

Chiing-Chang Chen

List of Publications by Year in descending order

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74
papers

4,712
citations

70961

41
h-index

95083

68
g-index

75
all docs

75
docs citations

75
times ranked

3686
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of bismuth oxybromochloriodide/graphitic carbon nitride quaternary composites (BiOxCly/BiOmBrn/BiOplq/g-C3N4) enhances visible-light-driven photocatalytic activity. <i>Catalysis Communications</i> , 2022, 163, 106418.	1.6	39
2	Hydrothermal synthesis of BiOxBry/BiOmIn/GO composites with visible-light photocatalytic activity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 133, 104272.	2.7	24
3	Photoreduction of carbon dioxide and photodegradation of organic pollutants using alkali cobalt oxides MCoO ₂ (M = Li or Na) as catalysts. <i>Journal of Environmental Management</i> , 2022, 313, 114930.	3.8	22
4	Photocatalysts of quaternary composite, bismuth oxyfluoride/bismuth oxyiodide/ graphitic carbon nitride: Synthesis, characterization, and photocatalytic activity. <i>Molecular Catalysis</i> , 2022, 528, 112463.	1.0	10
5	Preparation of perovskite-like PbBiO ₂ I/g-C ₃ N ₄ exhibiting visible-light-driven activity. <i>Catalysis Today</i> , 2021, 375, 472-483.	2.2	22
6	Applications of M ₂ ZrO ₂ (M=Li, Na, K) composite as a catalyst for biodiesel production. <i>Fuel</i> , 2021, 286, 119392.	3.4	19
7	Eight crystalline phases of bismuth vanadate by controllable hydrothermal synthesis exhibiting visible-light-driven photocatalytic activity. <i>Molecular Catalysis</i> , 2021, 506, 111547.	1.0	10
8	Photocatalytic Degradation of Ethiofencarb by a Visible Light-Driven SnIn ₄ S ₈ Photocatalyst. <i>Nanomaterials</i> , 2021, 11, 1325.	1.9	16
9	Bi ₁₂ SiO ₂₀ /g-C ₃ N ₄ heterojunctions: Synthesis, characterization, photocatalytic activity for organic pollutant degradation, and mechanism. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 123, 228-244.	2.7	30
10	Visible-light-driven photocatalysis of carbon dioxide and organic pollutants by MFeO ₂ (M=Li, Na, or K). <i>Journal of Colloid and Interface Science</i> , 2021, 601, 758-772.	5.0	39
11	Controlled hydrothermal synthesis of BiOxCly/BiOmBrn/g-C ₃ N ₄ composites exhibiting visible-light photocatalytic activity. <i>Journal of Environmental Management</i> , 2021, 297, 113256.	3.8	43
12	One-pot synthesis of acid-base bifunctional catalysts for biodiesel production. <i>Journal of Environmental Management</i> , 2021, 299, 113592.	3.8	33
13	Lead bismuth oxybromide/graphene oxide: Synthesis, characterization, and photocatalytic activity for removal of carbon dioxide, crystal violet dye, and 2-hydroxybenzoic acid. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 112-124.	5.0	71
14	Visible-Light Driven Photocatalytic Degradation of Pirimicarb by Pt-Doped AgInS ₂ Nanoparticles. <i>Catalysts</i> , 2020, 10, 857.	1.6	25
15	Composite photocatalyst, tetragonal lead bismuth oxyiodide/bismuth oxyiodide/graphitic carbon nitride: Synthesis, characterization, and photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 319-332.	5.0	103
16	Accelerated ZnMoO ₄ photocatalytic degradation of pirimicarb under UV light mediated by peroxymonosulfate. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5113.	1.7	27
17	A theoretical study of the photoelectron spectra of dichloroethene with accurate computation of ionization energies via complete basis set limit extrapolation. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25866.	1.0	6
18	BiOxCly/BiOmBrn/BiOplq/GO quaternary composites: Syntheses and application of visible-light-driven photocatalytic activities. <i>Journal of Colloid and Interface Science</i> , 2019, 544, 25-36.	5.0	102

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19	Biodiesel Production Using Bauxite in Low-Cost Solid Base Catalyst Precursors. <i>Catalysts</i> , 2019, 9, 1064.	1.6	14
20	Rapid nano-scale surface modification on micro-arc oxidation coated titanium by microwave-assisted hydrothermal process. <i>Materials Science and Engineering C</i> , 2019, 95, 236-247.	3.8	15
21	Preparation of perovskites PbBiO ₂ /PbO exhibiting visible-light photocatalytic activity. <i>Catalysis Today</i> , 2018, 314, 28-41.	2.2	36
22	Controlled hydrothermal synthesis of bismuth oxychloride/bismuth oxybromide/bismuth oxyiodide composites exhibiting visible-light photocatalytic degradation of 2-hydroxybenzoic acid and crystal violet. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 322-336.	5.0	120
23	Novel synthesis of PbBiO ₂ Cl/BiOCl nanocomposite with enhanced visible-driven-light photocatalytic activity. <i>Catalysis Today</i> , 2018, 300, 112-123.	2.2	88
24	Synthesis and characterization of magnetic LiFe ₅ O ₈ -LiFeO ₂ as a solid basic catalyst for biodiesel production. <i>Catalysis Communications</i> , 2018, 106, 20-24.	1.6	67
25	Perovskite-like photocatalyst, PbBiO ₂ Br/PbO/g-C ₃ N ₄ : Synthesis, characterization, and visible-light-driven photocatalytic activity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 315-328.	2.7	37
26	BiOmFn/BiOxly/GO Nanocomposites: Synthesis, characterization, and photocatalytic activity. <i>Molecular Catalysis</i> , 2018, 455, 214-223.	1.0	42
27	Bismuth oxyfluoride/bismuth oxyiodide nanocomposites enhance visible-light-driven photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 375-386.	5.0	70
28	Silver vanadium oxide materials: Controlled synthesis by hydrothermal method and efficient photocatalytic degradation of atrazine and CV dye. <i>Separation and Purification Technology</i> , 2018, 206, 226-238.	3.9	42
29	Synthesis and characterization of Bi ₄ Si ₃ O ₁₂ , Bi ₂ SiO ₅ , and Bi ₁₂ SiO ₂₀ by controlled hydrothermal method and their photocatalytic activity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 78, 157-167.	2.7	66
30	A series of bismuth-oxychloride/bismuth-oxyiodide/graphene-oxide nanocomposites: Synthesis, characterization, and photocatalytic activity and mechanism. <i>Molecular Catalysis</i> , 2017, 432, 196-209.	1.0	103
31	Evaluating the optimum operating parameters of biodiesel production process from soybean oil using the Li ₂ TiO ₃ catalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 70, 260-266.	2.7	56
32	Blue light induced free radicals from riboflavin in degradation of crystal violet by microbial viability evaluation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 174, 355-363.	1.7	30
33	Novel synthesis of bismuth oxyiodide/graphitic carbon nitride nanocomposites with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 33478-33491.	1.7	122
34	Controlled hydrothermal synthesis of PbBiO ₂ Br/BiOBr heterojunction with enhanced visible-driven-light photocatalytic activities. <i>Journal of Molecular Catalysis A</i> , 2016, 417, 168-183.	4.8	103
35	A novel heterojunction photocatalyst, Bi ₂ SiO ₅ /g-C ₃ N ₄ : synthesis, characterization, photocatalytic activity, and mechanism. <i>RSC Advances</i> , 2016, 6, 40664-40675.	1.7	84
36	Photolysis and photocatalytic decomposition of sulfamethazine antibiotics in an aqueous solution with TiO ₂ . <i>RSC Advances</i> , 2016, 6, 69301-69310.	1.7	48

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37	A series of BiO _x /GO photocatalysts: synthesis, characterization, activity, and mechanism. RSC Advances, 2016, 6, 82743-82758.	1.7	100
38	Insights into the Photoelectron Spectroscopy of Chlorofluoroethenes Studied by Density-Functional and Coupled-Cluster Theories. Journal of Physical Chemistry A, 2016, 120, 1175-1183.	1.1	9
39	Synthesis of a SrFeO _{3-x} /g-C ₃ N ₄ heterojunction with improved visible-light photocatalytic activities in chloramphenicol and crystal violet degradation. RSC Advances, 2016, 6, 2323-2336.	1.7	99
40	Synthesis of bismuth oxyiodides and their composites: characterization, photocatalytic activity, and degradation mechanisms. RSC Advances, 2015, 5, 23450-23463.	1.7	176
41	Evaluating the optimum operating parameters on transesterification reaction for biodiesel production over a LiAlO ₂ catalyst. Chemical Engineering Journal, 2015, 280, 370-376.	6.6	108
42	Hydrothermal synthesis of bismuth oxybromide/bismuth oxyiodide composites with high visible light photocatalytic performance for the degradation of CV and phenol. RSC Advances, 2015, 5, 30851-30860.	1.7	147
43	Controlled hydrothermal synthesis of BiOxCl _y /BiO _m In composites exhibiting visible-light photocatalytic degradation of crystal violet. Journal of Hazardous Materials, 2015, 283, 787-805.	6.5	234
44	Transesterification of Soybean Oil to Biodiesel Catalyzed by Waste Silicone Solid Base Catalyst. Journal of the Chinese Chemical Society, 2014, 61, 803-808.	0.8	12
45	Efficient photocatalytic degradation of thiobencarb over BiVO ₄ driven by visible light: Parameter and reaction pathway investigations. Separation and Purification Technology, 2014, 122, 78-86.	3.9	42
46	Study of the microwave lipid extraction from microalgae for biodiesel production. Chemical Engineering Journal, 2014, 250, 267-273.	6.6	145
47	Hydrothermal synthesis of SrTiO ₃ nanocubes: Characterization, photocatalytic activities, and degradation pathway. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1927-1936.	2.7	114
48	Controlled hydrothermal synthesis of bismuth oxybromides and their photocatalytic properties. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1892-1909.	2.7	71
49	Synthesis, characterization, photocatalytic activity of visible-light-responsive photocatalysts BiOxCl _y /BiO _m Br _n by controlled hydrothermal method. Journal of Molecular Catalysis A, 2014, 391, 105-120.	4.8	141
50	Synthesis of BiOBr, Bi ₃ O ₄ Br, and Bi ₁₂ O ₁₇ Br ₂ by controlled hydrothermal method and their photocatalytic properties. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 2688-2697.	2.7	117
51	Photocatalytic degradation of bis(2-chloroethoxy)methane by a visible light-driven BiVO ₄ photocatalyst. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1015-1024.	2.7	23
52	Photocatalytic activity and mechanism of nano-cubic barium titanate prepared by a hydrothermal method. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 660-669.	2.7	89
53	Rice husk ash as a catalyst precursor for biodiesel production. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 622-629.	2.7	138
54	Photocatalytic Degradation of Acridine Orange over NaBiO ₃ Driven by Visible Light Irradiation. Catalysts, 2013, 3, 501-516.	1.6	24

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55	Synthesis and Photocatalytic Properties of Nano-crystalline In ₂ O ₃ . Journal of the Chinese Chemical Society, 2013, 60, 1415-1424.	0.8	8
56	Heterogeneous Photocatalytic Degradation of Disulfoton in Aqueous TiO ₂ Suspensions: Parameter and Reaction Pathway Investigations. Journal of the Chinese Chemical Society, 2013, 60, 380-390.	0.8	13
57	Transesterification of soybean oil to biodiesel using cement as a solid base catalyst. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 215-219.	2.7	46
58	Photodegradation of CV over nanocrystalline bismuth tungstate prepared by hydrothermal synthesis. Journal of Molecular Catalysis A, 2012, 361-362, 80-90.	4.8	66
59	Determining the degradation efficiency and mechanisms of ethyl violet using HPLC-PDA-ESI-MS and GC-MS. Chemistry Central Journal, 2012, 6, 63.	2.6	6
60	Production of biodiesel through transesterification of soybean oil using lithium orthosilicate solid catalyst. Fuel Processing Technology, 2012, 104, 167-173.	3.7	98
61	Transesterification of Soybean Oil Catalyzed by Calcium Hydroxide which Obtained from Hydrolysis Reaction of Calcium Carbide. Journal of the Chinese Chemical Society, 2012, 59, 170-175.	0.8	12
62	Thiobencarb Degradation by TiO ₂ Photocatalysis: Parameter and Reaction Pathway Investigations. Journal of the Chinese Chemical Society, 2012, 59, 87-97.	0.8	6
63	Decolorization characteristics and mechanism of Victoria Blue R removal by Acinetobacter calcoaceticus YC210. Journal of Hazardous Materials, 2011, 196, 166-172.	6.5	19
64	Degradation of crystal violet by an FeGAC/H ₂ O ₂ process. Journal of Hazardous Materials, 2011, 196, 420-425.	6.5	47
65	Synthesis, photocatalytic activities and degradation mechanism of Bi ₂ WO ₆ toward crystal violet dye. Catalysis Today, 2011, 174, 148-159.	2.2	100
66	Mechanistic pathways differences between P25-TiO ₂ and Pt-TiO ₂ mediated CV photodegradation. Journal of Hazardous Materials, 2011, 185, 227-235.	6.5	97
67	Titanium dioxide-mediated heterogeneous photocatalytic degradation of terbufos: Parameter study and reaction pathways. Journal of Hazardous Materials, 2009, 162, 945-953.	6.5	76
68	Degradation pathways of crystal violet by Fenton and Fenton-like systems: Condition optimization and intermediate separation and identification. Journal of Hazardous Materials, 2009, 171, 1032-1044.	6.5	171
69	Degradation Pathways and Efficiencies of Acid Blue 1 by Photocatalytic Reaction with ZnO Nanopowder. Journal of Physical Chemistry C, 2008, 112, 11962-11972.	1.5	87
70	Mechanistic Studies of the Photocatalytic Degradation of Methyl Green: An Investigation of Products of the Decomposition Processes. Environmental Science & Technology, 2007, 41, 4389-4396.	4.6	70
71	Biodegradation of crystal violet by Pseudomonas putida. Biotechnology Letters, 2007, 29, 391-396.	1.1	98
72	Arsenic Removal Using a Biopolymer Chitosan Sorbent. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 645-658.	0.9	81

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73	Photooxidative N-de-ethylation of anionic triarylmethane dye (sulfan blue) in titanium dioxide dispersions under UV irradiation. <i>Journal of Hazardous Materials</i> , 2006, 137, 1600-1607.	6.5	34
74	Ion and Adsorbing Colloid Flotation of Auramine. <i>Journal of the Chinese Chemical Society</i> , 2003, 50, 1009-1014.	0.8	3