Keng Yuen Foo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6317862/publications.pdf

Version: 2024-02-01

		53660	45213
97	12,289	45	90
papers	citations	h-index	g-index

97	97	97	13070
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	One-step synthesis of carbonaceous adsorbent from soybean bio-residue by microwave heating: Adsorptive, antimicrobial and antifungal behavior. Environmental Research, 2022, 204, 112044.	3.7	3
2	Integrated assessment of phytotoxicity, stress responses, and bioaccumulative mechanisms of the arsenic-contaminated agricultural runoff using a soilless cultivation system. Chemical Engineering Research and Design, 2022, 159, 266-280.	2.7	3
3	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. Industrial Crops and Products, 2022, 178, 114547.	2.5	10
4	The viable role of activated carbon for the effective remediation of refinery and petrochemical wastewaters. , 2022, , 185-203.		0
5	Sodium salt-assisted low temperature activation of bentonite for the adsorptive removal of methylene blue. Scientific Reports, 2022, 12, 2534.	1.6	10
6	Psychological Restorative Potential of a Pilot on-Campus Ecological Wetland in Malaysia. Sustainability, 2022, 14, 246.	1.6	1
7	Geochemistry pollution status and ecotoxicological risk assessment of heavy metals in the Pahang River sediment after the high magnitude of flood event. Hydrology Research, 2021, 52, 107-124.	1.1	13
8	Preparation of MIL-100 via a novel water-based heatless synthesis technique for the effective remediation of phenoxyacetic acid-based pesticide. Journal of Environmental Chemical Engineering, 2021, 9, 104923.	3.3	27
9	Integrated Assessment of Nickel Electroplating Industrial Wastewater Effluent as a Renewable Resource of Irrigation Water Using a Hydroponic Cultivation System. Frontiers in Plant Science, 2021, 12, 609396.	1.7	13
10	Scientific rationale of hospital discharge as a sustainable source of irrigation water: Detection, phytological assessment and toxicity verification. Chemical Engineering Research and Design, 2021, 148, 834-845.	2.7	5
11	Facile synthesis of MIL-100 metal-organic framework via heatless technique for the adsorptive treatment of cationic and anionic pollutants. Arabian Journal of Chemistry, 2021, 14, 103359.	2.3	6
12	Hazard identification and risk assessment of the organic, inorganic and microbial contaminants in the surface water after the high magnitude of flood event. Environment International, 2021, 157, 106851.	4.8	6
13	Hydrothermal synthesis of phosphorylated chitosan and its adsorption performance towards Acid Red 88 dye. International Journal of Biological Macromolecules, 2021, 193, 1716-1726.	3.6	17
14	Ash based nanocomposites for photocatalytic degradation of textile dye pollutants: A review. Materials Chemistry and Physics, 2020, 241, 122405.	2.0	75
15	A novel preparation of visible light driven Durio zibethinus shell ash supported CuO nanocomposite for the photocatalytic degradation of acid dye. Journal of Materials Research and Technology, 2020, 9, 168-179.	2.6	9
16	Microwave-Assisted Synthesis of Polyethyleneimine Grafted Chitosan Beads for the Adsorption of Acid Red 27. Journal of Polymers and the Environment, 2020, 28, 542-552.	2.4	26
17	One-step synthesis of chitosan-polyethyleneimine with calcium chloride as effective adsorbent for Acid Red 88 removal. International Journal of Biological Macromolecules, 2020, 157, 648-658.	3.6	29
18	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. Cogent Environmental Science, 2020, 6, 1754107.	1.6	4

#	Article	IF	Citations
19	One step acid activation of bentonite derived adsorbent for the effective remediation of the new generation of industrial pesticides. Scientific Reports, 2020, 10, 20151.	1.6	10
20	Insight into the Chromium-Enriched Industrial Wastewater Irrigation Practice on Lablab purpureus. Journal of Environmental Engineering, ASCE, 2020, 146, .	0.7	6
21	Preparation of sulfonated chitosan for enhanced adsorption of methylene blue from aqueous solution. Reactive and Functional Polymers, 2020, 151, 104584.	2.0	56
22	Preparation of a montmorillonite-derived adsorbent for the practical treatment of ionic and nonionic pesticides. Journal of Materials Research and Technology, 2019, 8, 4713-4724.	2.6	22
23	Adsorption of chromium (III) from aqueous solution using vesicular basalt rock. Cogent Environmental Science, 2019, 5, 1650416.	1.6	37
24	Effect of microwave regeneration on the textural network, surface chemistry and adsorptive property of the agricultural waste based activated carbons. Chemical Engineering Research and Design, 2018, 116, 461-467.	2.7	23
25	Pollution status of shooting range soils from Cd, Cu, Mn, Ni and Zn found in ammunition. Cogent Environmental Science, 2018, 4, 1528701.	1.6	10
26	Public policy and technology choices for municipal solid waste management a recent case in Lebanon. Cogent Environmental Science, 2018, 4, 1529853.	1.6	5
27	Phytotoxic effects of trivalent chromium-enriched water irrigation in Vigna unguiculata seedling. Journal of Cleaner Production, 2018, 202, 101-108.	4.6	20
28	Semi-aerobic stabilized landfill leachate treatment by ion exchange resin: isotherm and kinetic study. Applied Water Science, 2017, 7, 581-590.	2.8	51
29	Mesocosm study of enhanced bioretention media in treating nutrient rich stormwater for mixed development area. Urban Water Journal, 2017, 14, 134-142.	1.0	45
30	Utilization of montmorillonite as a refining solution for the treatment of ametryn, a second generation of pesticide. Journal of Environmental Chemical Engineering, 2017, 5, 3235-3242.	3.3	23
31	Potential of engineered biomedia for the innovative purification of contaminated river water. Desalination and Water Treatment, 2016, 57, 24210-24221.	1.0	5
32	Value-added utilization of maize cobs waste as an environmental friendly solution for the innovative treatment of carbofuran. Chemical Engineering Research and Design, 2016, 100, 295-304.	2.7	20
33	The performance of gross pollutant trap for water quality preservation: a real practical application at the Klang Valley, Malaysia. Desalination and Water Treatment, 2016, 57, 24733-24741.	1.0	24
34	Feasibility of montmorillonite-assisted adsorption process for the effective treatment of organo-pesticides. Desalination and Water Treatment, 2016, 57, 13645-13677.	1.0	21
35	A shared view of the integrated urban water management practices in Malaysia. Water Science and Technology: Water Supply, 2015, 15, 456-473.	1.0	5
36	A vision on the opportunities, policies and coping strategies for the energy security and green energy development in Malaysia. Renewable and Sustainable Energy Reviews, 2015, 51, 1477-1498.	8.2	54

#	Article	IF	Citations
37	Effects of familial climate on the adolescentsâ€™ driving habits: a recent literature. International Journal of Injury Control and Safety Promotion, 2015, 22, 127-135.	1.0	6
38	Influence of Hydraulic Conductivity and Organic Matter Content in Different Bioretention Media on Nutrient Removal. Applied Mechanics and Materials, 2015, 802, 448-453.	0.2	3
39	Adsorptive removal of methylene blue using the natural adsorbent-banana leaves. Desalination and Water Treatment, 2014, 52, 6104-6112.	1.0	39
40	Food cannery effluent, pineapple peel as an effective low-cost biosorbent for removing cationic dye from aqueous solutions. Desalination and Water Treatment, 2014, 52, 6096-6103.	1.0	25
41	A vision of the environmental and occupational noise pollution in Malaysia. Noise and Health, 2014, 16, 427.	0.4	28
42	Preparation of activated carbons from rambutan (Nephelium lappaceum) peel by microwave-induced KOH activation for acid yellow 17 dye adsorption. Chemical Engineering Journal, 2014, 250, 198-204.	6.6	255
43	Adsorption of cationic dye using a low-cost biowaste adsorbent: equilibrium, kinetic, and thermodynamic study. Desalination and Water Treatment, 2014, 52, 6088-6095.	1.0	9
44	Adsorption of methylene blue onto papaya leaves: comparison of linear and nonlinear isotherm analysis. Desalination and Water Treatment, 2014, 52, 6712-6719.	1.0	24
45	Recent insights on the significance of transcriptomic and metabolomic analysis of male factor infertility. Clinical Biochemistry, 2014, 47, 973-982.	0.8	16
46	Utilization of oil palm biodiesel solid residue as renewable sources for preparation of granular activated carbon by microwave induced KOH activation. Bioresource Technology, 2013, 130, 696-702.	4.8	63
47	A vision on the role of environmental higher education contributing to the sustainable development in Malaysia. Journal of Cleaner Production, 2013, 61, 6-12.	4.6	82
48	Preparation of activated carbon from sugarcane bagasse by microwave assisted activation for the remediation of semi-aerobic landfill leachate. Bioresource Technology, 2013, 134, 166-172.	4.8	92
49	An appraisal of the therapeutic value of lycopene for the chemoprevention of prostate cancer: A nutrigenomic approach. Food Research International, 2013, 54, 1217-1228.	2.9	14
50	Batch adsorption of semi-aerobic landfill leachate by granular activated carbon prepared by microwave heating. Chemical Engineering Journal, 2013, 222, 259-264.	6.6	56
51	An appraisal of the nutritional properties, therapeutic value, and novel implications of the under-utilized plant, Parkia speciosa. RSC Advances, 2013, 3, 18248.	1.7	2
52	Preparation of banana frond activated carbon by microwave induced activation for the removal of boron and total iron from landfill leachate. Chemical Engineering Journal, 2013, 223, 604-610.	6.6	72
53	Microwave-assisted preparation of pumpkin seed hull activated carbon and its application for the adsorptive removal of 2,4-dichlorophenoxyacetic acid. Chemical Engineering Journal, 2013, 215-216, 383-388.	6.6	93
54	Recent advances on the beneficial use and health implications of Pu-Erh tea. Food Research International, 2013, 53, 619-628.	2.9	80

#	Article	IF	Citations
55	Preparation of tamarind fruit seed activated carbon by microwave heating for the adsorptive treatment of landfill leachate: A laboratory column evaluation. Bioresource Technology, 2013, 133, 599-605.	4.8	63
56	Preparation and characterization of activated carbon from melon (Citrullus vulgaris) seed hull by microwave-induced NaOH activation. Desalination and Water Treatment, 2012, 47, 130-138.	1.0	13
57	A rapid regeneration of methylene blue dye-loaded activated carbons with microwave heating. Journal of Analytical and Applied Pyrolysis, 2012, 98, 123-128.	2.6	58
58	Preparation of activated carbon by microwave heating of langsat (Lansium domesticum) empty fruit bunch waste. Bioresource Technology, 2012, 116, 522-525.	4.8	45
59	Microwave-assisted regeneration of activated carbon. Bioresource Technology, 2012, 119, 234-240.	4.8	92
60	Dynamic adsorption behavior of methylene blue onto oil palm shell granular activated carbon prepared by microwave heating. Chemical Engineering Journal, 2012, 203, 81-87.	6.6	59
61	Potential of activated carbon adsorption processes for the remediation of nuclear effluents: a recent literature. Desalination and Water Treatment, 2012, 41, 72-78.	1.0	19
62	Factors affecting the carbon yield and adsorption capability of the mangosteen peel activated carbon prepared by microwave assisted K2CO3 activation. Chemical Engineering Journal, 2012, 180, 66-74.	6.6	162
63	Coconut husk derived activated carbon via microwave induced activation: Effects of activation agents, preparation parameters and adsorption performance. Chemical Engineering Journal, 2012, 184, 57-65.	6.6	251
64	Textural porosity, surface chemistry and adsorptive properties of durian shell derived activated carbon prepared by microwave assisted NaOH activation. Chemical Engineering Journal, 2012, 187, 53-62.	6.6	138
65	A cost effective method for regeneration of durian shell and jackfruit peel activated carbons by microwave irradiation. Chemical Engineering Journal, 2012, 193-194, 404-409.	6.6	65
66	Adsorption characteristics of industrial solid waste derived activated carbon prepared by microwave heating for methylene blue. Fuel Processing Technology, 2012, 99, 103-109.	3.7	89
67	Microwave-assisted preparation and adsorption performance of activated carbon from biodiesel industry solid reside: Influence of operational parameters. Bioresource Technology, 2012, 103, 398-404.	4.8	128
68	Preparation, characterization and evaluation of adsorptive properties of orange peel based activated carbon via microwave induced K2CO3 activation. Bioresource Technology, 2012, 104, 679-686.	4.8	314
69	Mesoporous activated carbon from wood sawdust by K2CO3 activation using microwave heating. Bioresource Technology, 2012, 111, 425-432.	4.8	180
70	Potential of jackfruit peel as precursor for activated carbon prepared by microwave induced NaOH activation. Bioresource Technology, 2012, 112, 143-150.	4.8	148
71	Porous structure and adsorptive properties of pineapple peel based activated carbons prepared via microwave assisted KOH and K2CO3 activation. Microporous and Mesoporous Materials, 2012, 148, 191-195.	2.2	140
72	Utilization of rice husks as a feedstock for preparation of activated carbon by microwave induced KOH and K2CO3 activation. Bioresource Technology, 2011, 102, 9814-9817.	4.8	184

#	Article	IF	Citations
73	Preparation and characterization of activated carbon from sunflower seed oil residue via microwave assisted K2CO3 activation. Bioresource Technology, 2011, 102, 9794-9799.	4.8	101
74	Microwave assisted preparation of activated carbon from pomelo skin for the removal of anionic and cationic dyes. Chemical Engineering Journal, 2011, 173, 385-390.	6.6	149
75	The environmental applications of activated carbon/zeolite composite materials. Advances in Colloid and Interface Science, 2011, 162, 22-28.	7.0	74
76	Microwave-assisted preparation of oil palm fiber activated carbon for methylene blue adsorption. Chemical Engineering Journal, 2011, 166, 792-795.	6.6	125
77	Preparation of activated carbon from date stones by microwave induced chemical activation: Application for methylene blue adsorption. Chemical Engineering Journal, 2011, 170, 338-341.	6.6	137
78	Preparation and characterization of activated carbon from pistachio nut shells via microwave-induced chemical activation. Biomass and Bioenergy, 2011, 35, 3257-3261.	2.9	128
79	Preparation of oil palm (Elaeis) empty fruit bunch activated carbon by microwave-assisted KOH activation for the adsorption of methylene blue. Desalination, 2011, 275, 302-305.	4.0	100
80	Transformation of durian biomass into a highly valuable end commodity: Trends and opportunities. Biomass and Bioenergy, 2011, 35, 2470-2478.	2.9	41
81	Insight into the applications of palm oil mill effluent: A renewable utilization of the industrial agricultural waste. Renewable and Sustainable Energy Reviews, 2010, 14, 1445-1452.	8.2	73
82	Detoxification of pesticide waste via activated carbon adsorption process. Journal of Hazardous Materials, 2010, 175, 1-11.	6.5	235
83	Insights into the modeling of adsorption isotherm systems. Chemical Engineering Journal, 2010, 156, 2-10.	6.6	5,747
84	Decontamination of textile wastewater via TiO2/activated carbon composite materials. Advances in Colloid and Interface Science, 2010, 159, 130-143.	7.0	110
85	An overview of dye removal via activated carbon adsorption process. Desalination and Water Treatment, 2010, 19, 255-274.	1.0	138
86	A short review of activated carbon assisted electrosorption process: An overview, current stage and future prospects. Journal of Hazardous Materials, 2009, 170, 552-559.	6.5	169
87	An overview of landfill leachate treatment via activated carbon adsorption process. Journal of Hazardous Materials, 2009, 171, 54-60.	6.5	450
88	Value-added utilization of oil palm ash: A superior recycling of the industrial agricultural waste. Journal of Hazardous Materials, 2009, 172, 523-531.	6.5	104
89	Utilization of biodiesel waste as a renewable resource for activated carbon: Application to environmental problems. Renewable and Sustainable Energy Reviews, 2009, 13, 2495-2504.	8.2	86
90	Recent developments in the preparation and regeneration of activated carbons by microwaves. Advances in Colloid and Interface Science, 2009, 149, 19-27.	7.0	316

#	Article	IF	Citations
91	Utilization of rice husk ash as novel adsorbent: A judicious recycling of the colloidal agricultural waste. Advances in Colloid and Interface Science, 2009, 152, 39-47.	7.0	186
92	Enhancement of hazardous pesticide uptake, ametryn using an environmentally friendly clay-based adsorbent. , 0, 79, 188-195.		1
93	Evolution of sustainable product service system in the water management practice. , 0, 90, 147-156.		1
94	Acid modified natural clay as a judicious solution for the successive treatment of ametryn. , 0, 103, 270-279.		5
95	Preparation of eco-friendly activated carbon as a refining solution for the adsorptive treatment of analgesic acetaminophen. , 0, 114, 332-340.		2
96	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
97	Potential of natural clay derived functionalized adsorbent for the effective remediation of sanitary landfill leachate. , 0, 175, 164-173.		2