

Gordon McKay

List of Publications by Year in descending order

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29
papers

1,419
citations

394421

19
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

1587
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of activated carbon using low temperature carbonisation and physical activation of high ash raw bagasse for acid dye adsorption. <i>Chemosphere</i> , 2004, 56, 493-501.	8.2	239
2	Equilibrium studies for the adsorption of dyestuffs from aqueous solutions by low-cost materials. <i>Water, Air, and Soil Pollution</i> , 1986, 29, 273-283.	2.4	158
3	Compaction of palm kernel shell biochars for application as solid fuel. <i>Biomass and Bioenergy</i> , 2014, 70, 489-497.	5.7	121
4	A calcium oxide-based catalyst derived from palm kernel shell gasification residues for biodiesel production. <i>Fuel</i> , 2015, 150, 519-525.	6.4	94
5	Production of activated carbon from bamboo scaffolding waste—process design, evaluation and sensitivity analysis. <i>Chemical Engineering Journal</i> , 2005, 109, 147-165.	12.7	93
6	The adsorption of dyes in chitin. III. Intraparticle diffusion processes. <i>Journal of Applied Polymer Science</i> , 1983, 28, 1767-1778.	2.6	80
7	The adsorption of dyes onto chitin in fixed bed columns and batch adsorbers. <i>Journal of Applied Polymer Science</i> , 1984, 29, 1499-1514.	2.6	72
8	Preparation and characterisation of demineralised tyre derived activated carbon. <i>Carbon</i> , 2011, 49, 4674-4687.	10.3	69
9	Simplified model for the equilibrium adsorption of dyes from mixtures using activated carbon. <i>Chemical Engineering and Processing: Process Intensification</i> , 1987, 22, 145-156.	3.6	59
10	Separation of acid-dyes mixture by bamboo derived active carbon. <i>Separation and Purification Technology</i> , 2009, 67, 166-172.	7.9	54
11	Fixed bed adsorption for the removal of pollutants from water. <i>Environmental Pollution</i> , 1990, 66, 33-53.	7.5	49
12	Prediction of binary systems for kinetics of batch adsorption using basic dyes onto activated carbon. <i>Chemical Engineering Science</i> , 1991, 46, 193-204.	3.8	43
13	Adsorption of dyestuffs onto chitin. External mass transfer processes. <i>Journal of Applied Polymer Science</i> , 1982, 27, 4251-4261.	2.6	39
14	Pore diffusion: Dependence of the effective diffusivity on the initial sorbate concentration in single and multicomponent batch adsorption systems. <i>Journal of Chemical Technology and Biotechnology</i> , 1992, 55, 245-250.	3.2	32
15	Elimination of natural organic matter by electrocoagulation using bipolar and monopolar arrangements of iron and aluminum electrodes. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 2125-2134.	3.5	31
16	Two-stage optimisation for malachite green removal using activated date pits. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 727-740.	4.6	30
17	Extended empirical Freundlich isotherm for binary systems: a modified procedure to obtain the correlative constants. <i>Chemical Engineering and Processing: Process Intensification</i> , 1991, 29, 133-138.	3.6	28
18	Prediction of binary component isotherms for adsorption on heterogeneous surfaces. <i>Journal of Chemical Technology and Biotechnology</i> , 1992, 53, 345-352.	3.2	24

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19	Osmotic pressure estimation using the Pitzer equation for forward osmosis modelling. Environmental Technology (United Kingdom), 2020, 41, 2533-2545.	2.2	20
20	Two-resistance mass transfer model for the adsorption of various dyestuffs onto chitin. Journal of Applied Polymer Science, 1985, 30, 4325-4335.	2.6	18
21	Multicomponent Equilibrium Studies for the Adsorption of Basic Dyes from Solution on Lignite. Adsorption, 2005, 11, 255-259.	3.0	16
22	Fixed-Bed Adsorption of Dyes on Bagasse Pith. Adsorption Science and Technology, 1998, 16, 623-639.	3.2	12
23	One Step Carbonization/Activation Process for Carbonaceous Material Preparation from Pecan Shells for Tartrazine Removal and Regeneration after Saturation. Adsorption Science and Technology, 2015, 33, 895-913.	3.2	12
24	Equilibrium adsorption isotherm study of binary basic dyes on to bamboo derived activated carbon. HKIE Transactions, 2017, 24, 182-192.	0.1	7
25	Fine tuning of process parameters for improving briquette production from palm kernel shell gasification waste. Environmental Technology (United Kingdom), 2018, 39, 931-938.	2.2	7
26	Production of high surface area-activated carbons from waste bamboo scaffolding. HKIE Transactions, 2017, 24, 133-140.	0.1	6
27	Adsorption of dyes onto bagasse pith using a solid diffusion model. Journal of Applied Polymer Science, 1988, 36, 43-54.	2.6	3
28	Two resistance mass transfer model for the adsorption of dyes onto Bagasse Pith. Water, Air, and Soil Pollution, 1988, 42, 33.	2.4	3
29	Development of Solutions to Two-Resistance Mass Transport Models Based on External and Pore Diffusion. Part II: Experimental Results. Asia-Pacific Journal of Chemical Engineering, 1993, 1, 146-157.	0.0	0