

Jonathan Woon Chung Wong

List of Publications by Year in descending order

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103
papers

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104
times ranked

5075
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of bioflocculant from <i>Klebsiella pneumoniae</i> : evaluation of fish waste extract as substrate and flocculation performance. Environmental Technology (United Kingdom), 2023, 44, 4046-4059.	1.2	3
2	Effect of biochar combined with a biotrickling filter on deodorization, nitrogen retention, and microbial community succession during chicken manure composting. Bioresource Technology, 2022, 343, 126137.	4.8	40
3	Production of biosurfactants from agro-industrial waste and waste cooking oil in a circular bioeconomy: An overview. Bioresource Technology, 2022, 343, 126059.	4.8	82
4	Two-phase anaerobic digestion of food waste: Effect of semi-continuous feeding on acidogenesis and methane production. Bioresource Technology, 2022, 346, 126396.	4.8	20
5	Evaluations of biochar amendment on anaerobic co-digestion of pig manure and sewage sludge: waste-to-methane conversion, microbial community, and antibiotic resistance genes. Bioresource Technology, 2022, 346, 126400.	4.8	15
6	Bioconversion of organic wastes into value-added products: A review. Bioresource Technology, 2022, 344, 126398.	4.8	55
7	Trends in mitigation of industrial waste: Global health hazards, environmental implications and waste derived economy for environmental sustainability. Science of the Total Environment, 2022, 811, 152357.	3.9	60
8	Sustainable utilization of food waste for bioenergy production: A step towards circular bioeconomy. International Journal of Food Microbiology, 2022, 365, 109538.	2.1	49
9	Assessing simultaneous immobilization of lead and improvement of phosphorus availability through application of phosphorus-rich biochar in a contaminated soil: A pot experiment. Chemosphere, 2022, 296, 133891.	4.2	17
10	Microbiological insights into anaerobic digestion for biogas, hydrogen or volatile fatty acids (VFAs): a review. Bioengineered, 2022, 13, 6521-6557.	1.4	107
11	Microbial electrolysis: a promising approach for treatment and resource recovery from industrial wastewater. Bioengineered, 2022, 13, 8115-8134.	1.4	23
12	Mechanisms of indoor mold survival under moisture dynamics, a special water treatment approach within the indoor context. Chemosphere, 2022, 302, 134748.	4.2	4
13	Temperature versus Relative Humidity: Which Is More Important for Indoor Mold Prevention?. Journal of Fungi (Basel, Switzerland), 2022, 8, 696.	1.5	5
14	Bio-based rhamnolipids production and recovery from waste streams: Status and perspectives. Bioresource Technology, 2021, 319, 124213.	4.8	52
15	Food waste valorization: Energy production using novel integrated systems. Bioresource Technology, 2021, 322, 124538.	4.8	36
16	Iron-modified biochar and water management regime-induced changes in plant growth, enzyme activities, and phytoavailability of arsenic, cadmium and lead in a paddy soil. Journal of Hazardous Materials, 2021, 407, 124344.	6.5	150
17	Food Waste Digestate-Based Biorefinery Approach for Rhamnolipids Production: A Techno-Economic Analysis. Sustainable Chemistry, 2021, 2, 237-253.	2.2	12
18	Sustainable processing of food waste for production of bio-based products for circular bioeconomy. Bioresource Technology, 2021, 325, 124684.	4.8	166

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19	A Review of the Use of Carbon Nanotubes and Graphene-Based Sensors for the Detection of Aflatoxin M1 Compounds in Milk. <i>Sensors</i> , 2021, 21, 3602.	2.1	17
20	A critical review on various feedstocks as sustainable substrates for biosurfactants production: a way towards cleaner production. <i>Microbial Cell Factories</i> , 2021, 20, 120.	1.9	124
21	Biocatalytic remediation of industrial pollutants for environmental sustainability: Research needs and opportunities. <i>Chemosphere</i> , 2021, 272, 129936.	4.2	55
22	Biochar porosity: a nature-based dependent parameter to deliver microorganisms to soils for land restoration. <i>Environmental Science and Pollution Research</i> , 2021, 28, 46894-46909.	2.7	15
23	Food waste and sewage sludge co-digestion amended with different biochars: VFA kinetics, methane yield and digestate quality assessment. <i>Journal of Environmental Management</i> , 2021, 290, 112457.	3.8	36
24	A review on nitrogen dynamics and mitigation strategies of food waste digestate composting. <i>Bioresource Technology</i> , 2021, 334, 125032.	4.8	106
25	Optimization of water replacement during leachate recirculation for two-phase food waste anaerobic digestion system with off-gas diversion. <i>Bioresource Technology</i> , 2021, 335, 125234.	4.8	21
26	Promoting anaerobic co-digestion of sewage sludge and food waste with different types of conductive materials: Performance, stability, and underlying mechanism. <i>Bioresource Technology</i> , 2021, 337, 125384.	4.8	59
27	Anaerobic digestion beyond biogas. <i>Bioresource Technology</i> , 2021, 337, 125378.	4.8	33
28	A review on integrated approaches for municipal solid waste for environmental and economical relevance: Monitoring tools, technologies, and strategic innovations. <i>Bioresource Technology</i> , 2021, 342, 125982.	4.8	68
29	Biodegradation kinetics of ammonium enriched food waste digestate compost with biochar amendment. <i>Bioresource Technology</i> , 2021, 341, 125871.	4.8	46
30	Food waste digestate composting: Feedstock optimization with sawdust and mature compost. <i>Bioresource Technology</i> , 2021, 341, 125759.	4.8	81
31	Recovery of resources from industrial wastewater employing electrochemical technologies: status, advancements and perspectives. <i>Bioengineered</i> , 2021, 12, 4697-4718.	1.4	43
32	The role of oxidative stress in the growth of the indoor mold <i>Cladosporium cladosporioides</i> under water dynamics. <i>Indoor Air</i> , 2020, 30, 117-125.	2.0	8
33	Food waste leachate treatment using an Upflow Anaerobic Sludge Bed (UASB): Effect of conductive material dosage under low and high organic loads. <i>Bioresource Technology</i> , 2020, 304, 122738.	4.8	55
34	Bio-hydrogen and methane production from two-phase anaerobic digestion of food waste under the scheme of acidogenic off-gas reuse. <i>Bioresource Technology</i> , 2020, 297, 122400.	4.8	36
35	Odor emission and microbial community succession during biogas residue composting covered with a molecular membrane. <i>Bioresource Technology</i> , 2020, 297, 122518.	4.8	93
36	Enhancing the Performance and Stability of the Co-anaerobic Digestion of Municipal Sludge and Food Waste by Granular Activated Carbon Dosing. <i>Energy & Fuels</i> , 2020, 34, 16284-16293.	2.5	15

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37	Value Addition of Anaerobic Digestate From Biowaste: Thinking Beyond Agriculture. <i>Current Sustainable/Renewable Energy Reports</i> , 2020, 7, 48-55.	1.2	17
38	Optimizing extraction procedures for better removal of potentially toxic elements during EDTA-assisted soil washing. <i>Journal of Soils and Sediments</i> , 2020, 20, 3417-3426.	1.5	12
39	Current challenges for shaping the sustainable and mold-free hygienic indoor environment in humid regions. <i>Letters in Applied Microbiology</i> , 2020, 70, 396-406.	1.0	6
40	Enhanced volatile fatty acid degradation and methane production efficiency by biochar addition in food waste-sludge co-digestion: A step towards increased organic loading efficiency in co-digestion. <i>Bioresource Technology</i> , 2020, 308, 123250.	4.8	81
41	IoT-Based Laser-Inscribed Sensors for Detection of Sulfate in Water Bodies. <i>IEEE Access</i> , 2020, 8, 228879-228890.	2.6	12
42	A critical review: emerging bioeconomy and waste-to-energy technologies for sustainable municipal solid waste management. <i>Waste Disposal & Sustainable Energy</i> , 2019, 1, 151-167.	1.1	118
43	Crucifera sulforaphane (SFN) inhibits the growth of nasopharyngeal carcinoma through DNA methyltransferase 1 (DNMT1)/Wnt inhibitory factor 1 (WIF1) axis. <i>Phytomedicine</i> , 2019, 63, 153058.	2.3	19
44	Enhanced food waste degradation in integrated two-phase anaerobic digestion: Effect of leachate recirculation ratio. <i>Bioresource Technology</i> , 2019, 291, 121813.	4.8	46
45	Integrated food waste and sewage treatment – A better approach than conventional food waste-sludge co-digestion for higher energy recovery via anaerobic digestion. <i>Bioresource Technology</i> , 2019, 289, 121698.	4.8	57
46	A mini-review on the metabolic pathways of food waste two-phase anaerobic digestion system. <i>Waste Management and Research</i> , 2019, 37, 333-346.	2.2	44
47	Effects of different thermal pretreatments on the biodegradability and bioaccessibility of sewage sludge. <i>Waste Management</i> , 2019, 94, 68-76.	3.7	39
48	Co-digestion of food waste and sewage sludge for methane production: Current status and perspective. <i>Bioresource Technology</i> , 2018, 265, 519-531.	4.8	235
49	Lipid accumulation potential of oleaginous yeasts: A comparative evaluation using food waste leachate as a substrate. <i>Bioresource Technology</i> , 2018, 248, 221-228.	4.8	46
50	Biodegradation of food waste using microbial cultures producing thermostable α -amylase and cellulase under different pH and temperature. <i>Bioresource Technology</i> , 2018, 248, 160-170.	4.8	89
51	Bio-degradation of oily food waste employing thermophilic bacterial strains. <i>Bioresource Technology</i> , 2018, 248, 141-147.	4.8	51
52	Enhanced volatile fatty acids production from anaerobic fermentation of food waste: A mini-review focusing on acidogenic metabolic pathways. <i>Bioresource Technology</i> , 2018, 248, 68-78.	4.8	455
53	Influence of lime and struvite on microbial community succession and odour emission during food waste composting. <i>Bioresource Technology</i> , 2018, 247, 652-659.	4.8	56
54	Chinese medicinal herbal residues as a bulking agent for food waste composting. <i>Bioresource Technology</i> , 2018, 249, 182-188.	4.8	103

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55	Pretreatment of food waste for methane and hydrogen recovery: A review. <i>Bioresource Technology</i> , 2018, 249, 1025-1039.	4.8	232
56	Evaluation of microbial dynamics during post-consumption food waste composting. <i>Bioresource Technology</i> , 2018, 251, 181-188.	4.8	40
57	Food waste treatment by anaerobic co-digestion with saline sludge and its implications for energy recovery in Hong Kong. <i>Bioresource Technology</i> , 2018, 268, 824-828.	4.8	32
58	Waste-to-biofuel: production of biobutanol from sago waste residues. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1725-1734.	1.2	20
59	Application of recombinant <i>Pediococcus acidilactici</i> BD16 (fcs +/ech +) for bioconversion of agrowaste to vanillin. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5615-5626.	1.7	34
60	Critical evaluation of post-consumption food waste composting employing thermophilic bacterial consortium. <i>Bioresource Technology</i> , 2017, 245, 665-672.	4.8	42
61	Enhanced carboxylic acids production by decreasing hydrogen partial pressure during acidogenic fermentation of glucose. <i>Bioresource Technology</i> , 2017, 245, 44-51.	4.8	44
62	Influence of acidogenic headspace pressure on methane production under schematic of diversion of acidogenic off-gas to methanogenic reactor. <i>Bioresource Technology</i> , 2017, 245, 1000-1007.	4.8	21
63	Bioelectrohydrogenesis and inhibition of methanogenic activity in microbial electrolysis cells - A review. <i>Biotechnology Advances</i> , 2017, 35, 758-771.	6.0	63
64	Biological nutrient transformation during composting of pig manure and paper waste. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 754-761.	1.2	25
65	Innovative method for increased methane recovery from two-phase anaerobic digestion of food waste through reutilization of acidogenic off-gas in methanogenic reactor. <i>Bioresource Technology</i> , 2016, 217, 3-9.	4.8	52
66	Influence of lime on struvite formation and nitrogen conservation during food waste composting. <i>Bioresource Technology</i> , 2016, 217, 227-232.	4.8	106
67	Sludge conditioning using biogenic flocculant produced by <i>Acidithiobacillus ferrooxidans</i> for enhancement in dewaterability. <i>Bioresource Technology</i> , 2016, 217, 179-185.	4.8	28
68	Improved dewatering of CEPT sludge by biogenic flocculant from <i>Acidithiobacillus ferrooxidans</i> . <i>Water Science and Technology</i> , 2016, 73, 843-848.	1.2	9
69	Ammonia-oxidizing bacterial communities and shaping factors with different <i>Phanerochaete chrysosporium</i> inoculation regimes during agricultural waste composting. <i>RSC Advances</i> , 2016, 6, 61473-61481.	1.7	14
70	Dewatering of saline sewage sludge using iron-oxidizing bacteria: Effect of substrate concentration. <i>Bioresource Technology</i> , 2016, 213, 31-38.	4.8	22
71	Fate of extracellular polymeric substances of anaerobically digested sewage sludge during pre-dewatering conditioning with <i>Acidithiobacillus ferrooxidans</i> culture. <i>Bioresource Technology</i> , 2016, 217, 173-178.	4.8	26
72	Assistant role of bioelectrode on methanogenic reactor under ammonia stress. <i>Bioresource Technology</i> , 2016, 217, 72-81.	4.8	33

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73	Effect of Chinese medicinal herbal residues on microbial community succession and anti-pathogenic properties during co-composting with food waste. <i>Bioresource Technology</i> , 2016, 217, 190-199.	4.8	69
74	Co-composting of gelatin industry sludge combined with organic fraction of municipal solid waste and poultry waste employing zeolite mixed with enriched nitrifying bacterial consortium. <i>Bioresource Technology</i> , 2016, 213, 181-189.	4.8	167
75	Microbial biodegradation of proteinaceous tannery solid waste and production of a novel value added product "Metalloprotease". <i>Bioresource Technology</i> , 2016, 217, 150-156.	4.8	21
76	Influence of microbial diversity and plant growth hormones in compost and vermicompost from fermented tannery waste. <i>Bioresource Technology</i> , 2016, 217, 200-204.	4.8	92
77	Reducing nitrogen loss and salinity during "struvite"™ food waste composting by zeolite amendment. <i>Bioresource Technology</i> , 2016, 200, 838-844.	4.8	347
78	Influence of ferrous ions on extracellular polymeric substances content and sludge dewaterability during bioleaching. <i>Bioresource Technology</i> , 2015, 179, 78-83.	4.8	60
79	Ultrasonic and Thermal Pretreatments on Anaerobic Digestion of Petrochemical Sludge: Dewaterability and Degradation of PAHs. <i>PLoS ONE</i> , 2015, 10, e0136162.	1.1	16
80	Flocculation and dewaterability of chemically enhanced primary treatment sludge by bioaugmentation with filamentous fungi. <i>Bioresource Technology</i> , 2014, 168, 198-203.	4.8	41
81	A novel way to utilize hydrogen and carbon dioxide in acidogenic reactor through homoacetogenesis. <i>Bioresource Technology</i> , 2014, 159, 249-257.	4.8	30
82	Application of rumen microbes to enhance food waste hydrolysis in acidogenic leach-bed reactors. <i>Bioresource Technology</i> , 2014, 168, 64-71.	4.8	41
83	Optimization of micro-aeration intensity in acidogenic reactor of a two-phase anaerobic digester treating food waste. <i>Waste Management</i> , 2014, 34, 363-369.	3.7	117
84	Development of correction factors for landfill gas emission model suiting Indian condition to predict methane emission from landfills. <i>Bioresource Technology</i> , 2014, 168, 97-99.	4.8	16
85	Enhanced dewaterability of anaerobically digested sewage sludge using <i>Acidithiobacillus ferrooxidans</i> culture as sludge conditioner. <i>Bioresource Technology</i> , 2014, 169, 374-379.	4.8	39
86	Responses of microbial community and acidogenic intermediates to different water regimes in a hybrid solid anaerobic digestion system treating food waste. <i>Bioresource Technology</i> , 2014, 168, 49-58.	4.8	36
87	Evaluation of thermophilic fungal consortium for organic municipal solid waste composting. <i>Bioresource Technology</i> , 2014, 168, 214-221.	4.8	268
88	Microbial community distribution and extracellular enzyme activities in leach bed reactor treating food waste: Effect of different leachate recirculation practices. <i>Bioresource Technology</i> , 2014, 168, 41-48.	4.8	53
89	Evaluation of humic substances during co-composting of food waste, sawdust and Chinese medicinal herbal residues. <i>Bioresource Technology</i> , 2014, 168, 229-234.	4.8	257
90	Nitrogen conservation and acidity control during food wastes composting through struvite formation. <i>Bioresource Technology</i> , 2013, 147, 17-22.	4.8	142

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91	Degradation of tetracycline and sulfadiazine during continuous thermophilic composting of pig manure and sawdust. <i>Environmental Technology</i> (United Kingdom), 2013, 34, 2433-2441.	1.2	51
92	Fate of heavy metals and major nutrients in a sludge-soil-plant-leachate system during the sludge phyto-treatment process. <i>Environmental Technology</i> (United Kingdom), 2013, 34, 2221-2229.	1.2	14
93	Influence of different mixing ratios on in-vessel co-composting of sewage sludge with horse stable straw bedding waste: maturity and process evaluation. <i>Waste Management and Research</i> , 2011, 29, 1164-1170.	2.2	18
94	Growth and Elemental Accumulation of Plants Grown in Acidic Soil Amended With Coal Fly Ash Sewage Sludge Co-compost. <i>Archives of Environmental Contamination and Toxicology</i> , 2009, 57, 515-523.	2.1	16
95	Reduction of indicator and pathogenic microorganisms in pig manure through fly ash and lime addition during alkaline stabilization. <i>Journal of Hazardous Materials</i> , 2009, 169, 882-889.	6.5	45
96	PHYTOCHELATIN SYNTHESIS AND CADMIUM UPTAKE OF BRASSICA NAPUS. <i>Environmental Technology</i> (United Kingdom), 2008, 29, 765-773.	1.2	44
97	Enhanced heavy metal bioleaching efficiencies from anaerobically digested sewage sludge with coinoculation of <i>Acidithiobacillus ferrooxidans</i> ANYL-1 and <i>Blastoschizomyces capitatus</i> Y5. <i>Water Science and Technology</i> , 2004, 50, 83-89.	1.2	17
98	Alkaline biosolids and EDTA for phytoremediation of an acidic loamy soil spiked with cadmium. <i>Science of the Total Environment</i> , 2004, 324, 235-246.	3.9	13
99	Effect of Surfactants on Solubilization and Degradation of Phenanthrene under Thermophilic Conditions. <i>Journal of Environmental Quality</i> , 2004, 33, 2015-2025.	1.0	94
100	Effect of organic waste amendments on degradation of PAHs in soil using thermophilic composting. <i>Environmental Technology</i> (United Kingdom), 2003, 24, 23-30.	1.2	12
101	Fractionation and characterization of sludge bacterial extracellular polymers by FT-IR, ¹³ C-NMR, ¹ H-NMR. <i>Water Science and Technology</i> , 2001, 44, 71-78.	1.2	9
102	Effect of Dissolved Organic Matter from Sludge and Sludge Compost on Soil Copper Sorption. <i>Journal of Environmental Quality</i> , 2001, 30, 878-883.	1.0	137
103	Acid-forming capacity of lead-zinc mine tailings and its implications for mine rehabilitation. <i>Environmental Geochemistry and Health</i> , 1998, 20, 149-155.	1.8	69