoarrays with FeOOH Nanosheets for Highly Efficient Oxygen Evolution Reaction. ChemElectroChem, 2021, 8, 3643-3650.	3.4	14
31	Sol-gel coating filled with SDS-stabilized fullerene nanoparticles for active corrosion protection of the magnesium alloy. Surface and Coatings Technology, 2021, 419, 127292.	4.8	38
32	A first-principles investigation of PH3 gas adsorption on the graphitic carbon nitride sheets modified with V/P, Nb/P, and Ta/P elements. Materials Chemistry and Physics, 2021, 269, 124282.	4.0	4
33	Hydrogen peroxide treated g-C3N4 as an effective hydrophilic nanosheet for modification of polyethersulfone membranes with enhanced permeability and antifouling characteristics. Chemosphere, 2021, 279, 130616.	8.2	34
34	Remarkable improvement in hydrogen storage capabilities of graphitic carbon nitride nanosheets under selected transition metal embedding: A DFT study. International Journal of Hydrogen Energy, 2021, 46, 33864-33876.	7.1	26
35	Impressive visible-light photocatalytic performance of TiO2 by integration with Bi2SiO5 nanoparticles: Binary TiO2/Bi2SiO5 photocatalysts with n-n heterojunction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127304.	4.7	15
36	Highly impressive activation of persulfate ions by novel ZnO/CuCo<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e418" altimg="si11.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e426" altimg="si17.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:ms	6.1	15

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37	Novel ZnO/CuBiS2 nanocomposites with p-n heterojunctions for persulfate-promoted photocatalytic mitigation of pollutants under visible light. Surfaces and Interfaces, 2021, 27, 101518.	3.0	8
38	Synthesis of novel AgCl loaded g-C3N5 with ultrahigh activity as visible light photocatalyst for pollutants degradation. Chemical Physics Letters, 2020, 738, 136862.	2.6	47
39	A first-principle investigation of NO2 adsorption behavior on Co, Rh, and Ir-embedded graphitic carbon nitride: Looking for highly sensitive gas sensor. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126057.	2.1	34
40	DFT investigation for NH3 adsorption behavior on Fe, Ru, and Os-embedded graphitic carbon nitride: promising candidates for ammonia adsorbent. Journal of the Iranian Chemical Society, 2020, 17, 25-35.	2.2	6
41	Novel ZnO/Ag6Si2O7 nanocomposites for activation of persulfate ions in photocatalytic removal of organic contaminants under visible light. Materials Chemistry and Physics, 2020, 239, 121988.	4.0	32
42	Combination of NiWO4 and polyaniline with TiO2: fabrication of ternary photocatalysts with highly visible-light-induced photocatalytic performances. Journal of the Iranian Chemical Society, 2020, 17, 351-365.	2.2	11
43	Visible-light-induced nitrogen photofixation ability of g-C3N4 nanosheets decorated with MgO nanoparticles. Journal of Industrial and Engineering Chemistry, 2020, 84, 185-195.	5.8	105
44	Nitrogen photofixation ability of g-C3N4 nanosheets/Bi2MoO6 heterojunction photocatalyst under visible-light illumination. Journal of Colloid and Interface Science, 2020, 563, 81-91.	9.4	166
45	Improving visible-light-induced photocatalytic ability of TiO2 through coupling with Bi3O4Cl and carbon dot nanoparticles. Separation and Purification Technology, 2020, 238, 116404.	7.9	57
46	Synthesis of novel p-n-p BiOBr/ZnO/BiOI heterostructures and their efficient photocatalytic performances in removals of dye pollutants under visible light. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 389, 112247.	3.9	59
47	Adsorption performance of SO2 gases over the transition metal/Pâ€'codoped graphitic carbon nitride: A DFT investigation. Materials Chemistry and Physics, 2020, 243, 122602.	4.0	27
48	g-C3N4/carbon dot-based nanocomposites serve as efficacious photocatalysts for environmental purification and energy generation: A review. Journal of Cleaner Production, 2020, 276, 124319.	9.3	379
49	Biologicallyâ€synthesised ZnO/CuO/Ag nanocomposite using propolis extract and coated on the gauze for wound healing applications. IET Nanobiotechnology, 2020, 14, 548-554.	3.8	19
50	Review on heterogeneous photocatalytic disinfection of waterborne, airborne, and foodborne viruses: Can we win against pathogenic viruses?. Journal of Colloid and Interface Science, 2020, 580, 503-514.	9.4	412
51	Integration of C-dots with g-C3N4 nanosheet/Ag2CO3 nanocomposites as effective Z-scheme visible-light photocatalysts for removal of hazardous organic and inorganic contaminates. Journal of Materials Science: Materials in Electronics, 2020, 31, 13392-13407.	2.2	6
52	Co-regulative effects of chitosan-fennel seed extract system on the hormonal and biochemical factors involved in the polycystic ovarian syndrome. Materials Science and Engineering C, 2020, 117, 111351.	7.3	12
53	Novel ZnO/Ag3PO4/AgI photocatalysts: Preparation, characterization, and the excellent visible-light photocatalytic performances. Materials Science in Semiconductor Processing, 2020, 119, 105229.	4.0	28
54	Pâ€doped <scp>gâ€C₃N₄</scp> as an efficient photocatalyst for <scp>CO₂</scp> conversion into valueâ€added materials: a joint experimental and theoretical study. International Journal of Quantum Chemistry, 2020, 120, e26388.	2.0	10

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55	BiOBr and BiOCl decorated on TiO2 QDs: Impressively increased photocatalytic performance for the degradation of pollutants under visible light. Advanced Powder Technology, 2020, 31, 3582-3596.	4.1	39
56	Novel ternary g-C3N4 nanosheet/Ag2MoO4/AgI photocatalysts: Impressive photocatalysts for removal of various contaminants. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 403, 112871.	3.9	22
57	Combining carbon dots and Ag6Si2O7 nanoparticles with TiO2: Visible-light-driven photocatalysts with efficient performance for removal of pollutants. Separation and Purification Technology, 2020, 248, 116928.	7.9	36
58	Carbon dots and Bi4O5Br2 adhered on TiO2 nanoparticles: Impressively boosted photocatalytic efficiency for removal of pollutants under visible light. Separation and Purification Technology, 2020, 250, 117179.	7.9	50
59	High corrosion protection performance of the LDH/Ni-P composite coating on AM60B magnesium alloy. Surface and Coatings Technology, 2020, 397, 125979.	4.8	44
60	Microwaveâ€assisted synthesis of the <scp>Fe₂O₃</scp>/<scp>gâ€C₃N₄</scp> nanocomposites with enhanced photocatalytic activity for degradation of methylene blue. Journal of the Chinese Chemical Society, 2020, 67, 2032-2041.	1.4	20
61	Integration of BiOI and Ag3PO4 nanoparticles onto oxygen vacancy rich-TiO2 for efficient visible-light photocatalytic decontaminations. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 400, 112659.	3.9	33
62	Activation of persulfate by novel TiO2/FeOCl photocatalyst under visible light: Facile synthesis and high photocatalytic performance. Separation and Purification Technology, 2020, 250, 117268.	7.9	85
63	Graphitic carbon nitride as a fascinating adsorbent for toxic gases: A mini-review. Chemical Physics Letters, 2020, 754, 137676.	2.6	27
64	Synergistic antidiabetic activity of ZnO nanoparticles encompassed by Urtica dioica extract. Advanced Powder Technology, 2020, 31, 2110-2118.	4.1	43
65	Efficiently enhanced nitrogen fixation performance of g-C3N4 nanosheets by decorating Ni3V2O8 nanoparticles under visible-light irradiation. Ceramics International, 2020, 46, 24472-24482.	4.8	30
66	Anchoring Bi4O5I2 and AgI nanoparticles over g-C3N4 nanosheets: Impressive visible-light-induced photocatalysts in elimination of hazardous contaminates by a cascade mechanism. Advanced Powder Technology, 2020, 31, 2618-2628.	4.1	36
67	Nanodiamond incorporated solâ^'gel coating for corrosion protection of magnesium alloy. Transactions of Nonferrous Metals Society of China, 2020, 30, 1535-1549.	4.2	28
68	ZnO/ZnBi2O4 nanocomposites with p-n heterojunction as durable visible-light-activated photocatalysts for efficient removal of organic pollutants. Journal of Alloys and Compounds, 2020, 826, 154229.	5.5	68
69	Biogenic integrated ZnO/Ag nanocomposite: Surface analysis and in vivo practices for the management of type 1 diabetes complications. Colloids and Surfaces B: Biointerfaces, 2020, 189, 110878.	5.0	8
70	Novel ZnO/CuBi2O4 heterostructures for persulfate-assisted photocatalytic degradation of dye contaminants under visible light. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 391, 112397.	3.9	79
71	Oxidized fullerene/sol-gel nanocomposite for corrosion protection of AM60B magnesium alloy. Surface and Coatings Technology, 2020, 385, 125400.	4.8	52
72	Synthesis of novel ternary g-C3N4/SiC/C-Dots photocatalysts and their visible-light-induced activities in removal of various contaminants. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 392, 112431.	3.9	43

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73	Adsorption behavior of H2S on Pâ€'doped, V/P, Nb/P, and Ta/Pâ€'codoped graphitic carbon nitride: A first-principles investigation. Materials Chemistry and Physics, 2020, 252, 123117.	4.0	6
74	Novel visible-light-driven photocatalyst of NiO/Cd/g-C3N4 for enhanced degradation of methylene blue. Arabian Journal of Chemistry, 2020, 13, 5810-5820.	4.9	22
75	Graphitic carbon nitride-based photocatalysts: Toward efficient organic transformation for value-added chemicals production. Molecular Catalysis, 2020, 488, 110902.	2.0	245
76	Novel gâ€C₃N₄ nanosheets/CDs/BiOCl photocatalysts with exceptional activity under visible light. Journal of the American Ceramic Society, 2019, 102, 1435-1453.	3.8	81
77	Fabrication of novel g-C3N4 nanosheet/carbon dots/Ag6Si2O7 nanocomposites with high stability and enhanced visible-light photocatalytic activity. Journal of the Taiwan Institute of Chemical Engineers, 2019, 103, 94-109.	5.3	68
78	Review on photocatalytic conversion of carbon dioxide to value-added compounds and renewable fuels by graphitic carbon nitride-based photocatalysts. Catalysis Reviews - Science and Engineering, 2019, 61, 595-628.	12.9	452
79	A novel ZrB2â€"C3N4 composite with improved mechanical properties. Ceramics International, 2019, 45, 21512-21519.	4.8	66
80	Sol-gel/MOF nanocomposite for effective protection of 2024 aluminum alloy against corrosion. Surface and Coatings Technology, 2019, 380, 125038.	4.8	61
81	Boosted visible-light photocatalytic performance of TiO2-x decorated by BiOI and AgBr nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112066.	3.9	41
82	Preparation of novel ternary TiO2 QDs/CDs/AgI nanocomposites with superior visible-light induced photocatalytic activity. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 385, 112070.	3.9	23
83	Online evaluation of electroless deposition rate by electrochemical noise method. Transactions of Nonferrous Metals Society of China, 2019, 29, 1753-1762.	4.2	5
84	A first-principles study on the interaction of CO molecules with VIII transition metals-embedded graphitic carbon nitride as an excellent candidate for CO sensor. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2472-2480.	2.1	14
85	Activation of persulfate ions by TiO2/carbon dots nanocomposite under visible light for photocatalytic degradations of organic contaminants. Journal of Materials Science: Materials in Electronics, 2019, 30, 12510-12522.	2.2	16
86	Enriched zinc oxide nanoparticles by Nasturtium officinale leaf extract: Joint ultrasound-microwave-facilitated synthesis, characterization, and implementation for diabetes control and bacterial inhibition. Ultrasonics Sonochemistry, 2019, 58, 104613.	8.2	47
87	BiOBr and AgBr co-modified ZnO photocatalyst: A novel nanocomposite with p-n-n heterojunctions for highly effective photocatalytic removal of organic contaminants. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 379, 11-23.	3.9	82
88	Fe, Ru, and Osâ€'embedded graphitic carbon nitride as a promising candidate for NO gas sensor: A first-principles investigation. Materials Chemistry and Physics, 2019, 231, 264-271.	4.0	24
89	Synthesis of magnetically recoverable visible-light-induced photocatalysts by combination of Fe3O4/ZnO with BiOI and polyaniline. Progress in Natural Science: Materials International, 2019, 29, 145-155.	4.4	31
90	ZnO/Ag/Ag₂WO₄ photo-electrodes with plasmonic behavior for enhanced photoelectrochemical water oxidation. RSC Advances, 2019, 9, 8271-8279.	3.6	28

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91	A facile ultrasonic-aided biosynthesis of ZnO nanoparticles using Vaccinium arctostaphylos L. leaf extract and its antidiabetic, antibacterial, and oxidative activity evaluation. Ultrasonics Sonochemistry, 2019, 55, 57-66.	8.2	55
92	nâ€“n ZnOâ€“Ag₂CrO₄ heterojunction photoelectrodes with enhanced visible-light photoelectrochemical properties. RSC Advances, 2019, 9, 7992-8001.	3.6	25
93	Oxygen-rich TiO2 decorated with C-Dots: Highly efficient visible-light-responsive photocatalysts in degradations of different contaminants. Advanced Powder Technology, 2019, 30, 1183-1196.	4.1	39
94	Fabrication of novel ZnO/BiOBr/C-Dots nanocomposites with considerable photocatalytic performances in removal of organic pollutants under visible light. Advanced Powder Technology, 2019, 30, 1197-1209.	4.1	69
95	Decoration of carbon dots over hydrogen peroxide treated graphitic carbon nitride: Exceptional photocatalytic performance in removal of different contaminants under visible light. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 374, 161-172.	3.9	113
96	Exceptional photocatalytic activity for g-C3N4 activated by H2O2 and integrated with Bi2S3 and Fe3O4 nanoparticles for removal of organic and inorganic pollutants. Advanced Powder Technology, 2019, 30, 524-537.	4.1	52
97	A comprehensive study on antidiabetic and antibacterial activities of ZnO nanoparticles biosynthesized using Silybum marianum L seed extract. Materials Science and Engineering C, 2019, 97, 397-405.	7.3	100
98	g-C3N4 nanosheets decorated with carbon dots and CdS nanoparticles: Novel nanocomposites with excellent nitrogen photofixation ability under simulated solar irradiation. Ceramics International, 2019, 45, 2542-2555.	4.8	95
99	Fabrication of TiO2/CoMoO4/PANI nanocomposites with enhanced photocatalytic performances for removal of organic and inorganic pollutants under visible light. Materials Chemistry and Physics, 2019, 224, 10-21.	4.0	63
100	Boosting visible-light photocatalytic performance of g-C3N4/Fe3O4 anchored with CoMoO4 nanoparticles: Novel magnetically recoverable photocatalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 368, 120-136.	3.9	143
101	Graphitic carbon nitride (g-C3N4/Fe3O4/BiOI)-carbon composite electrode as a highly sensitive and selective citric acid sensor: Three-component nanocomposite as a definitive factor for selectivity in catalysis. Sensors and Actuators B: Chemical, 2019, 279, 245-254.	7.8	30
102	Novel ternary g-C3N4/Ag3VO4/AgBr nanocomposites with excellent visible-light-driven photocatalytic performance for environmental applications. Solid State Sciences, 2018, 78, 133-143.	3.2	32
103	Deposition of CuWO 4 nanoparticles over g-C 3 N 4 /Fe 3 O 4 nanocomposite: Novel magnetic photocatalysts with drastically enhanced performance under visible-light. Advanced Powder Technology, 2018, 29, 1379-1392.	4.1	97
104	Ternary TiO2/Fe3O4/CoWO4 nanocomposites: Novel magnetic visible-light-driven photocatalysts with substantially enhanced activity through p-n heterojunction. Journal of Colloid and Interface Science, 2018, 524, 325-336.	9.4	114
105	Graphitic carbon nitride nanosheets coupled with carbon dots and BiOI nanoparticles: Boosting visible-light-driven photocatalytic activity. Journal of the Taiwan Institute of Chemical Engineers, 2018, 87, 98-111.	5.3	118
106	Electrochemical noise analysis to examine the corrosion behavior of Ni-P deposit on AM60B alloy plated by Zr pretreatment. Surface and Coatings Technology, 2018, 346, 29-39.	4.8	38
107	Review on the criteria anticipated for the fabrication of highly efficient ZnO-based visible-light-driven photocatalysts. Journal of Industrial and Engineering Chemistry, 2018, 62, 1-25.	5.8	697
108	Combination of Ag 2 CrO 4 and AgI semiconductors with g-C 3 N 4 : Novel nanocomposites with substantially improved photocatalytic performance under visible light. Solid State Sciences, 2018, 77, 62-73.	3.2	16

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109	Adsorption of HCN molecules on Ni, Pd and Pt-doped (7, 0) boron nitride nanotube: a DFT study. Molecular Physics, 2018, 116, 1320-1327.	1.7	11
110	Fabrication of novel ZnO/MnWO 4 nanocomposites with p - n heterojunction: Visible-light-induced photocatalysts with substantially improved activity and durability. Journal of Materials Science and Technology, 2018, 34, 1891-1901.	10.7	51
111	Decoration of carbon dots and AgCl over g-C3N4 nanosheets: Novel photocatalysts with substantially improved activity under visible light. Separation and Purification Technology, 2018, 199, 64-77.	7.9	126
112	Novel ternary g-C 3 N 4 /Fe 3 O 4 /MnWO 4 nanocomposites: Synthesis, characterization, and visible-light photocatalytic performance for environmental purposes. Journal of Materials Science and Technology, 2018, 34, 1638-1651.	10.7	80
113	Visible-light photosensitization of ZnO by Bi2MoO6 and AgBr: Role of tandem n-n heterojunctions in efficient charge transfer and photocatalytic performances. Materials Chemistry and Physics, 2018, 214, 107-119.	4.0	43
114	Decoration of Fe3O4 and CoWO4 nanoparticles over graphitic carbon nitride: Novel visible-light-responsive photocatalysts with exceptional photocatalytic performances. Materials Research Bulletin, 2018, 105, 159-171.	5.2	66
115	Facile Solvothermal Synthesis of Novel CuCo2S4/g-C3N4 Nanocomposites for Visible-Light Photocatalytic Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1276-1285.	3.7	21
116	Integration of NiWO4 and Fe3O4 with graphitic carbon nitride to fabricate novel magnetically recoverable visible-light-driven photocatalysts. Journal of Materials Science, 2018, 53, 9046-9063.	3.7	62
117	Enhanced anti-bacterial activities of ZnO nanoparticles and ZnO/CuO nanocomposites synthesized using Vaccinium arctostaphylos L. fruit extract. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1200-1209.	2.8	40
118	Bio-extract-mediated ZnO nanoparticles: microwave-assisted synthesis, characterization and antidiabetic activity evaluation. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 730-739.	2.8	73
119	A DFT study for adsorption of CO on Ni, Pd and Pt atoms doped (7, 0) boron nitride nanotube. Molecular Physics, 2018, 116, 204-211.	1.7	10
120	Magnetically recoverable highly efficient visible-light-active g-C3N4/Fe3O4/Ag2WO4/AgBr nanocomposites for photocatalytic degradations of environmental pollutants. Advanced Powder Technology, 2018, 29, 94-105.	4.1	111
121	Integration of Ag2WO4 and AgBr with TiO2 to fabricate ternary nanocomposites: Novel plasmonic photocatalysts with remarkable activity under visible light. Materials Research Bulletin, 2018, 99, 93-102.	5.2	68
122	ZnO/NiWO4/Ag2CrO4 nanocomposites with p-n-n heterojunctions: highly improved activity for degradations of water contaminants under visible light. Separation and Purification Technology, 2018, 193, 69-80.	7.9	90
123	Review on magnetically separable graphitic carbon nitride-based nanocomposites as promising visible-light-driven photocatalysts. Journal of Materials Science: Materials in Electronics, 2018, 29, 1719-1747.	2.2	462
124	Polyethylene glycol-doped BiZn₂VO₆as a high-efficiency solar-light-activated photocatalyst with substantial durability toward photodegradation of organic contaminations. RSC Advances, 2018, 8, 37480-37491.	3.6	6
125	Pretreatment-free Niâ^'P plating on magnesium alloy at low temperatures. Transactions of Nonferrous Metals Society of China, 2018, 28, 2478-2488.	4.2	24
126	Magnetically separable nanocomposites based on ZnO and their applications in photocatalytic processes: A review. Critical Reviews in Environmental Science and Technology, 2018, 48, 806-857.	12.8	464

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127	Electronic structure of ZnO(0001)/AgBr(111) heterojunction interface based on the TB-mBJ approximation. European Physical Journal B, 2018, 91, 1.	1.5	1
128	Facile fabrication of novel ZnO/CoMoO 4 nanocomposites: Highly efficient visible-light-responsive photocatalysts in degradations of different contaminants. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 363, 31-43.	3.9	89
129	Ni, Pd, and Pt-embedded graphitic carbon nitrides as excellent adsorbents for HCN removal: A DFT study. Applied Surface Science, 2018, 456, 882-889.	6.1	38
130	Green synthesis of ZnO and ZnO/CuO nanocomposites in Mentha longifolia leaf extract: characterization and their application as anti-bacterial agents. Journal of Materials Science: Materials in Electronics, 2018, 29, 13596-13605.	2.2	66
131	Electroless Ni-P/nano-WO3 coating and its mechanical and corrosion protection properties. Journal of Alloys and Compounds, 2018, 769, 149-160.	5.5	50
132	Graphitic carbon nitride nanosheets anchored with BiOBr and carbon dots: Exceptional visible-light-driven photocatalytic performances for oxidation and reduction reactions. Journal of Colloid and Interface Science, 2018, 530, 642-657.	9.4	65
133	Integration of carbon dots and polyaniline with TiO2 nanoparticles: Substantially enhanced photocatalytic activity to removal various pollutants under visible light. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 94-104.	3.9	76
134	One-pot hydrothermal synthesis of CuCo2S4/RGO nanocomposites for visible-light photocatalytic applications. Journal of Physics and Chemistry of Solids, 2018, 123, 242-253.	4.0	39
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