

Bor-Yann Chen

List of Publications by Year in descending order

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papers

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101543

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#	ARTICLE	IF	CITATIONS
1	Oxidation of bisphenol A by persulfate via Fe ₃ O ₄ -MnO ₂ nanoflower-like catalyst: Mechanism and efficiency. <i>Chemical Engineering Journal</i> , 2019, 357, 337-347.	12.7	161
2	Understanding decolorization characteristics of reactive azo dyes by <i>Pseudomonas luteola</i> : toxicity and kinetics. <i>Process Biochemistry</i> , 2002, 38, 437-446.	3.7	160
3	Understanding effects of chemical structure on azo dye decolorization characteristics by <i>Aeromonas hydrophila</i> . <i>Journal of Hazardous Materials</i> , 2009, 167, 995-1001.	12.4	143
4	Biosorption of Zn(II) and Cu(II) by the indigenous <i>Thiobacillus thiooxidans</i> . <i>Chemical Engineering Journal</i> , 2004, 97, 195-201.	12.7	135
5	Stimulation of bacterial decolorization of an azo dye by extracellular metabolites from <i>Escherichia coli</i> strain NO3. <i>Bioresource Technology</i> , 2004, 91, 243-248.	9.6	119
6	Assessment upon azo dye decolorization and bioelectricity generation by <i>Proteus hauseri</i> . <i>Bioresource Technology</i> , 2010, 101, 4737-4741.	9.6	113
7	Comparative study on reaction selectivity of azo dye decolorization by <i>Pseudomonas luteola</i> . <i>Journal of Hazardous Materials</i> , 2007, 141, 842-849.	12.4	112
8	Studies on biosorption of zinc(II) and copper(II) on <i>Desulfovibrio desulfuricans</i> . <i>International Biodeterioration and Biodegradation</i> , 2000, 46, 11-18.	3.9	94
9	Recovery of high-value metals from geothermal sites by biosorption and bioaccumulation. <i>Bioresource Technology</i> , 2014, 160, 182-190.	9.6	86
10	Comparative study on characteristics of azo dye decolorization by indigenous decolorizers. <i>Bioresource Technology</i> , 2010, 101, 2651-2656.	9.6	70
11	Deciphering highly resistant characteristics to different pHs of oxygen vacancy-rich Fe ₂ Co ₁ -LDH/PS system for bisphenol A degradation. <i>Chemical Engineering Journal</i> , 2020, 385, 123620.	12.7	68
12	Exploring effects of chemical structure on azo dye decolorization characteristics by <i>Pseudomonas luteola</i> . <i>Journal of Hazardous Materials</i> , 2008, 154, 703-710.	12.4	66
13	Deciphering the effect of salinity on the performance of submerged membrane bioreactor for aquaculture of bacterial community. <i>Desalination</i> , 2013, 316, 23-30.	8.2	64
14	Graphene/TiO ₂ /ZSM-5 composites synthesized by mixture design were used for photocatalytic degradation of oxytetracycline under visible light: Mechanism and biotoxicity. <i>Applied Surface Science</i> , 2016, 362, 329-334.	6.1	61
15	Toxicity assessment of aromatic amines to <i>Pseudomonas luteola</i> : Chemostat pulse technique and dose-response analysis. <i>Process Biochemistry</i> , 2006, 41, 1529-1538.	3.7	59
16	Deciphering acetaminophen electrical catalytic degradation using single-form S doped graphene/Pt/TiO ₂ . <i>Chemical Engineering Journal</i> , 2018, 343, 662-675.	12.7	59
17	Feasibility study of surface-modified carbon cloth electrodes using atmospheric pressure plasma jets for microbial fuel cells. <i>Journal of Power Sources</i> , 2016, 336, 99-106.	7.8	56
18	Immobilized cell fixed-bed bioreactor for wastewater decolorization. <i>Process Biochemistry</i> , 2005, 40, 3434-3440.	3.7	55

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19	Revealing interactive toxicity of aromatic amines to azo dye decolorizer <i>Aeromonas hydrophila</i> . <i>Journal of Hazardous Materials</i> , 2009, 166, 187-194.	12.4	54
20	Unveiling characteristics of dye-bearing microbial fuel cells for energy and materials recycling: Redox mediators. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15598-15605.	7.1	53
21	Synthesized TiO ₂ /ZSM-5 composites used for the photocatalytic degradation of azo dye: Intermediates, reaction pathway, mechanism and bio-toxicity. <i>Applied Surface Science</i> , 2016, 383, 300-309.	6.1	52
22	TOXICITY ASSESSMENT OF MONTMORILLONITE AS A DRUG CARRIER FOR PHARMACEUTICAL APPLICATIONS: YEAST AND RATS MODEL. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2005, 17, 72-78.	0.6	49
23	Dose-response assessment of metal toxicity upon indigenous <i>Thiobacillus thiooxidans</i> BC1. <i>Process Biochemistry</i> , 2004, 39, 737-748.	3.7	48
24	Influence of textile dye and decolorized metabolites on microbial fuel cell-assisted bioremediation. <i>Bioresource Technology</i> , 2016, 200, 1033-1038.	9.6	48
25	Revealing microbial mechanism associated with volatile fatty acids production in anaerobic acidogenesis of waste activated sludge enhanced by freezing/thawing pretreatment. <i>Bioresource Technology</i> , 2020, 302, 122869.	9.6	48
26	Understanding interactive characteristics of bioelectricity generation and reductive decolorization using <i>Proteus hauseri</i> . <i>Bioresource Technology</i> , 2011, 102, 1159-1165.	9.6	46
27	Fixed-bed biosorption of cadmium using immobilized <i>Scenedesmus obliquus</i> CNW-N cells on loofa (<i>Luffa cylindrica</i>) sponge. <i>Bioresource Technology</i> , 2014, 160, 175-181.	9.6	44
28	Feasibility study of simultaneous bioelectricity generation and dye decolorization using naturally occurring decolorizers. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2010, 41, 682-688.	5.3	42
29	Deciphering biostimulation strategy of using medicinal herbs and tea extracts for bioelectricity generation in microbial fuel cells. <i>Energy</i> , 2018, 161, 1042-1054.	8.8	42
30	Revealing azo-dye decolorization of indigenous <i>Aeromonas hydrophila</i> from fountain spring in Northeast Taiwan. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2008, 39, 495-501.	1.4	41
31	Pyrosequencing Reveals a Core Community of Anodic Bacterial Biofilms in Bioelectrochemical Systems from China. <i>Frontiers in Microbiology</i> , 2015, 6, 1410.	3.5	40
32	Exploring optimal supplement strategy of medicinal herbs and tea extracts for bioelectricity generation in microbial fuel cells. <i>Bioresource Technology</i> , 2018, 256, 95-101.	9.6	40
33	Understanding biotoxicity for reusability of municipal solid waste incinerator (MSWI) ash. <i>Journal of Hazardous Materials</i> , 2006, 138, 9-15.	12.4	38
34	Polyphenolic compounds as electron shuttles for sustainable energy utilization. <i>Biotechnology for Biofuels</i> , 2019, 12, 271.	6.2	38
35	Deciphering mediating characteristics of decolorized intermediates for reductive decolorization and bioelectricity generation. <i>Bioresource Technology</i> , 2013, 145, 321-325.	9.6	37
36	Exploring catalytic performance of boron-doped graphene electrode for electrochemical degradation of acetaminophen. <i>Applied Surface Science</i> , 2020, 508, 145111.	6.1	37

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37	Exploring bioaugmentation strategies for azo-dye decolorization using a mixed consortium of <i>Pseudomonas luteola</i> and <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2006, 41, 1574-1581.	3.7	36
38	Deciphering characteristics of bicyclic aromatics as mediators for reductive decolorization and bioelectricity generation. <i>Bioresource Technology</i> , 2014, 163, 280-286.	9.6	36
39	Deciphering simultaneous bioelectricity generation and reductive decolorization using mixed-culture microbial fuel cells in salty media. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 446-453.	5.3	35
40	Degradation and biotoxicity of azo dyes using indigenous bacteria-acclimated microbial fuel cells (MFCs). <i>Process Biochemistry</i> , 2021, 102, 59-71.	3.7	35
41	Deciphering Visible Light Photoreductive Conversion of CO ₂ to Formic Acid and Methanol Using Waste Prepared Material. <i>Environmental Science & Technology</i> , 2015, 49, 2405-2417.	10.0	31
42	Electron transport phenomena of electroactive bacteria in microbial fuel cells: a review of <i>Proteus hauseri</i> . <i>Bioresources and Bioprocessing</i> , 2017, 4, .	4.2	31
43	Optimal biostimulation strategy for phenol degradation with indigenous rhizobium <i>Ralstonia taiwanensis</i> . <i>Journal of Hazardous Materials</i> , 2007, 139, 232-237.	12.4	30
44	Phenol Degradation and Toxicity Assessment upon Biostimulation to an Indigenous Rhizobium <i>Ralstonia taiwanensis</i> . <i>Biotechnology Progress</i> , 2008, 21, 1085-1092.	2.6	30
45	Exploring decolorization and halotolerance characteristics by indigenous acclimatized bacteria: Chemical structure of azo dyes and dose-response assessment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 816-825.	5.3	30
46	Deciphering simultaneous bioelectricity generation and dye decolorization using <i>Proteus hauseri</i> . <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 502-507.	2.2	30
47	Assessment upon species evolution of mixed consortia for azo dye decolorization. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2007, 38, 259-266.	1.4	29
48	An assessment of the toxicity of metals to <i>Pseudomonas aeruginosa</i> PU21 (Rip64). <i>Bioresource Technology</i> , 2006, 97, 1880-1886.	9.6	28
49	Biotoxicity assessment on reusability of municipal solid waste incinerator (MSWI) ash. <i>Journal of Hazardous Materials</i> , 2006, 136, 741-746.	12.4	28
50	Exploring redox-mediating characteristics of textile dye-bearing microbial fuel cells: thionin and malachite green. <i>Bioresource Technology</i> , 2014, 169, 277-283.	9.6	28
51	Comparative assessment of azo dyes and nitroaromatic compounds reduction using indigenous dye-decolorizing bacteria. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 79, 134-140.	5.3	28
52	Sulfur doped-graphene for enhanced acetaminophen degradation via electro-catalytic activation: Efficiency and mechanism. <i>Science of the Total Environment</i> , 2020, 715, 136730.	8.0	28
53	Degradation of oxytetracycline using microporous and mesoporous photocatalyst composites: Uniform design to explore factors. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4453-4465.	6.7	27
54	Deciphering electron-shuttling characteristics of thionine-based textile dyes in microbial fuel cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 51, 63-70.	5.3	25

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55	Deciphering effects of functional groups and electron density on azo dyes degradation by graphene loaded TiO ₂ . <i>Applied Surface Science</i> , 2015, 357, 1064-1071.	6.1	24
56	Surface modification of carbon cloth anodes for microbial fuel cells using atmospheric-pressure plasma jet processed reduced graphene oxides. <i>RSC Advances</i> , 2017, 7, 56433-56439.	3.6	24
57	Deciphering effects of chemical structure on azo dye decolorization/degradation characteristics: Bacterial vs. photocatalytic method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 760-766.	5.3	23
58	Deciphering synergistic characteristics of microbial fuel cell-assisted dye decolorization. <i>Bioresource Technology</i> , 2015, 196, 746-751.	9.6	23
59	Unraveling interactive characteristics of microbial community associated with bioelectric energy production in sludge fermentation fluid-fed microbial fuel cells. <i>Bioresource Technology</i> , 2019, 289, 121652.	9.6	23
60	Novel inspection of sugar residue and origin in honey based on the ¹³ C/ ¹² C isotopic ratio and protein content. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 175-183.	1.9	23
61	Exploring new strains of dye-decolorizing bacteria. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 508-514.	2.2	22
62	Metabolite analysis on reductive biodegradation of reactive green 19 in <i>Enterobacter cancerogenus</i> bearing microbial fuel cell (MFC) and non-MFC cultures. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 436-443.	5.3	22
63	Exploring threshold operation criteria of biostimulation for azo dye decolorization using immobilized cell systems. <i>Bioresource Technology</i> , 2009, 100, 5763-5770.	9.6	21
64	Exploring power generation of single-chamber microbial fuel cell using mixed and pure cultures. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2010, 41, 606-611.	5.3	21
65	Feasibility study on biostimulation of electron transfer characteristics by edible herbs-extracts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 79, 125-133.	5.3	21
66	Copper ion-stimulated McoA-laccase production and enzyme characterization in <i>Proteus hauseri</i> ZM44. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 388-393.	2.2	20
67	Exploring the inhibitory characteristics of acid hydrolysates upon butanol fermentation: A toxicological assessment. <i>Bioresource Technology</i> , 2015, 198, 571-576.	9.6	20
68	A facile synthesis of Ag/Ag ₂ O@TiO ₂ for toluene degradation under UV-visible light: Effect of Ag formation by partial reduction of Ag ₂ O on photocatalyst stability. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 150, 109799.	4.0	20
69	Cost-effective biostimulation strategy for wastewater decolorization using immobilized-cell systems. <i>Bioresource Technology</i> , 2009, 100, 2975-2981.	9.6	19
70	Synthesis of pore-expanded mesoporous materials using waste quartz sand and the adsorption effects of methylene blue. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3667-3671.	5.8	19
71	Oxidation of benzalkonium chloride in aqueous solution by S ₂ O ₈ ²⁻ /Fe ²⁺ process: Degradation pathway, and toxicity evaluation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 78, 230-239.	5.3	19
72	Removal of Cr(VI) using polyacrylonitrile/ferrous chloride composite nanofibers. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 70, 401-410.	5.3	19

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73	Performance assessment of the combined treatment for oxytetracycline antibiotics removal by sonocatalysis and degradation using <i>Pseudomonas aeruginosa</i> . <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103215.	6.7	19
74	Comparative assessment upon dye removal capability of indigenous bacterial strains from Lanyang Plain in northeast Taiwan. <i>Journal of Hazardous Materials</i> , 2009, 161, 526-533.	12.4	18
75	Deciphering butanol inhibition to Clostridial species in acclimatized sludge for improving biobutanol production. <i>Biochemical Engineering Journal</i> , 2012, 69, 100-105.	3.6	18
76	Exploring characteristics of bioelectricity generation and dye decolorization of mixed and pure bacterial cultures from wine-bearing wastewater treatment. <i>Biodegradation</i> , 2011, 22, 321-333.	3.0	17
77	Deciphering azo dye decolorization characteristics by indigenous <i>Proteus hauseri</i> : Chemical structure. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 327-333.	5.3	17
78	Interactive influences of decolorized metabolites on electron-transfer characteristics of microbial fuel cells. <i>Biochemical Engineering Journal</i> , 2016, 109, 297-304.	3.6	17
79	Deciphering electron-shuttling characteristics of epinephrine and dopamine for bioenergy extraction using microbial fuel cells. <i>Biochemical Engineering Journal</i> , 2019, 148, 57-64.	3.6	17
80	Feasibility study on biostimulation of dye decolorization and bioelectricity generation by using decolorized metabolites of edible flora-extracts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 79, 141-150.	5.3	16
81	Exploring the glyphosate-degrading characteristics of a newly isolated, highly adapted indigenous bacterial strain, <i>Providencia rettgeri</i> GDB 1. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 80-87.	2.2	16
82	Revealing characteristics of mixed consortia for azo dye decolorization: Lotka-Volterra model and game theory. <i>Journal of Hazardous Materials</i> , 2007, 149, 508-514.	12.4	15
83	Bacterial Species Diversity and Dye Decolorization of a Two-Species Mixed Consortium. <i>Environmental Engineering Science</i> , 2003, 20, 337-345.	1.6	14
84	UNDERSTANDING THE CHARACTERISTICS OF L-ASCORBIC ACID-MONTMORILLONITE NANOCOMPOSITE: CHEMICAL STRUCTURE AND BIOTOXICITY. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2006, 18, 30-36.	0.6	14
85	Dose-mortality assessment on municipal solid waste incinerator (MSWI) ash. <i>Journal of Hazardous Materials</i> , 2007, 139, 19-24.	12.4	14
86	Revealing threshold criteria of biostimulation for dye-laden wastewater treatment using immobilized cell systems. <i>Process Biochemistry</i> , 2007, 42, 158-166.	3.7	14
87	Preparation of Polyacrylonitrile/Ferrous Chloride Composite Nanofibers by Electrospinning for Efficient Reduction of Cr(VI). <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 5823-5832.	0.9	14
88	Revealing Pesticide Residues Under High Pesticide Stress in Taiwan's Agricultural Environment Probed by Fresh Honey Bee (<i>Hymenoptera: Apidae</i>) Pollen. <i>Journal of Economic Entomology</i> , 2017, 110, 1947-1958.	1.8	14
89	Deciphering optimal biostimulation strategy of supplementing anthocyanin-abundant plant extracts for bioelectricity extraction in microbial fuel cells. <i>Biotechnology for Biofuels</i> , 2019, 12, 46.	6.2	14
90	Reaction mechanism of N-(4-hydroxyphenyl)ethanamide electrodegradation via phosphorus-graphene prepared from triphenylphosphine: Generation and destruction of the reactive species. <i>Chemical Engineering Journal</i> , 2021, 403, 126322.	12.7	14

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91	Exploring metal effects and synergistic interactions of ferric stimulation on azo-dye decolorization by new indigenous <i>Acinetobacter guillouiae</i> Ax-9 and <i>Rahnella aquatilis</i> DX2b. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 217-224.	3.4	13
92	Cost-Effective Surface Modification of Carbon Cloth Electrodes for Microbial Fuel Cells by Candle Soot Coating. <i>Coatings</i> , 2018, 8, 468.	2.6	13
93	Deciphering electron-shuttling characteristics of microalgal metabolites upon bioelectricity-generating community in microbial fuel cells. <i>Biochemical Engineering Journal</i> , 2019, 144, 148-156.	3.6	13
94	Deciphering Electron Shuttles for Bioremediation and Beyond. <i>American Journal of Chemical Engineering</i> , 2016, 4, 114.	0.3	13
95	Synergistic deciphering of bioenergy production and electron transport characteristics to screen traditional Chinese medicine (TCM) for COVID-19 drug development. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 135, 104365.	5.3	13
96	Feasibility study of exponential feeding strategy in fed-batch cultures for phenol degradation using <i>Cupriavidus taiwanensis</i> . <i>Biochemical Engineering Journal</i> , 2008, 41, 175-180.	3.6	12
97	Feasibility study on polyhydroxybutyrate production of dye-decolorizing bacteria using dye and amine-bearing cultures. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 241-245.	5.3	12
98	Exploring two-stage fermentation strategy of polyhydroxyalkanoate production using <i>Aeromonas hydrophila</i> . <i>Biochemical Engineering Journal</i> , 2013, 78, 80-84.	3.6	12
99	Experimental and artificial intelligence for determination of stable criteria in cyclic voltammetric process of medicinal herbs for biofuel cells. <i>International Journal of Energy Research</i> , 2019, 43, 5983-5991.	4.5	12
100	Deciphering Electron-Shuttling Characteristics of Neurotransmitters to Stimulate Bioelectricity-Generating Capabilities in Microbial Fuel Cells. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 59-73.	2.9	12
101	Use of active consortia of constructed ternary bacterial cultures via mixture design for azo-dye decolorization enhancement. <i>Journal of Hazardous Materials</i> , 2007, 145, 404-409.	12.4	11
102	Feasibility study of polyhydroxyalkanoate production for materials recycling using naturally occurring pollutant degraders. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 455-458.	5.3	11
103	Copper Response of <i>Proteus hauseri</i> Based on Proteomic and Genetic Expression and Cell Morphology Analyses. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1057-1072.	2.9	11
104	Exploring community evolutionary characteristics of microbial populations with supplementation of <i>Camellia</i> green tea extracts in microbial fuel cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 113, 214-222.	5.3	11
105	Deciphering Electron-Shuttling Characteristics of Parkinson's Disease Medicines via Bioenergy Extraction in Microbial Fuel Cells. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17124-17136.	3.7	11
106	Biodegradation of anthraquinone dyes: Interactive assessment upon biodecolorization, biosorption and biotoxicity using dual-chamber microbial fuel cells (MFCs). <i>Process Biochemistry</i> , 2021, 101, 111-127.	3.7	11
107	Proteomics approach to decipher novel genes and enzymes characterization of a bioelectricity-generating and dye-decolorizing bacterium <i>Proteus hauseri</i> ZMd44. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 8-17.	2.6	10
108	Deciphering Acetaminophen Degradation Using Novel Microporous Beads Reactor Activate Persulfate Process with Minimum Iron Leachate for Sustainable Treatment. <i>Catalysis Letters</i> , 2018, 148, 2095-2108.	2.6	10

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109	Deciphering electrochemically promising electron-shuttling characteristics of hydrolysable tannin-abundant <i>Galla chinensis</i> for bioenergy generation in microbial fuel cells. <i>Biochemical Engineering Journal</i> , 2019, 151, 107318.	3.6	10
110	Exploring Kinetics of Phenol Biodegradation by <i>Cupriavidus taiwanensis</i> 187. <i>International Journal of Molecular Sciences</i> , 2010, 11, 5065-5076.	4.1	9
111	A novel method for determination of a time period for stabilization of power generation of microbial fuel cell with effect of microorganisms. <i>International Journal of Energy Research</i> , 2019, 43, 5834-5840.	4.5	9
112	Exploring biostimulation of plant hormones and nitrate supplement to effectively enhance biomass growth and lutein production with thermo-tolerant <i>Desmodesmus</i> sp. F51. <i>Bioresource Technology</i> , 2019, 291, 121883.	9.6	9
113	Deciphering electron-shuttling characteristics of <i>Scutellaria baicalensis</i> Georgi and ingredients for bioelectricity generation in microbial fuel cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 361-373.	5.3	9
114	Impedance fingerprint selection of DHA-producing photoautotrophic microalgae. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 57, 36-41.	5.3	8
115	Developing sustainable graphene-doped titanium nano tube coated to superparamagnetic nanoparticles for arsenic recovery. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 70, 311-318.	5.3	8
116	Kinetics of bisphenol a degradation by advanced oxidation processes: Asymptotic approximation of singular perturbation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 109, 90-96.	5.3	8
117	Near-visible-light-driven noble metal-free of reduced graphene oxide nanosheets over CeO ₂ nanowires for hydrogen production. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 107, 139-151.	5.3	8
118	Voltammetric Detection of Aqueous Glyphosate on a Copper and Poly(Pyrrole)-electromodified Activated Carbon Fiber. <i>Electroanalysis</i> , 2021, 33, 916-924.	2.9	8
119	Revealing phenol tolerance of indigenous phenol degraders isolated from Northeast Taiwan. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2010, 41, 636-643.	5.3	7
120	Unveiling optimal modes of operation for microbial fuel cell-aided dye bioremediation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 362-369.	5.3	7
121	Toxicity assessment of three-component Fe-Cr-Ni biomedical materials using an augmented simplex design. <i>Materials Science and Engineering C</i> , 2012, 32, 1893-1896.	7.3	6
122	Electrolyte-free electro-oxidation of aqueous glyphosate: CuPc-ACF electrode and optimization of operating parameters. <i>Chemical Engineering Research and Design</i> , 2020, 142, 260-271.	5.6	6
123	Unraveling characteristics of nutrient removal and microbial community in a novel aerated landscape - Activated sludge ecological system. <i>Bioresource Technology</i> , 2016, 212, 280-288.	9.6	5
124	Feasibility study of reduction of nitroaromatic compounds using indigenous azo dye-decolorizers. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 64, 180-188.	5.3	5
125	Synergic efficacy of bioenergy expression for compound herbal medicine of Parkinson's disease: The methods of replacement series and concentration addition. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 137, 104208.	5.3	5
126	Characterization of <i>Aeromonas hydrophila</i> and <i>Acinetobacter</i> strains isolated from Northeast Taiwan for degradation of aromatic compounds. <i>Journal of Biotechnology</i> , 2008, 136, S700.	3.8	4

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127	Preliminary screening via dose-response analysis of the antibacterial activities of six Chinese medicinal plant extracts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2010, 41, 579-584.	5.3	4
128	Optimal stimulation of <i>Houttuynia cordata</i> herbal extract as electron shuttle for bioenergy extraction in microbial fuel cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 114, 47-56.	5.3	4
129	Dose-mortality assessment upon reuse and recycling of industrial sludge. <i>Journal of Hazardous Materials</i> , 2007, 148, 326-333.	12.4	3
130	Feasibility study of using montmorillonite for stability enhancement of l-ascorbic acid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2008, 39, 219-226.	1.4	3
131	Deciphering cost-effective biostimulation for dye-laden wastewater treatment using immobilized cell system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 334-340.	5.3	3
132	Dose-mortality assessment upon toxicity potency of CFBC fly ash to <i>Escherichia coli</i> . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 47, 2-5.	5.3	3
133	Insights into copper effect on <i>Proteus hauseri</i> through proteomic and metabolic analyses. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 178-185.	2.2	3
134	Deciphering synergistic characteristics of redox mediators-stimulated echinenone production of <i>Gordonia terrae</i> TWIH01. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 322-329.	2.2	3
135	Deciphering interactive synergy of electron-transfer characteristics for optimal microbial fuel cell-steered dye decolorization. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 129, 80-80.	5.3	3
136	Kinetic theory of biostimulation for azo dye decolorization using immobilized cell system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 399-408.	5.3	2
137	Comparative isocline analysis upon microbial decolorization in immobilized cell bioreactor using biocarriers. <i>Bioresource Technology</i> , 2013, 145, 313-320.	9.6	2
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