

# Liliana Giraldo

## List of Publications by Year in descending order

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65  
papers

1,248  
citations

516710

16  
h-index

395702

33  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Solution pH on the Adsorption of Paracetamol on Chemically Modified Activated Carbons. <i>Molecules</i> , 2017, 22, 1032.	3.8	136
2	Removal of emerging contaminants from wastewater using advanced treatments. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1333-1375.	16.2	124
3	Worldwide cases of water pollution by emerging contaminants: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2311-2338.	16.2	117
4	Removal of lead(II) and zinc(II) ions from aqueous solutions by adsorption onto activated carbon synthesized from watermelon shell and walnut shell. <i>Adsorption</i> , 2013, 19, 675-685.	3.0	67
5	CO <sub>2</sub> Adsorption on Activated Carbon Honeycomb-Monoliths: A Comparison of Langmuir and T <sup>3</sup> Models. <i>International Journal of Molecular Sciences</i> , 2012, 13, 8388-8397.	4.1	57
6	Physicochemical Properties of Activated Carbon: Their Effect on the Adsorption of Pharmaceutical Compounds and Adsorbate-Adsorbent Interactions. <i>Journal of Carbon Research</i> , 2018, 4, 62.	2.7	55
7	Equilibrium, kinetics and thermodynamics study of phenols adsorption onto activated carbon obtained from lignocellulosic material ( <i>Eucalyptus Globulus</i> labill seed). <i>Adsorption</i> , 2016, 22, 33-48.	3.0	46
8	Trivalent chromium removal from aqueous solution with physically and chemically modified corncob waste. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 101, 132-141.	5.5	41
9	A rigorous procedure for the design of adsorption units for the removal of cadmium and nickel from process wastewaters. <i>Journal of Cleaner Production</i> , 2014, 77, 35-46.	9.3	37
10	DETERMINATION OF THE IMMERSION ENTHALPY OF ACTIVATED CARBON BY MICROCALORIMETRY OF THE HEAT CONDUCTION. <i>Instrumentation Science and Technology</i> , 2000, 28, 171-178.	1.8	36
11	Adsorption of phenol and 2,4-dinitrophenol on activated carbons with surface modifications. <i>Microporous and Mesoporous Materials</i> , 2015, 209, 150-156.	4.4	35
12	Mechanisms of Methylparaben Adsorption onto Activated Carbons: Removal Tests Supported by a Calorimetric Study of the Adsorbent-Adsorbate Interactions. <i>Molecules</i> , 2019, 24, 413.	3.8	35
13	Activated Carbon Modified with Copper for Adsorption of Propanethiol. <i>International Journal of Molecular Sciences</i> , 2010, 11, 927-942.	4.1	30
14	Thermodynamic analysis of acetaminophen and salicylic acid adsorption onto granular activated carbon: Importance of chemical surface and effect of ionic strength. <i>Thermochimica Acta</i> , 2020, 683, 178467.	2.7	27
15	Adsorption of Pharmaceutical Aromatic Pollutants on Heat-Treated Activated Carbons: Effect of Carbonaceous Structure and the Adsorbent-Adsorbate Interactions. <i>ACS Omega</i> , 2020, 5, 15247-15256.	3.5	25
16	Adsorption of Volatile Carboxylic Acids on Activated Carbon Synthesized from Watermelon Shells. <i>Adsorption Science and Technology</i> , 2014, 32, 227-242.	3.2	17
17	Characterisation of granular activated carbon prepared by activation with CaCl <sub>2</sub> by means of gas adsorption and immersion calorimetry. <i>Adsorption</i> , 2016, 22, 717-723.	3.0	16
18	Production and Characterization of Activated Carbon from Oil-palm Shell for Carboxylic Acid Adsorption. <i>Oriental Journal of Chemistry</i> , 2015, 31, 753-762.	0.3	16

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19	Application of the Sips model to the calculation of maximum adsorption capacity and immersion enthalpy of phenol aqueous solutions on activated carbons. <i>European Journal of Chemistry</i> , 2017, 8, 112-118.	0.6	16
20	Preparation of activated carbons for storage of methane and its study by adsorption calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 259-271.	3.6	15
21	Comparison of the Oxidation of Phenol with Iron and Copper Supported on Activated Carbon from Coconut Shells. <i>Arabian Journal for Science and Engineering</i> , 2013, 38, 49-57.	1.1	14
22	Thermodynamic study of the interactions of salicylic acid and granular activated carbon in solution at different pHs. <i>Adsorption Science and Technology</i> , 2018, 36, 833-850.	3.2	14
23	Parabens Adsorption onto Activated Carbon: Relation with Chemical and Structural Properties. <i>Molecules</i> , 2019, 24, 4313.	3.8	14
24	Insight into adsorbate-adsorbent interactions between aromatic pharmaceutical compounds and activated carbon: equilibrium isotherms and thermodynamic analysis. <i>Adsorption</i> , 2020, 26, 153-163.	3.0	14
25	A Heat Conduction Microcalorimeter for the Determination of the Immersion Heats of Activated Carbon into Phenol Aqueous Solutions. <i>Instrumentation Science and Technology</i> , 2003, 31, 385-397.	1.8	13
26	Preparation and Characterization of Activated Carbon Monoliths with Potential Application as Phenol Adsorbents. <i>E-Journal of Chemistry</i> , 2010, 7, 531-539.	0.5	13
27	Kinetic and thermodynamic study of n-pentane adsorption on activated carbons modified by either carbonization or impregnation with ammonium hydroxide. <i>Microporous and Mesoporous Materials</i> , 2020, 302, 110196.	4.4	13
28	A Study of the Interactions of Activated Carbon-Phenol in Aqueous Solution Using the Determination of Immersion Enthalpy. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 843.	2.5	12
29	Calorimetric study of the immersion enthalpies of activated carbon cloths in different solvents and aqueous solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 547-552.	3.6	11
30	Calorimetric evaluation of activated carbons modified for phenol and 2,4-dinitrophenol adsorption. <i>Adsorption</i> , 2016, 22, 13-21.	3.0	11
31	Study of Hexane Adsorption on Activated Carbons with Differences in Their Surface Chemistry. <i>Molecules</i> , 2018, 23, 476.	3.8	11
32	HEAT CONDUCTION MICRO-CALORIMETER WITH METALLIC REACTION CELL AND IMPROVED HEAT FLUX SENSING SYSTEM. <i>Instrumentation Science and Technology</i> , 2002, 30, 177-186.	1.8	10
33	Oxidation of Carbon Monoxide Over SBA-15-Confined Copper, Palladium and Iridium Nanocatalysts. <i>Catalysis Letters</i> , 2011, 141, 1659-1669.	2.6	10
34	Accessible area and hydrophobicity of activated carbons obtained from the enthalpy characterization. <i>Adsorption</i> , 2016, 22, 3-11.	3.0	9
35	Adsorption of Cd (II) on Modified Granular Activated Carbons: Isotherm and Column Study. <i>Molecules</i> , 2017, 22, 2280.	3.8	9
36	Modified surface chemistry of activated carbons. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 245-251.	3.6	8

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37	Activated carbon from bamboo waste modified with iron and its application in the study of the adsorption of arsenite and arsenate. <i>Open Chemistry</i> , 2013, 11, 160-170.	1.9	8
38	Interaction between Hydrocarbons C <sub>6</sub> and Modified Activated Carbons: Correlation between Adsorption Isotherms and Immersion Enthalpies. <i>ACS Omega</i> , 2019, 4, 19595-19604.	3.5	8
39	Physicochemical Parameters of the Methylparaben Adsorption from Aqueous Solution Onto Activated Carbon and Their Relationship with the Surface Chemistry. <i>ACS Omega</i> , 2021, 6, 8797-8807.	3.5	8
40	Understanding the solid-liquid equilibria between paracetamol and activated carbon: Thermodynamic approach of the interactions adsorbent-adsorbate using equilibrium, kinetic and calorimetry data. <i>Journal of Hazardous Materials</i> , 2021, 419, 126432.	12.4	8
41	Calorimetric study of activated carbons impregnated with CaCl <sub>2</sub> . <i>Open Chemistry</i> , 2015, 13, .	1.9	7
42	Data of preparation and characterization of activated carbon using two activant agents and mango seed as precursor material. <i>Data in Brief</i> , 2019, 27, 104769.	1.0	7
43	Influence of stacked structure of carbons modified on its surface on n-pentane adsorption. <i>Heliyon</i> , 2019, 5, e01156.	3.2	7
44	Granular activated carbons characterization by CO <sub>2</sub> adsorption isotherms and immersion enthalpy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1657-1664.	3.6	6
45	Influence of functionalization, surface area and charge distribution of SBA15-based adsorbents on CO (II) and Ni (II) removal from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103671.	6.7	6
46	Adsorption of n-butylparaben from aqueous solution on surface of modified granular activated carbons prepared from African palm shell. Thermodynamic study of interactions. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103969.	6.7	6
47	Remediation of Emerging Contaminants. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 1-106.	0.5	5
48	Processing of fique bagasse waste into modified biochars for adsorption of caffeine and sodium diclofenac. <i>Brazilian Journal of Chemical Engineering</i> , 2022, 39, 933-948.	1.3	5
49	Comparative calorimetry study of the phenol and acetaminophen adsorption on activated carbon in aqueous solution. <i>Revista Colombiana De Ciencias Químico Farmacéuticas</i> , 2015, 44, 90-106.	0.1	4
50	Data for the synthesis of resorcinol-formaldehyde aerogels in acidic and basic media. <i>Data in Brief</i> , 2017, 12, 409-417.	1.0	3
51	Effect of textural and chemical characteristics of activated carbons on phenol adsorption in aqueous solutions. <i>Polish Journal of Chemical Technology</i> , 2017, 19, 87-93.	0.5	3
52	Emerging Contaminants: Analysis, Aquatic Compartments and Water Pollution. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 1-111.	0.5	3
53	Enthalpic and Liquid-Phase Adsorption Study of Toluene-Cyclohexane and Toluene-Hexane Binary Systems on Modified Activated Carbons. <i>Molecules</i> , 2021, 26, 2839.	3.8	3
54	Textural Characterization and Energetics of Porous Solids by Adsorption Calorimetry. <i>Energies</i> , 2011, 4, 928-947.	3.1	3

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55	Application of Adsorption Microcalorimetry in the Study of Cu(II) Removal Using Magnetic Nanoparticles. <i>Adsorption Science and Technology</i> , 2012, 30, 653-667.	3.2	2
56	Adsorption of CO <sub>2</sub> onto Activated Carbons Prepared by Chemical Activation with Metallic Salts. <i>International Journal of Chemical Reactor Engineering</i> , 2017, 15, .	1.1	2
57	Adsorption of CO <sub>2</sub> onto Activated Carbons Prepared by Chemical Activation with Metallic Salts. <i>International Journal of Chemical Reactor Engineering</i> , 2017, 15, .	1.1	2
58	Dataset of the immersion enthalpy of activated carbons chemically modified in methylparaben aqueous solution: Relation with adsorption. <i>Data in Brief</i> , 2019, 25, 104100.	1.0	2
59	Immersion Enthalpy of Activated Carbonâ€“Cyclohexane and Activated Carbonâ€“Hexane. Difference in the Solidâ€“Liquid Interaction Enthalpy Due to the Structure of the Solvent. <i>Processes</i> , 2019, 7, 180.	2.8	2
60	Physicochemical Characterization of Santa Barbara Amorphous-15 (SBA-15) and Its Functionalization with Polyaniline for Phenol Adsorption. <i>Processes</i> , 2022, 10, 188.	2.8	2
61	AdsorciÃ³n de acetaminofÃ©n sobre carbones activados a diferente pH. EntalpÃ­a y entropÃ­a del proceso. <i>Revista Colombiana De QuÃ­mica</i> , 2018, 47, 54-62.	0.4	1
62	Adsorption calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2577-2595.	3.6	1
63	Immersion Calorimetry for the Characterization of PD Catalysts Supported on Activated Carbon. <i>E-Journal of Chemistry</i> , 2009, 6, 1221-1227.	0.5	0
64	Textural Characteristics and Energetic Parameters of Activated Carbon Monoliths: Experiments and Monte Carlo Simulations. <i>Adsorption Science and Technology</i> , 2011, 29, 637-649.	3.2	0
65	Pharmaceuticals in water: Equilibrium and thermodynamics for adsorption on activated carbon for wastewater treatment. , 2021, , 279-311.		0