

Keng Yuen Foo

List of Publications by Year in descending order

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97
papers

12,289
citations

53660

45
h-index

45213

90
g-index

97
all docs

97
docs citations

97
times ranked

13070
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the modeling of adsorption isotherm systems. <i>Chemical Engineering Journal</i> , 2010, 156, 2-10.	6.6	5,747
2	An overview of landfill leachate treatment via activated carbon adsorption process. <i>Journal of Hazardous Materials</i> , 2009, 171, 54-60.	6.5	450
3	Recent developments in the preparation and regeneration of activated carbons by microwaves. <i>Advances in Colloid and Interface Science</i> , 2009, 149, 19-27.	7.0	316
4	Preparation, characterization and evaluation of adsorptive properties of orange peel based activated carbon via microwave induced K ₂ CO ₃ activation. <i>Bioresource Technology</i> , 2012, 104, 679-686.	4.8	314
5	Preparation of activated carbons from rambutan (<i>Nephelium lappaceum</i>) peel by microwave-induced KOH activation for acid yellow 17 dye adsorption. <i>Chemical Engineering Journal</i> , 2014, 250, 198-204.	6.6	255
6	Coconut husk derived activated carbon via microwave induced activation: Effects of activation agents, preparation parameters and adsorption performance. <i>Chemical Engineering Journal</i> , 2012, 184, 57-65.	6.6	251
7	Detoxification of pesticide waste via activated carbon adsorption process. <i>Journal of Hazardous Materials</i> , 2010, 175, 1-11.	6.5	235
8	Utilization of rice husk ash as novel adsorbent: A judicious recycling of the colloidal agricultural waste. <i>Advances in Colloid and Interface Science</i> , 2009, 152, 39-47.	7.0	186
9	Utilization of rice husks as a feedstock for preparation of activated carbon by microwave induced KOH and K ₂ CO ₃ activation. <i>Bioresource Technology</i> , 2011, 102, 9814-9817.	4.8	184
10	Mesoporous activated carbon from wood sawdust by K ₂ CO ₃ activation using microwave heating. <i>Bioresource Technology</i> , 2012, 111, 425-432.	4.8	180
11	A short review of activated carbon assisted electrosorption process: An overview, current stage and future prospects. <i>Journal of Hazardous Materials</i> , 2009, 170, 552-559.	6.5	169
12	Factors affecting the carbon yield and adsorption capability of the mangosteen peel activated carbon prepared by microwave assisted K ₂ CO ₃ activation. <i>Chemical Engineering Journal</i> , 2012, 180, 66-74.	6.6	162
13	Microwave assisted preparation of activated carbon from pomelo skin for the removal of anionic and cationic dyes. <i>Chemical Engineering Journal</i> , 2011, 173, 385-390.	6.6	149
14	Potential of jackfruit peel as precursor for activated carbon prepared by microwave induced NaOH activation. <i>Bioresource Technology</i> , 2012, 112, 143-150.	4.8	148
15	Porous structure and adsorptive properties of pineapple peel based activated carbons prepared via microwave assisted KOH and K ₂ CO ₃ activation. <i>Microporous and Mesoporous Materials</i> , 2012, 148, 191-195.	2.2	140
16	An overview of dye removal via activated carbon adsorption process. <i>Desalination and Water Treatment</i> , 2010, 19, 255-274.	1.0	138
17	Textural porosity, surface chemistry and adsorptive properties of durian shell derived activated carbon prepared by microwave assisted NaOH activation. <i>Chemical Engineering Journal</i> , 2012, 187, 53-62.	6.6	138
18	Preparation of activated carbon from date stones by microwave induced chemical activation: Application for methylene blue adsorption. <i>Chemical Engineering Journal</i> , 2011, 170, 338-341.	6.6	137

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19	Preparation and characterization of activated carbon from pistachio nut shells via microwave-induced chemical activation. <i>Biomass and Bioenergy</i> , 2011, 35, 3257-3261.	2.9	128
20	Microwave-assisted preparation and adsorption performance of activated carbon from biodiesel industry solid residue: Influence of operational parameters. <i>Bioresource Technology</i> , 2012, 103, 398-404.	4.8	128
21	Microwave-assisted preparation of oil palm fiber activated carbon for methylene blue adsorption. <i>Chemical Engineering Journal</i> , 2011, 166, 792-795.	6.6	125
22	Decontamination of textile wastewater via TiO ₂ /activated carbon composite materials. <i>Advances in Colloid and Interface Science</i> , 2010, 159, 130-143.	7.0	110
23	Value-added utilization of oil palm ash: A superior recycling of the industrial agricultural waste. <i>Journal of Hazardous Materials</i> , 2009, 172, 523-531.	6.5	104
24	Preparation and characterization of activated carbon from sunflower seed oil residue via microwave assisted K ₂ CO ₃ activation. <i>Bioresource Technology</i> , 2011, 102, 9794-9799.	4.8	101
25	Preparation of oil palm (<i>Elaeis</i>) empty fruit bunch activated carbon by microwave-assisted KOH activation for the adsorption of methylene blue. <i>Desalination</i> , 2011, 275, 302-305.	4.0	100
26	Microwave-assisted preparation of pumpkin seed hull activated carbon and its application for the adsorptive removal of 2,4-dichlorophenoxyacetic acid. <i>Chemical Engineering Journal</i> , 2013, 215-216, 383-388.	6.6	93
27	Microwave-assisted regeneration of activated carbon. <i>Bioresource Technology</i> , 2012, 119, 234-240.	4.8	92
28	Preparation of activated carbon from sugarcane bagasse by microwave assisted activation for the remediation of semi-aerobic landfill leachate. <i>Bioresource Technology</i> , 2013, 134, 166-172.	4.8	92
29	Adsorption characteristics of industrial solid waste derived activated carbon prepared by microwave heating for methylene blue. <i>Fuel Processing Technology</i> , 2012, 99, 103-109.	3.7	89
30	Utilization of biodiesel waste as a renewable resource for activated carbon: Application to environmental problems. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2495-2504.	8.2	86
31	A vision on the role of environmental higher education contributing to the sustainable development in Malaysia. <i>Journal of Cleaner Production</i> , 2013, 61, 6-12.	4.6	82
32	Recent advances on the beneficial use and health implications of Pu-Erh tea. <i>Food Research International</i> , 2013, 53, 619-628.	2.9	80
33	Ash based nanocomposites for photocatalytic degradation of textile dye pollutants: A review. <i>Materials Chemistry and Physics</i> , 2020, 241, 122405.	2.0	75
34	The environmental applications of activated carbon/zeolite composite materials. <i>Advances in Colloid and Interface Science</i> , 2011, 162, 22-28.	7.0	74
35	Insight into the applications of palm oil mill effluent: A renewable utilization of the industrial agricultural waste. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1445-1452.	8.2	73
36	Preparation of banana frond activated carbon by microwave induced activation for the removal of boron and total iron from landfill leachate. <i>Chemical Engineering Journal</i> , 2013, 223, 604-610.	6.6	72

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37	A cost effective method for regeneration of durian shell and jackfruit peel activated carbons by microwave irradiation. <i>Chemical Engineering Journal</i> , 2012, 193-194, 404-409.	6.6	65
38	Utilization of oil palm biodiesel solid residue as renewable sources for preparation of granular activated carbon by microwave induced KOH activation. <i>Bioresource Technology</i> , 2013, 130, 696-702.	4.8	63
39	Preparation of tamarind fruit seed activated carbon by microwave heating for the adsorptive treatment of landfill leachate: A laboratory column evaluation. <i>Bioresource Technology</i> , 2013, 133, 599-605.	4.8	63
40	Dynamic adsorption behavior of methylene blue onto oil palm shell granular activated carbon prepared by microwave heating. <i>Chemical Engineering Journal</i> , 2012, 203, 81-87.	6.6	59
41	A rapid regeneration of methylene blue dye-loaded activated carbons with microwave heating. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 98, 123-128.	2.6	58
42	Batch adsorption of semi-aerobic landfill leachate by granular activated carbon prepared by microwave heating. <i>Chemical Engineering Journal</i> , 2013, 222, 259-264.	6.6	56
43	Preparation of sulfonated chitosan for enhanced adsorption of methylene blue from aqueous solution. <i>Reactive and Functional Polymers</i> , 2020, 151, 104584.	2.0	56
44	A vision on the opportunities, policies and coping strategies for the energy security and green energy development in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 1477-1498.	8.2	54
45	Semi-aerobic stabilized landfill leachate treatment by ion exchange resin: isotherm and kinetic study. <i>Applied Water Science</i> , 2017, 7, 581-590.	2.8	51
46	Preparation of activated carbon by microwave heating of langsat (<i>Lansium domesticum</i>) empty fruit bunch waste. <i>Bioresource Technology</i> , 2012, 116, 522-525.	4.8	45
47	Mesocosm study of enhanced bioretention media in treating nutrient rich stormwater for mixed development area. <i>Urban Water Journal</i> , 2017, 14, 134-142.	1.0	45
48	Transformation of durian biomass into a highly valuable end commodity: Trends and opportunities. <i>Biomass and Bioenergy</i> , 2011, 35, 2470-2478.	2.9	41
49	Adsorptive removal of methylene blue using the natural adsorbent-banana leaves. <i>Desalination and Water Treatment</i> , 2014, 52, 6104-6112.	1.0	39
50	Adsorption of chromium (III) from aqueous solution using vesicular basalt rock. <i>Cogent Environmental Science</i> , 2019, 5, 1650416.	1.6	37
51	One-step synthesis of chitosan-polyethyleneimine with calcium chloride as effective adsorbent for Acid Red 88 removal. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 648-658.	3.6	29
52	A vision of the environmental and occupational noise pollution in Malaysia. <i>Noise and Health</i> , 2014, 16, 427.	0.4	28
53	Preparation of MIL-100 via a novel water-based heatless synthesis technique for the effective remediation of phenoxyacetic acid-based pesticide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104923.	3.3	27
54	Microwave-Assisted Synthesis of Polyethyleneimine Grafted Chitosan Beads for the Adsorption of Acid Red 27. <i>Journal of Polymers and the Environment</i> , 2020, 28, 542-552.	2.4	26

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55	Food cannery effluent, pineapple peel as an effective low-cost biosorbent for removing cationic dye from aqueous solutions. <i>Desalination and Water Treatment</i> , 2014, 52, 6096-6103.	1.0	25
56	Adsorption of methylene blue onto papaya leaves: comparison of linear and nonlinear isotherm analysis. <i>Desalination and Water Treatment</i> , 2014, 52, 6712-6719.	1.0	24
57	The performance of gross pollutant trap for water quality preservation: a real practical application at the Klang Valley, Malaysia. <i>Desalination and Water Treatment</i> , 2016, 57, 24733-24741.	1.0	24
58	Utilization of montmorillonite as a refining solution for the treatment of ametryn, a second generation of pesticide. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3235-3242.	3.3	23
59	Effect of microwave regeneration on the textural network, surface chemistry and adsorptive property of the agricultural waste based activated carbons. <i>Chemical Engineering Research and Design</i> , 2018, 116, 461-467.	2.7	23
60	Preparation of a montmorillonite-derived adsorbent for the practical treatment of ionic and nonionic pesticides. <i>Journal of Materials Research and Technology</i> , 2019, 8, 4713-4724.	2.6	22
61	Feasibility of montmorillonite-assisted adsorption process for the effective treatment of organo-pesticides. <i>Desalination and Water Treatment</i> , 2016, 57, 13645-13677.	1.0	21
62	Value-added utilization of maize cobs waste as an environmental friendly solution for the innovative treatment of carbofuran. <i>Chemical Engineering Research and Design</i> , 2016, 100, 295-304.	2.7	20
63	Phytotoxic effects of trivalent chromium-enriched water irrigation in <i>Vigna unguiculata</i> seedling. <i>Journal of Cleaner Production</i> , 2018, 202, 101-108.	4.6	20
64	Potential of activated carbon adsorption processes for the remediation of nuclear effluents: a recent literature. <i>Desalination and Water Treatment</i> , 2012, 41, 72-78.	1.0	19
65	Hydrothermal synthesis of phosphorylated chitosan and its adsorption performance towards Acid Red 88 dye. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1716-1726.	3.6	17
66	Recent insights on the significance of transcriptomic and metabolomic analysis of male factor infertility. <i>Clinical Biochemistry</i> , 2014, 47, 973-982.	0.8	16
67	An appraisal of the therapeutic value of lycopene for the chemoprevention of prostate cancer: A nutrigenomic approach. <i>Food Research International</i> , 2013, 54, 1217-1228.	2.9	14
68	Preparation and characterization of activated carbon from melon (<i>Citrullus vulgaris</i>) seed hull by microwave-induced NaOH activation. <i>Desalination and Water Treatment</i> , 2012, 47, 130-138.	1.0	13
69	Geochemistry pollution status and ecotoxicological risk assessment of heavy metals in the Pahang River sediment after the high magnitude of flood event. <i>Hydrology Research</i> , 2021, 52, 107-124.	1.1	13
70	Integrated Assessment of Nickel Electroplating Industrial Wastewater Effluent as a Renewable Resource of Irrigation Water Using a Hydroponic Cultivation System. <i>Frontiers in Plant Science</i> , 2021, 12, 609396.	1.7	13
71	Pollution status of shooting range soils from Cd, Cu, Mn, Ni and Zn found in ammunition. <i>Cogent Environmental Science</i> , 2018, 4, 1528701.	1.6	10
72	One step acid activation of bentonite derived adsorbent for the effective remediation of the new generation of industrial pesticides. <i>Scientific Reports</i> , 2020, 10, 20151.	1.6	10

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73	Facile preparation of rice husk-derived green coagulant via water-based heatless and salt-free technique for the effective treatment of urban and agricultural runoffs. <i>Industrial Crops and Products</i> , 2022, 178, 114547.	2.5	10
74	Sodium salt-assisted low temperature activation of bentonite for the adsorptive removal of methylene blue. <i>Scientific Reports</i> , 2022, 12, 2534.	1.6	10
75	Adsorption of cationic dye using a low-cost biowaste adsorbent: equilibrium, kinetic, and thermodynamic study. <i>Desalination and Water Treatment</i> , 2014, 52, 6088-6095.	1.0	9
76	A novel preparation of visible light driven Durio zibethinus shell ash supported CuO nanocomposite for the photocatalytic degradation of acid dye. <i>Journal of Materials Research and Technology</i> , 2020, 9, 168-179.	2.6	9
77	Water quality assessment of urban catchment after the large-scale flood event: The worst natural tragedy at Pahang River, Malaysia. , 0, 175, 32-42.		8
78	Effects of familial climate on the adolescentsâ€™ driving habits: a recent literature. <i>International Journal of Injury Control and Safety Promotion</i> , 2015, 22, 127-135.	1.0	6
79	Insight into the Chromium-Enriched Industrial Wastewater Irrigation Practice on <i>Lablab purpureus</i> . <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	0.7	6
80	Facile synthesis of MIL-100 metal-organic framework via heatless technique for the adsorptive treatment of cationic and anionic pollutants. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103359.	2.3	6
81	Hazard identification and risk assessment of the organic, inorganic and microbial contaminants in the surface water after the high magnitude of flood event. <i>Environment International</i> , 2021, 157, 106851.	4.8	6
82	A shared view of the integrated urban water management practices in Malaysia. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 456-473.	1.0	5
83	Potential of engineered biomedica for the innovative purification of contaminated river water. <i>Desalination and Water Treatment</i> , 2016, 57, 24210-24221.	1.0	5
84	Public policy and technology choices for municipal solid waste management a recent case in Lebanon. <i>Cogent Environmental Science</i> , 2018, 4, 1529853.	1.6	5
85	Scientific rationale of hospital discharge as a sustainable source of irrigation water: Detection, phytological assessment and toxicity verification. <i>Chemical Engineering Research and Design</i> , 2021, 148, 834-845.	2.7	5
86	Acid modified natural clay as a judicious solution for the successive treatment of ametryn. , 0, 103, 270-279.		5
87	Appropriate technology for soil remediation in tropical low-income countries - a pilot scale test of three different amendments for accelerated biodegradation of diesel fuel in Ultisol. <i>Cogent Environmental Science</i> , 2020, 6, 1754107.	1.6	4
88	Influence of Hydraulic Conductivity and Organic Matter Content in Different Bioretention Media on Nutrient Removal. <i>Applied Mechanics and Materials</i> , 2015, 802, 448-453.	0.2	3
89	One-step synthesis of carbonaceous adsorbent from soybean bio-residue by microwave heating: Adsorptive, antimicrobial and antifungal behavior. <i>Environmental Research</i> , 2022, 204, 112044.	3.7	3
90	Integrated assessment of phytotoxicity, stress responses, and bioaccumulative mechanisms of the arsenic-contaminated agricultural runoff using a soilless cultivation system. <i>Chemical Engineering Research and Design</i> , 2022, 159, 266-280.	2.7	3

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91	An appraisal of the nutritional properties, therapeutic value, and novel implications of the under-utilized plant, <i>Parkia speciosa</i> . <i>RSC Advances</i> , 2013, 3, 18248.	1.7	2
92	Preparation of eco-friendly activated carbon as a refining solution for the adsorptive treatment of analgesic acetaminophen. , 0, 114, 332-340.		2
93	Potential of natural clay derived functionalized adsorbent for the effective remediation of sanitary landfill leachate. , 0, 175, 164-173.		2
94	Enhancement of hazardous pesticide uptake, ametryn using an environmentally friendly clay-based adsorbent. , 0, 79, 188-195.		1
95	Evolution of sustainable product service system in the water management practice. , 0, 90, 147-156.		1
96	Psychological Restorative Potential of a Pilot on-Campus Ecological Wetland in Malaysia. <i>Sustainability</i> , 2022, 14, 246.	1.6	1
97	The viable role of activated carbon for the effective remediation of refinery and petrochemical wastewaters. , 2022, , 185-203.		0