

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	Controlled hydrothermal synthesis of BiOxCl _y /BiO _m In composites exhibiting visible-light photocatalytic degradation of crystal violet. <i>Journal of Hazardous Materials</i> , 2015, 283, 787-805.	6.5	234
2	Synthesis of bismuth oxyiodides and their composites: characterization, photocatalytic activity, and degradation mechanisms. <i>RSC Advances</i> , 2015, 5, 23450-23463.	1.7	176
3	Degradation pathways of crystal violet by Fenton and Fenton-like systems: Condition optimization and intermediate separation and identification. <i>Journal of Hazardous Materials</i> , 2009, 171, 1032-1044.	6.5	171
4	Hydrothermal synthesis of bismuth oxybromide/bismuth oxyiodide composites with high visible light photocatalytic performance for the degradation of CV and phenol. <i>RSC Advances</i> , 2015, 5, 30851-30860.	1.7	147
5	Study of the microwave lipid extraction from microalgae for biodiesel production. <i>Chemical Engineering Journal</i> , 2014, 250, 267-273.	6.6	145
6	Synthesis, characterization, photocatalytic activity of visible-light-responsive photocatalysts BiOxCl _y /BiO _m Br _n by controlled hydrothermal method. <i>Journal of Molecular Catalysis A</i> , 2014, 391, 105-120.	4.8	141
7	Rice husk ash as a catalyst precursor for biodiesel production. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 622-629.	2.7	138
8	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
9	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
10	Synthesis of BiOBr, Bi ₃ O ₄ Br, and Bi ₁₂ O ₁₇ Br ₂ by controlled hydrothermal method and their photocatalytic properties. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2688-2697.	2.7	117
11	Hydrothermal synthesis of SrTiO ₃ nanocubes: Characterization, photocatalytic activities, and degradation pathway. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1927-1936.	2.7	114
12	Evaluating the optimum operating parameters on transesterification reaction for biodiesel production over a LiAlO ₂ catalyst. <i>Chemical Engineering Journal</i> , 2015, 280, 370-376.	6.6	108
13	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
14	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
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	BiOxCl _y /BiO _m Br _n /BiO _p l _q /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
17	Synthesis, photocatalytic activities and degradation mechanism of Bi ₂ WO ₆ toward crystal violet dye. <i>Catalysis Today</i> , 2011, 174, 148-159.	2.2	100
18	A series of BiO _x /GO photocatalysts: synthesis, characterization, activity, and mechanism. <i>RSC Advances</i> , 2016, 6, 82743-82758.	1.7	100

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19	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
20	Biodegradation of crystal violet by Pseudomonas putida. Biotechnology Letters, 2007, 29, 391-396.	1.1	98
21	Production of biodiesel through transesterification of soybean oil using lithium orthosilicate solid catalyst. Fuel Processing Technology, 2012, 104, 167-173.	3.7	98
22	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
23	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
24	Novel synthesis of PbBiO ₂ Cl/BiOCl nanocomposite with enhanced visible-driven-light photocatalytic activity. Catalysis Today, 2018, 300, 112-123.	2.2	88
25	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
26	A novel heterojunction photocatalyst, Bi ₂ SiO ₅ /g-C ₃ N ₄ : synthesis, characterization, photocatalytic activity, and mechanism. RSC Advances, 2016, 6, 40664-40675.	1.7	84
27	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
28	Titanium dioxide-mediated heterogeneous photocatalytic degradation of terbufos: Parameter study and reaction pathways. Journal of Hazardous Materials, 2009, 162, 945-953.	6.5	76
29	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
30	Lead bismuth oxybromide/graphene oxide: Synthesis, characterization, and photocatalytic activity for removal of carbon dioxide, crystal violet dye, and 2-hydroxybenzoic acid. Journal of Colloid and Interface Science, 2020, 562, 112-124.	5.0	71
31	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
32	Bismuth oxyfluoride/bismuth oxyiodide nanocomposites enhance visible-light-driven photocatalytic activity. Journal of Colloid and Interface Science, 2018, 532, 375-386.	5.0	70
33	Synthesis and characterization of magnetic LiFe ₅ O ₈ -LiFeO ₂ as a solid basic catalyst for biodiesel production. Catalysis Communications, 2018, 106, 20-24.	1.6	67
34	Photodegradation of CV over nanocrystalline bismuth tungstate prepared by hydrothermal synthesis. Journal of Molecular Catalysis A, 2012, 361-362, 80-90.	4.8	66
35	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. Journal of the Taiwan Institute of Chemical Engineers, 2017, 78, 157-167.	2.7	66
36	Evaluating the optimum operating parameters of biodiesel production process from soybean oil using the Li ₂ TiO ₃ catalyst. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 260-266.	2.7	56

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37	Photolysis and photocatalytic decomposition of sulfamethazine antibiotics in an aqueous solution with TiO ₂ . RSC Advances, 2016, 6, 69301-69310.	1.7	48
38	Degradation of crystal violet by an FeGAC/H ₂ O ₂ process. Journal of Hazardous Materials, 2011, 196, 420-425.	6.5	47
39	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
40	Controlled hydrothermal synthesis of BiOxCl _y /BiO _m Br _n /g-C ₃ N ₄ composites exhibiting visible-light photocatalytic activity. Journal of Environmental Management, 2021, 297, 113256.	3.8	43
41	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
42	BiO _m F _n /BiO _x Cl _y /GO Nanocomposites: Synthesis, characterization, and photocatalytic activity. Molecular Catalysis, 2018, 455, 214-223.	1.0	42
43	Silver vanadium oxide materials: Controlled synthesis by hydrothermal method and efficient photocatalytic degradation of atrazine and CV dye. Separation and Purification Technology, 2018, 206, 226-238.	3.9	42
44	Visible-light-driven photocatalysis of carbon dioxide and organic pollutants by MFeO ₂ (M=Li, Na, or K). Journal of Colloid and Interface Science, 2021, 601, 758-772.	5.0	39
45	Synthesis of bismuth oxybromochloroiodide/graphitic carbon nitride quaternary composites (BiO _x Cl _y /BiO _m Br _n /BiO _p I _q /g-C ₃ N ₄) enhances visible-light-driven photocatalytic activity. Catalysis Communications, 2022, 163, 106418.	1.6	39
46	Perovskite-like photocatalyst, PbBiO ₂ Br/PbO/g-C ₃ N ₄ : Synthesis, characterization, and visible-light-driven photocatalytic activity. Journal of the Taiwan Institute of Chemical Engineers, 2018, 93, 315-328.	2.7	37
47	Preparation of perovskites PbBiO ₂ I/PbO exhibiting visible-light photocatalytic activity. Catalysis Today, 2018, 314, 28-41.	2.2	36
48	Photooxidative N-de-ethylation of anionic triarylmethane dye (sulfan blue) in titanium dioxide dispersions under UV irradiation. Journal of Hazardous Materials, 2006, 137, 1600-1607.	6.5	34
49	One-pot synthesis of acid-base bifunctional catalysts for biodiesel production. Journal of Environmental Management, 2021, 299, 113592.	3.8	33
50	Blue light induced free radicals from riboflavin in degradation of crystal violet by microbial viability evaluation. Journal of Photochemistry and Photobiology B: Biology, 2017, 174, 355-363.	1.7	30
51	Bi _{1.2} SiO ₂ O/g-C ₃ N ₄ heterojunctions: Synthesis, characterization, photocatalytic activity for organic pollutant degradation, and mechanism. Journal of the Taiwan Institute of Chemical Engineers, 2021, 123, 228-244.	2.7	30
52	Accelerated ZnMoO ₄ photocatalytic degradation of pirimicarb under UV light mediated by peroxymonosulfate. Applied Organometallic Chemistry, 2019, 33, e5113.	1.7	27
53	Visible-Light Driven Photocatalytic Degradation of Pirimicarb by Pt-Doped AgInS ₂ Nanoparticles. Catalysts, 2020, 10, 857.	1.6	25
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	Hydrothermal synthesis of BiOxBry/BiOIn/GO composites with visible-light photocatalytic activity. Journal of the Taiwan Institute of Chemical Engineers, 2022, 133, 104272.	2.7	24
56	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
57	Preparation of perovskite-like PbBiO ₂ /g-C ₃ N ₄ exhibiting visible-light-driven activity. Catalysis Today, 2021, 375, 472-483.	2.2	22
58	Photoreduction of carbon dioxide and photodegradation of organic pollutants using alkali cobalt oxides MCoO ₂ (M = Li or Na) as catalysts. Journal of Environmental Management, 2022, 313, 114930.	3.8	22
59	Decolorization characteristics and mechanism of Victoria Blue R removal by Acinetobacter calcoaceticus YC210. Journal of Hazardous Materials, 2011, 196, 166-172.	6.5	19
60	Applications of M ₂ ZrO ₂ (M=Li, Na, K) composite as a catalyst for biodiesel production. Fuel, 2021, 286, 119392.	3.4	19
61	Photocatalytic Degradation of Ethiofencarb by a Visible Light-Driven SnIn ₄ S ₈ Photocatalyst. Nanomaterials, 2021, 11, 1325.	1.9	16
62	Rapid nano-scale surface modification on micro-arc oxidation coated titanium by microwave-assisted hydrothermal process. Materials Science and Engineering C, 2019, 95, 236-247.	3.8	15
63	Biodiesel Production Using Bauxite in Low-Cost Solid Base Catalyst Precursors. Catalysts, 2019, 9, 1064.	1.6	14
64	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
65	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
66	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
67	Eight crystalline phases of bismuth vanadate by controllable hydrothermal synthesis exhibiting visible-light-driven photocatalytic activity. Molecular Catalysis, 2021, 506, 111547.	1.0	10
68	Photocatalysts of quaternary composite, bismuth oxyfluoride/bismuth oxyiodide/ graphitic carbon nitride: Synthesis, characterization, and photocatalytic activity. Molecular Catalysis, 2022, 528, 112463.	1.0	10
69	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
70	Synthesis and Photocatalytic Properties of Nano-crystalline In ₂ O ₃ . Journal of the Chinese Chemical Society, 2013, 60, 1415-1424.	0.8	8
71	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
72	Thiobencarb Degradation by TiO ₂ Photocatalysis: Parameter and Reaction Pathway Investigations. Journal of the Chinese Chemical Society, 2012, 59, 87-97.	0.8	6

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73	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
74	Ion and Adsorbing Colloid Flotation of Auramine. <i>Journal of the Chinese Chemical Society</i> , 2003, 50, 1009-1014.	0.8	3