

Wong Yee-Shian

List of Publications by Year in descending order

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78
papers

2,323
citations

257357

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233338

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78
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docs citations

78
times ranked

2263
citing authors

#	ARTICLE	IF	CITATIONS
1	Intermolecular degradation of aromatic compound and its derivatives via combined sequential and hybridized process. <i>Bioprocess and Biosystems Engineering</i> , 2023, 46, 359-371.	1.7	1
2	Photocatalytic Degradation of Sugarcane Vinasse Using ZnO Photocatalyst: Operating Parameters, Kinetic Studies, Phytotoxicity Assessments, and Reusability. <i>International Journal of Environmental Research</i> , 2022, 16, 3.	1.1	12
3	Kinetic model discrimination on the biogas production in thermophilic co-digestion of sugarcane vinasse and water hyacinth. <i>Environmental Science and Pollution Research</i> , 2022, 29, 61298-61306.	2.7	3
4	Effect of operating temperature in the anaerobic degradation of palm oil mill effluent: Process performance, microbial community, and biokinetic evaluation. <i>Chemical Papers</i> , 2022, 76, 5399-5410.	1.0	2
5	Haldane-Andrews substrate inhibition kinetics for pilot scale thermophilic anaerobic degradation of sugarcane vinasse. <i>Bioresource Technology</i> , 2021, 336, 125319.	4.8	14
6	The reaction of wastewater treatment and power generation of single chamber microbial fuel cell against substrate concentration and anode distributions. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 793-807.	1.4	15
7	Simultaneous heavy metal reduction and voltage generation with synergy membrane-less microbial fuel cell. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012067.	0.2	1
8	Up-flow constructed wetland-microbial fuel cell: Influence of floating plant, aeration and circuit connection on wastewater treatment performance and bioelectricity generation. <i>Journal of Water Process Engineering</i> , 2020, 36, 101371.	2.6	49
9	Revealing the influences of functional groups in azo dyes on the degradation efficiency and power output in solar photocatalytic fuel cell. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 769-777.	1.4	8
10	Constructed wetland-microbial fuel cell for azo dyes degradation and energy recovery: Influence of molecular structure, kinetics, mechanisms and degradation pathways. <i>Science of the Total Environment</i> , 2020, 720, 137370.	3.9	100
11	Enhancement of mass and charge transport in scaled-up microbial fuel cell by using innovative configuration of bioanode. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 8175-8184.	1.8	4
12	Performance of the hybrid growth sequencing batch reactor (HG-SBR) for biodegradation of phenol under various toxicity conditions. <i>Journal of Environmental Sciences</i> , 2019, 75, 64-72.	3.2	12
13	Degradation reaction of Diazo reactive black 5 dye with copper (II) sulfate catalyst in thermolysis treatment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7067-7075.	2.7	10
14	Biodegradation of Acid Orange 7 in a combined anaerobic-aerobic up-flow membrane-less microbial fuel cell: Mechanism of biodegradation and electron transfer. <i>Chemical Engineering Journal</i> , 2018, 336, 397-405.	6.6	59
15	Reactive Black 5 as electron donor and/or electron acceptor in dual chamber of solar photocatalytic fuel cell. <i>Chemosphere</i> , 2018, 202, 467-475.	4.2	16
16	Disclosing the synergistic mechanisms of azo dye degradation and bioelectricity generation in a microbial fuel cell. <i>Chemical Engineering Journal</i> , 2018, 344, 236-245.	6.6	64
17	Sustainable green technology on wastewater treatment: The evaluation of enhanced single chambered up-flow membrane-less microbial fuel cell. <i>Journal of Environmental Sciences</i> , 2018, 66, 295-300.	3.2	13
18	Role of dissolved oxygen on the degradation mechanism of Reactive Green 19 and electricity generation in photocatalytic fuel cell. <i>Chemosphere</i> , 2018, 194, 675-681.	4.2	37

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19	Enhancement of simultaneous batik wastewater treatment and electricity generation in photocatalytic fuel cell. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35164-35175.	2.7	18
20	Exploring the relationship between molecular structure of dyes and light sources for photodegradation and electricity generation in photocatalytic fuel cell. <i>Chemosphere</i> , 2018, 209, 935-943.	4.2	24
21	Development of simultaneous photo-biodegradation in the photocatalytic hybrid sequencing batch reactor (PHSBR) for mineralization of phenol. <i>Biochemical Engineering Journal</i> , 2018, 138, 131-140.	1.8	19
22	Up-flow constructed wetland-microbial fuel cell for azo dye, saline, nitrate remediation and bioelectricity generation: From waste to energy approach. <i>Bioresource Technology</i> , 2018, 266, 97-108.	4.8	67
23	Intermolecular mechanistic treatment of recalcitrant environmental pollutants: Azo, benzene, naphthalene and vinyl sulfone. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 76, 27-34.	2.7	5
24	Integrated photocatalytic and sequencing batch reactor (SBR) treatment system for degradation of phenol. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
25	Decolorization and mineralization of Amaranth dye using multiple zoned aerobic and anaerobic baffled constructed wetland. <i>International Journal of Phytoremediation</i> , 2017, 19, 725-731.	1.7	5
26	Microbial fuel cell operation using nitrate as terminal electron acceptor for simultaneous organic and nutrient removal. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 2435-2442.	1.8	14
27	Microbial fuel cell operation using monoazo and diazo dyes as terminal electron acceptor for simultaneous decolourisation and bioelectricity generation. <i>Journal of Hazardous Materials</i> , 2017, 325, 170-177.	6.5	67
28	Optimization of degradation of Reactive Black 5 (RB5) and electricity generation in solar photocatalytic fuel cell system. <i>Chemosphere</i> , 2017, 184, 112-119.	4.2	46
29	Comparative study on the biodegradation of mixed remazol dyes wastewater between integrated anaerobic/aerobic and aerobic sequencing batch reactors. <i>Rendiconti Lincei</i> , 2017, 28, 497-501.	1.0	11
30	Comparison the performance of carbon plate and Pt-loaded carbon in photocatalytic fuel cell (PFC) process. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	1
31	Hybrid system of photocatalytic fuel cell and Fenton process for electricity generation and degradation of Reactive Black 5. <i>Separation and Purification Technology</i> , 2017, 177, 135-141.	3.9	34
32	Influence of Amaranth dye concentration on the efficiency of hybrid system of photocatalytic fuel cell and Fenton process. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23331-23340.	2.7	19
33	Pilot scale single chamber up-flow membrane-less microbial fuel cell for wastewater treatment and electricity generation. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
34	Role of macrophyte and effect of supplementary aeration in up-flow constructed wetland-microbial fuel cell for simultaneous wastewater treatment and energy recovery. <i>Bioresource Technology</i> , 2017, 224, 265-275.	4.8	138
35	A highly efficient immobilized ZnO/Zn photoanode for degradation of azo dye Reactive Green 19 in a photocatalytic fuel cell. <i>Chemosphere</i> , 2017, 166, 118-125.	4.2	63
36	Bioelectricity Generation in Batch-Fed Up-Flow Membrane-Less Microbial Fuel Cell: Effect of Surface Morphology of Carbon Materials as Aqueous Biocathodes. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	7

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37	Influence of supporting electrolyte in electricity generation and degradation of organic pollutants in photocatalytic fuel cell. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16716-16721.	2.7	22
38	Enhanced electricity generation and degradation of the azo dye Reactive Green 19 in a photocatalytic fuel cell using ZnO/Zn as the photoanode. <i>Journal of Cleaner Production</i> , 2016, 127, 579-584.	4.6	66
39	Evaluation of biodegradation process: Comparative study between suspended and hybrid microorganism growth system in sequencing batch reactor (SBR) for removal of phenol. <i>Biochemical Engineering Journal</i> , 2016, 115, 14-22.	1.8	30
40	Comparative Study of Photocatalytic Fuel Cell for Degradation of Methylene Blue under Sunlight and Ultra-Violet Light Irradiation. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	11
41	Multiple aerobic and anaerobic baffled constructed wetlands for simultaneous nitrogen and organic compounds removal. <i>Desalination and Water Treatment</i> , 2016, 57, 29160-29167.	1.0	6
42	Catalytic thermolysis in treating Cibacron Blue in aqueous solution: Kinetics and degradation pathway. <i>Chemosphere</i> , 2016, 146, 503-510.	4.2	6
43	Long-term operation of double chambered microbial fuel cell for bio-electro denitrification. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 893-900.	1.7	23
44	Synergistic effect of up-flow constructed wetland and microbial fuel cell for simultaneous wastewater treatment and energy recovery. <i>Bioresource Technology</i> , 2016, 203, 190-197.	4.8	113
45	Photocatalytic activity of zinc oxide (ZnO) synthesized through different methods. <i>Desalination and Water Treatment</i> , 2016, 57, 12496-12507.	1.0	31
46	Effects of cationization hybridized biopolymer from <i>Bacillus subtilis</i> on flocculating properties. <i>Desalination and Water Treatment</i> , 2016, 57, 16086-16095.	1.0	3
47	Comparison between the photocatalytic degradation of single and binary azo dyes in TiO ₂ suspensions under solar light irradiation. <i>Journal of Water Reuse and Desalination</i> , 2015, 5, 579-591.	1.2	16
48	Evaluation on the molecular structure of azo dye in photocatalytic mineralization under solar light irradiation. <i>Desalination and Water Treatment</i> , 2015, 55, 2229-2236.	1.0	8
49	Comparison on biodegradation of anionic dye orange II and cationic dye methylene blue by immobilized microorganisms on spent granular activated carbon. <i>Desalination and Water Treatment</i> , 2015, 54, 557-561.	1.0	17
50	Simultaneous Wastewater Treatment and Power Generation with Innovative Design of an Upflow Membrane-Less Microbial Fuel Cell. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	24
51	Degradation of cationic and anionic dyes in coagulation-flocculation process using bi-functionalized silica hybrid with aluminum-ferric as auxiliary agent. <i>RSC Advances</i> , 2015, 5, 34206-34215.	1.7	122
52	Hybrid system up-flow constructed wetland integrated with microbial fuel cell for simultaneous wastewater treatment and electricity generation. <i>Bioresource Technology</i> , 2015, 186, 270-275.	4.8	196
53	A highly efficient single chambered up-flow membrane-less microbial fuel cell for treatment of azo dye Acid Orange 7-containing wastewater. <i>Bioresource Technology</i> , 2015, 197, 284-288.	4.8	75
54	Decolorization and Mineralization of Batik Wastewater through Solar Photocatalytic Process. <i>Sains Malaysiana</i> , 2015, 44, 607-612.	0.3	26

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55	Treatment of Textile Industry Wastewater Using Combined Process of Thermolysis and Coagulation-Flocculation: A Comparison between the Use of Magnesium Chloride Coagulant and Magnesium Chloride-Organic Hybrid Polymer as Coagulant. , 2015, , .		0
56	Effect of Tosyl Group on Dye Degradation Rate by Using Laterite Soil as Natural Coagulant-Flocculant. , 2015, , .		0
57	Suspended growth kinetic analysis on biogas generation from newly isolated anaerobic bacterial communities for palm oil mill effluent at mesophilic temperature. RSC Advances, 2014, 4, 64659-64667.	1.7	18
58	Coagulation-flocculation of azo dye Acid Orange 7 with green refined laterite soil. Chemical Engineering Journal, 2014, 246, 383-390.	6.6	145
59	Methane gas production from palm oil wastewaterâ€”An anaerobic methanogenic degradation process in continuous stirrer suspended closed anaerobic reactor. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 896-900.	2.7	18
60	Adsorption Behavior of Cationic and Anionic Dyes onto Acid Treated Coconut Coir. Separation Science and Technology, 2013, 48, 2125-2131.	1.3	17
61	Decolorization of methyl orange using upflow anaerobic sludge blanket (UASB) reactorâ€”An investigation of co-substrate and dye degradation kinetics. Desalination and Water Treatment, 2013, 51, 7621-7630.	1.0	11
62	Solar photocatalytic degradation of mono azo methyl orange and diazo reactive green 19 in single and binary dye solutions: adsorbability vs photodegradation rate. Environmental Science and Pollution Research, 2013, 20, 3405-3413.	2.7	32
63	Mineralization of Methyl Orange-containing wastewater by integrated anaerobic and aerobic processes using spent granular activated carbonâ€”biofilm under sequencing batch reactor operation. Desalination and Water Treatment, 2013, 51, 2813-2819.	1.0	5
64	Start-up Operation of Anaerobic Degradation Process for Palm Oil Mill Effluent in Anaerobic Bench Scale Reactor (ABSR). Procedia Environmental Sciences, 2013, 18, 442-450.	1.3	17
65	Anaerobic Acidogenesis Biodegradation of Palm Oil Mill Effluent Using Suspended Closed Anaerobic Bioreactor (SCABR) at Mesophilic Temperature. Procedia Environmental Sciences, 2013, 18, 433-441.	1.3	23
66	Comprehensive Review and Compilation of Treatment for Azo Dyes Using Microbial Fuel Cells. Water Environment Research, 2013, 85, 270-277.	1.3	12
67	Evaluation of integrated anaerobicâ€”aerobic biofilm reactor for degradation of azo dye methyl orange. Bioresource Technology, 2013, 143, 104-111.	4.8	60
68	Mineralization of diazo dye (Reactive Black 5) in wastewater using recirculated up-flow constructed wetland reactor. Desalination and Water Treatment, 2012, 46, 312-320.	1.0	6
69	Production of Bioflocculant by Staphylococcus cohnii ssp. from Palm Oil Mill Effluent (POME). Water, Air, and Soil Pollution, 2012, 223, 3775-3781.	1.1	25
70	Comparative Study on Photocatalytic Degradation of Mono Azo Dye Acid Orange 7 and Methyl Orange under Solar Light Irradiation. Water, Air, and Soil Pollution, 2012, 223, 5483-5493.	1.1	49
71	Photocatalytic mineralization of azo dye Acid Orange 7 under solar light irradiation. Desalination and Water Treatment, 2012, 48, 245-251.	1.0	13
72	Performance and Kinetic Study on Bioremediation of Diazo Dye (Reactive Black 5) in Wastewater Using Spent GACâ€”Biofilm Sequencing Batch Reactor. Water, Air, and Soil Pollution, 2012, 223, 1615-1623.	1.1	32

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73	Solar photocatalytic degradation of azo dye Reactive Black 5 in aqueous suspension of TiO ₂ . Journal of Water Reuse and Desalination, 2011, 1, 202-207.	1.2	6
74	Biological kinetics evaluation of anaerobic stabilization pond treatment of palm oil mill effluent. Bioresource Technology, 2009, 100, 4969-4975.	4.8	52
75	Degradation of phenol through solar-photocatalytic treatment by zinc oxide in aqueous solution. Desalination and Water Treatment, 0, , 1-8.	1.0	10
76	Theoretical development of biofilm in hybrid growth sequencing batch reactor (HG-SBR) for degradation of phenol. , 0, 107, 100-108.		4
77	Decolourization and mineralization of Acid Red 27 metabolites by using multiple zoned aerobic and anaerobic constructed wetland reactor. , 0, 160, 81-93.		6
78	Insights into modified sequencing batch reactor for the treatment of sugarcane vinasse: role of recirculation process. International Journal of Environmental Science and Technology, 0, , 1.	1.8	6