

# Juan Carlos Moreno-Pirajan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2337232/publications.pdf>

Version: 2024-02-01

217  
papers

5,108  
citations

126907

33  
h-index

118850

62  
g-index

224  
all docs

224  
docs citations

224  
times ranked

5155  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review of the estimation of the thermodynamic parameters on adsorption equilibria. Wrong use of equilibrium constant in the Van't Hoof equation for calculation of thermodynamic parameters of adsorption. <i>Journal of Molecular Liquids</i> , 2019, 273, 425-434.	4.9	1,105
2	Magnetite nanoparticles for removal of heavy metals from aqueous solutions: synthesis and characterization. <i>Adsorption</i> , 2013, 19, 465-474.	3.0	216
3	Activated carbons by pyrolysis of coffee bean husks in presence of phosphoric acid. <i>Journal of Analytical and Applied Pyrolysis</i> , 2003, 70, 779-784.	5.5	155
4	Effect of Solution pH on the Adsorption of Paracetamol on Chemically Modified Activated Carbons. <i>Molecules</i> , 2017, 22, 1032.	3.8	136
5	Removal of emerging contaminants from wastewater using advanced treatments. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1333-1375.	16.2	124
6	Worldwide cases of water pollution by emerging contaminants: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2311-2338.	16.2	117
7	Removal of Mn, Fe, Ni and Cu Ions from Wastewater Using Cow Bone Charcoal. <i>Materials</i> , 2010, 3, 452-466.	2.9	90
8	The removal and kinetic study of Mn, Fe, Ni and Cu ions from wastewater onto activated carbon from coconut shells. <i>Adsorption</i> , 2011, 17, 505-514.	3.0	83
9	CO <sub>2</sub> adsorption on binderless activated carbon monoliths. <i>Adsorption</i> , 2011, 17, 497-504.	3.0	77
10	Study of adsorption of phenol on activated carbons obtained from eggshells. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 106, 41-47.	5.5	70
11	Activated carbon obtained by pyrolysis of potato peel for the removal of heavy metal copper (II) from aqueous solutions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011, 90, 42-47.	5.5	69
12	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
13	Adsorption of copper from aqueous solution by activated carbons obtained by pyrolysis of cassava peel. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 87, 188-193.	5.5	66
14	Pb(II) and Cr(VI) adsorption from aqueous solution on activated carbons obtained from sugar cane husk and sawdust. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008, 81, 278-284.	5.5	61
15	Chemical modification of activated carbon monoliths for CO <sub>2</sub> adsorption. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 1039-1047.	3.6	60
16	CO <sub>2</sub> Adsorption on Activated Carbon Honeycomb-Monoliths: A Comparison of Langmuir and T <sub>3</sub> Models. <i>International Journal of Molecular Sciences</i> , 2012, 13, 8388-8397.	4.1	57
17	Lipase supported on granular activated carbon and activated carbon cloth as a catalyst in the synthesis of biodiesel fuel. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 66, 166-171.	1.8	56
18	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

#	ARTICLE	IF	CITATIONS
19	Binary system Cu(II)/Pb(II) adsorption on activated carbon obtained by pyrolysis of cow bone study. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 89, 122-128.	5.5	54
20	Adsorption of CO <sub>2</sub> on Activated Carbons Prepared by Chemical Activation with Cupric Nitrate. <i>ACS Omega</i> , 2020, 5, 10423-10432.	3.5	54
21	Effect of the pH in the adsorption and in the immersion enthalpy of monohydroxylated phenols from aqueous solutions on activated carbons. <i>Journal of Hazardous Materials</i> , 2009, 169, 291-296.	12.4	49
22	Use of bone char prepared from an invasive species, pleco fish ( <i>Pterygoplichthys</i> spp.), to remove fluoride and Cadmium(II) in water. <i>Journal of Environmental Management</i> , 2020, 256, 109956.	7.8	49
23	Synthesis of Activated Carbon Mesoporous from Coffee Waste and Its Application in Adsorption Zinc and Mercury Ions from Aqueous Solution. <i>E-Journal of Chemistry</i> , 2012, 9, 938-948.	0.5	48
24	Kinetic Study of the Bioadsorption of Methylene Blue on the Surface of the Biomass Obtained from the Algae <i>D. antarctica</i> . <i>Journal of Chemistry</i> , 2018, 2018, 1-12.	1.9	48
25	Equilibrium, kinetics and thermodynamics study of phenols adsorption onto activated carbon obtained from lignocellulosic material ( <i>Eucalyptus Globulus labill</i> seed). <i>Adsorption</i> , 2016, 22, 33-48.	3.0	46
26	Study of immobilized candida rugosa lipase for biodiesel fuel production from palm oil by flow microcalorimetry. <i>Arabian Journal of Chemistry</i> , 2011, 4, 55-62.	4.9	42
27	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
28	Simple and Competitive Adsorption Study of Nickel(II) and Chromium(III) on the Surface of the Brown Algae <i>Durvillaea antarctica</i> Biomass. <i>ACS Omega</i> , 2019, 4, 18147-18158.	3.5	41
29	Heavy Metal Ions Adsorption from Wastewater Using Activated Carbon from Orange Peel. <i>E-Journal of Chemistry</i> , 2012, 9, 926-937.	0.5	38
30	Carbon dioxide and methane adsorption at high pressure on activated carbon materials. <i>Adsorption</i> , 2013, 19, 1075-1082.	3.0	37
31	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
32	Thermodynamic Study of Adsorption of Phenol, 4-Chlorophenol, and 4-Nitrophenol on Activated Carbon Obtained from Eucalyptus Seed. <i>Journal of Chemistry</i> , 2015, 2015, 1-12.	1.9	37
33	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
34	CO <sub>2</sub> adsorption on granular and monolith carbonaceous materials. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 96, 146-152.	5.5	35
35	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
36	Isosteric Heat: Comparative Study between Clausius-Clapeyron, CSK and Adsorption Calorimetry Methods. <i>Processes</i> , 2019, 7, 203.	2.8	35

#	ARTICLE	IF	CITATIONS
37	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
38	Study of activated carbons by pyrolysis of cassava peel in the presence of chloride zinc. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 87, 288-290.	5.5	32
39	Study of CO <sub>2</sub> Adsorption on Chemically Modified Activated Carbon With Nitric Acid and Ammonium Aqueous. <i>Frontiers in Chemistry</i> , 2020, 8, 543452.	3.6	32
40	Activated Carbon Modified with Copper for Adsorption of Propanethiol. <i>International Journal of Molecular Sciences</i> , 2010, 11, 927-942.	4.1	30
41	Kinetic and Equilibrium Study of the Adsorption of CO <sub>2</sub> in Ultramicropores of Resorcinol-Formaldehyde Aerogels Obtained in Acidic and Basic Medium. <i>Journal of Carbon Research</i> , 2018, 4, 52.	2.7	30
42	Preparation and Characterization of Graphene Oxide for Pb(II) and Zn(II) Ions Adsorption from Aqueous Solution: Experimental, Thermodynamic and Kinetic Study. <i>Nanomaterials</i> , 2020, 10, 1022.	4.1	30
43	Lipase supported on mesoporous materials as a catalyst in the synthesis of biodiesel from Persea americana mill oil. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 77, 32-38.	1.8	29
44	Activated carbons obtained from agro-industrial waste: textural analysis and adsorption environmental pollutants. <i>Adsorption</i> , 2016, 22, 23-31.	3.0	29
45	Mechanisms of Cu <sup>2+</sup> biosorption on <i>Lessonia nigrescens</i> dead biomass: Functional groups interactions and morphological characterization. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2696-2704.	6.7	28
46	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
47	Adsorption microcalorimetry applied to the characterisation of adsorbents for CO <sub>2</sub> capture. <i>Canadian Journal of Chemical Engineering</i> , 2012, 90, 1372-1380.	1.7	25
48	Preparation and characterization of activated carbon for hydrogen storage from waste African oil-palm by microwave-induced LiOH basic activation. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 107, 82-86.	5.5	25
49	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
50	Biochar from Figue Bagasse for Remotion of Caffeine and Diclofenac from Aqueous Solution. <i>Molecules</i> , 2020, 25, 1849.	3.8	24
51	Characterization of copper (II) biosorption by brown algae <i>Durvillaea antarctica</i> dead biomass. <i>Adsorption</i> , 2015, 21, 645-658.	3.0	23
52	Calorimetric determination of activated carbons in aqueous solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 89, 589-594.	3.6	21
53	A new microcalorimeter of adsorption for the determination of differential enthalpies. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 239-245.	4.4	21
54	Equilibrium and Dynamic CO <sub>2</sub> Adsorption on Activated Carbon Honeycomb Monoliths. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 7898-7905.	3.7	21

#	ARTICLE	IF	CITATIONS
55	Sustainable production of nanoporous carbons: Kinetics and equilibrium studies in the removal of atrazine. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 252-267.	9.4	20
56	A batch-type heat conduction microcalorimeter for immersion heat determinations: design, calibration and applications. <i>Thermochimica Acta</i> , 1997, 290, 1-12.	2.7	19
57	Carbon molecular sieves from carbon cloth: Influence of the chemical impregnant on gas separation properties. <i>Applied Surface Science</i> , 2010, 256, 5221-5225.	6.1	19
58	Adsorption micro calorimeter. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 711-715.	3.6	17
59	Preparation of activated carbons from seeds of <i>Mucuna mutisiana</i> by physical activation with steam. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 89, 307-312.	5.5	17
60	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
61	Adsorption of Triton X-100 in aqueous solution on activated carbon obtained from waste tires for wastewater decontamination. <i>Adsorption</i> , 2020, 26, 303-316.	3.0	17
62	Study of Mercury [Hg(II)] Adsorption from Aqueous Solution on Functionalized Activated Carbon. <i>ACS Omega</i> , 2021, 6, 11849-11856.	3.5	17
63	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
64	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
65	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
66	Setups for simultaneous measurement of isotherms and adsorption heats. <i>Review of Scientific Instruments</i> , 2005, 76, 054103.	1.3	15
67	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
68	Thermodynamic study of adsorption of nickel ions onto carbon aerogels. <i>Heliyon</i> , 2019, 5, e01789.	3.2	15
69	Adsorption and Photocatalytic Study of Phenol Using Composites of Activated Carbon Prepared from Onion Leaves ( <i>Allium fistulosum</i> ) and Metallic Oxides (ZnO and TiO <sub>2</sub> ). <i>Catalysts</i> , 2020, 10, 574.	3.5	15
70	Energetic changes in the surface of activated carbons and relationship with Ni(II) adsorption from aqueous solution. <i>Applied Surface Science</i> , 2013, 286, 351-357.	6.1	14
71	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
72	Relation between immersion enthalpies of activated carbons in different liquids, textural properties, and phenol adsorption. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 1517-1523.	3.6	14

#	ARTICLE	IF	CITATIONS
73	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
74	CO <sub>2</sub> adsorption on activated carbon prepared from mangosteen peel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 337-354.	3.6	14
75	Parabens Adsorption onto Activated Carbon: Relation with Chemical and Structural Properties. <i>Molecules</i> , 2019, 24, 4313.	3.8	14
76	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
77	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
78	Synthesis of Activated Carbon Honeycomb Monoliths under Different Conditions for the Adsorption of Methane. <i>Adsorption Science and Technology</i> , 2009, 27, 255-265.	3.2	13
79	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
80	Activated Carbon Prepared From Orange Peels Coated With Titanium Oxide Nanoparticles: Characterization and Applications in the Decomposition of NO <sub>x</sub> . <i>Oriental Journal of Chemistry</i> , 2014, 30, 451-461.	0.3	13
81	Vapour Phase Hydrogenation of Phenol over Rhodium on SBA-15 and SBA-16. <i>Molecules</i> , 2014, 19, 20594-20612.	3.8	13
82	Enthalpies of immersion in benzene, cyclohexane and water of granular activated carbons prepared by chemical activation with solutions of MgCl <sub>2</sub> and CaCl <sub>2</sub> . <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 1279-1285.	3.6	13
83	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
84	Bone Char from an Invasive Aquatic Specie as a Green Adsorbent for Fluoride Removal in Drinking Water. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	13
85	Immersion enthalpy of carbonaceous samples in aqueous solutions of monohydroxylated phenols. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 853-857.	3.6	12
86	Synthesis, Characterization, and Application in the CO Oxidation over a Copper Nanocatalyst Confined in SBA-15. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 1167-1173.	1.9	12
87	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
88	Dataset for effect of pH on caffeine and diclofenac adsorption from aqueous solution onto fique bagasse biochars. <i>Data in Brief</i> , 2019, 25, 104111.	1.0	12
89	Effect of copper (ii) biosorption over light metal cation desorption in the surface of macrocystis pyrifera biomass. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103729.	6.7	12
90	Caffeine Adsorption by Fique Bagasse Biochar Produced at Various Pyrolysis Temperatures. <i>Oriental Journal of Chemistry</i> , 2019, 35, 538-546.	0.3	12

#	ARTICLE	IF	CITATIONS
91	A Heat-Conduction Flow Microcalorimeter for Solute Transfer Enthalpy Determinations. Design And Calibration. Instrumentation Science and Technology, 1998, 26, 521-531.	1.8	11
92	Calorimetric study of the immersion enthalpies of activated carbon cloths in different solvents and aqueous solutions. Journal of Thermal Analysis and Calorimetry, 2009, 96, 547-552.	3.6	11
93	Characterization of Mordenite-Supported Pd, Pt, and Ir Determined by CO Adsorption Microcalorimetry and the Dehydrogenation Reaction of C3 Alkanes. Topics in Catalysis, 2011, 54, 146-152.	2.8	11
94	Exploring the use of rachis of chicken feathers for hydrogen storage. Journal of Analytical and Applied Pyrolysis, 2013, 104, 243-248.	5.5	11
95	Calorimetric evaluation of activated carbons modified for phenol and 2,4-dinitrophenol adsorption. Adsorption, 2016, 22, 13-21.	3.0	11
96	Study of Hexane Adsorption on Activated Carbons with Differences in Their Surface Chemistry. Molecules, 2018, 23, 476.	3.8	11
97	Synthesis of HMOR and HZSM-5 and their Behaviour in the Catalytic Conversion of Methanol to Propylene (MTP). Journal of Thermodynamics & Catalysis, 2010, 01, .	0.2	11
98	Kinetic Study of Waste Tire Pyrolysis Using Thermogravimetric Analysis. ACS Omega, 2022, 7, 16298-16305.	3.5	11
99	HEAT CONDUCTION MICRO-CALORIMETER WITH METALLIC REACTION CELL AND IMPROVED HEAT FLUX SENSING SYSTEM. Instrumentation Science and Technology, 2002, 30, 177-186.	1.8	10
100	Oxidation of Carbon Monoxide Over SBA-15-Confined Copper, Palladium and Iridium Nanocatalysts. Catalysis Letters, 2011, 141, 1659-1669.	2.6	10
101	Relation Between the Adsorbed Quantity and the Immersion Enthalpy in Catechol Aqueous Solutions on Activated Carbons. International Journal of Molecular Sciences, 2012, 13, 44-55.	4.1	10
102	Calorimetric study of the CO <sub>2</sub> adsorption on carbon materials. Journal of Thermal Analysis and Calorimetry, 2014, 117, 1299-1309.	3.6	10
103	Adsorption calorimetry: Energetic characterisation of the surface of mesoporous silicas and their adsorption capacity of non-linear chain alcohols. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 496, 100-113.	4.7	10
104	Initial Approximation to the Design and Construction of a Photocatalysis Reactor for Phenol Degradation with TiO <sub>2</sub> Nanoparticles. ACS Omega, 2019, 4, 19605-19613.	3.5	10
105	Study of Adsorption of CO <sub>2</sub> and CH <sub>4</sub> on Resorcinol-Formaldehyde Aerogels at High Pressures. Journal of Chemical & Engineering Data, 2019, 64, 5263-5274.	1.9	10
106	Immersion enthalpy of benzene/cyclohexane and toluene/cyclohexane binary mixtures into modified activated carbons. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2565-2575.	3.6	10
107	Removal of metal ions Cd(II), Cr(VI) and Ni(II) from aqueous solution using an organic aerogel and carbon aerogel obtained by acid catalysis. Materials Express, 2020, 10, 127-139.	0.5	10
108	Enthalpies of Immersion in Caffeine and Glyphosate Aqueous Solutions of SBA-15 and Amino-Functionalized SBA-15. ACS Omega, 2021, 6, 21339-21349.	3.5	10



#	ARTICLE	IF	CITATIONS
109	Adsorption Microcalorimeter and its Software: Design for the Establishment of Parameters Corresponding to Different Models of Adsorption Isotherms. <i>Instrumentation Science and Technology</i> , 2005, 33, 645-659.	1.8	9
110	Preparation of carbon monoliths from orange peel for NO <sub>x</sub> retention. <i>Oriental Journal of Chemistry</i> , 2014, 30, 1517-1528.	0.3	9
111	Accessible area and hydrophobicity of activated carbons obtained from the enthalpy characterization. <i>Adsorption</i> , 2016, 22, 3-11.	3.0	9
112	Adsorption of Cd (II) on Modified Granular Activated Carbons: Isotherm and Column Study. <i>Molecules</i> , 2017, 22, 2280.	3.8	9
113	A microcalorimetric study of methane adsorption on activated carbons obtained from mangosteen peel at different conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 525-541.	3.6	9
114	Dataset on adsorption of phenol onto activated carbons: Equilibrium, kinetics and mechanism of adsorption. <i>Data in Brief</i> , 2020, 32, 106312.	1.0	9
115	Design, synthesis and characterization of MOF-199 and ZIF-8: Applications in the adsorption of phenols derivatives in aqueous solution. <i>European Journal of Chemistry</i> , 2017, 8, 293-304.	0.6	9
116	Stabilization/solidification of ashes in clays used in the manufacturing of ceramic bricks. <i>Waste Management and Research</i> , 2007, 25, 352-362.	3.9	8
117	Variation of the noise levels in the baseline of an adsorption microcalorimeter. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 97, 705-709.	3.6	8
118	Relación entre la entalpía de inmersión de monolitos de carbon activado y parametros texturales. <i>Quimica Nova</i> , 2011, 34, 196-199.	0.3	8
119	Modified surface chemistry of activated carbons. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 245-251.	3.6	8
120	Contribution enthalpic in the interaction of activated carbon with polar and apolar solvents. <i>Arabian Journal of Chemistry</i> , 2013, 6, 347-351.	4.9	8
121	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
122	Study of CO <sub>2</sub> adsorption in functionalized carbon. <i>Adsorption</i> , 2013, 19, 323-329.	3.0	8
123	Carboxylic acid recovery from aqueous solutions by activated carbon produced from sugarcane bagasse. <i>Adsorption</i> , 2014, 20, 935-943.	3.0	8
124	Calorimetric study of amino-functionalised SBA-15. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 127-134.	3.6	8
125	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
126	Thermodynamic study of triclosan adsorption from aqueous solutions on activated carbon. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 913-921.	3.6	8



#	ARTICLE	IF	CITATIONS
127	Physicochemical Parameters of the Methylparaben Adsorption from Aqueous Solution Onto Activated Carbon and Their Relationship with the Surface Chemistry. ACS Omega, 2021, 6, 8797-8807.	3.5	8
128	Understanding the solid-liquid equilibria between paracetamol and activated carbon: Thermodynamic approach of the interactions adsorbent-adsorbate using equilibrium, kinetic and calorimetry data. Journal of Hazardous Materials, 2021, 419, 126432.	12.4	8
129	Influence of Thermal Insulation of the Surroundings on the Response of the Output Electric Signal in a Heat Conduction Calorimetric Unit. Instrumentation Science and Technology, 2005, 33, 415-425.	1.8	7
130	Design, Calibration, and Testing of a New Tian-Calvet Heat-Flow Microcalorimeter for Measurement of Differential Heats of Adsorption. Instrumentation Science and Technology, 2008, 36, 455-475.	1.8	7
131	Calorimetric study of activated carbons impregnated with CaCl <sub>2</sub> . Open Chemistry, 2015, 13, .	1.9	7
132	Comparison of PSD of carbon aerogels obtained by QSDFT and immersion calorimetry at different resorcinol/catalyst ratio. Microporous and Mesoporous Materials, 2017, 248, 164-172.	4.4	7
133	Data of preparation and characterization of activated carbon using two activant agents and mango seed as precursor material. Data in Brief, 2019, 27, 104769.	1.0	7
134	Influence of stacked structure of carbons modified on its surface on n-pentane adsorption. Heliyon, 2019, 5, e01156.	3.2	7
135	Graphene Oxide: Study of Pore Size Distribution and Surface Chemistry Using Immersion Calorimetry. Nanomaterials, 2020, 10, 1492.	4.1	7
136	Heat of Adsorption: A Comparative Study between the Experimental Determination and Theoretical Models Using the System CH <sub>4</sub> -MOFs. Journal of Chemical & Engineering Data, 2020, 65, 3130-3145.	1.9	7
137	Regeneration of activated carbon by applying the phenolic degrading fungus Scenedosporium apiospermum. Journal of Environmental Chemical Engineering, 2020, 8, 103691.	6.7	7
138	The Cramer's rule for the parametrization of phenol and its hydroxylated byproducts: UV spectroscopy vs. high performance liquid chromatography. Environmental Science and Pollution Research, 2021, 28, 6746-6757.	5.3	7
139	Relation between immersion enthalpy and the acidity of clay pillared minerals. Journal of Thermal Analysis and Calorimetry, 2008, 92, 899-904.	3.6	6
140	Design and Construction of Equipment to Make Adsorption at Pilot Plant Scale of Heavy Metals. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2008, 63, 453-461.	1.5	6
141	Nickel(II) Ion Adsorption onto Activated Carbon. Relationship between Physicochemical Properties and Adsorption Capacity. Adsorption Science and Technology, 2011, 29, 541-551.	3.2	6
142	Design, construction, and calibration of an isothermal titration calorimeter and its application in the study of the adsorption of phenolic compounds. Review of Scientific Instruments, 2012, 83, 015117.	1.3	6
143	Immersion Calorimetry Applied to the Study of the Adsorption of Phenolic Derivatives onto Activated Carbon Obtained by Pyrolysis of Potato Peel. Materials Express, 2012, 2, 121-129.	0.5	6
144	Granular activated carbons characterization by CO <sub>2</sub> adsorption isotherms and immersion enthalpy. Journal of Thermal Analysis and Calorimetry, 2015, 120, 1657-1664.	3.6	6

#	ARTICLE	IF	CITATIONS
145	Nanoparticles size distribution and phenol photodegradation with TiO <sub>2</sub> /C support obtained by phosphoric acid activation of palm kernel shell. <i>Microporous and Mesoporous Materials</i> , 2020, 304, 109325.	4.4	6
146	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
147	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
148	Calorimetric study of mesoporous solids at room temperature. <i>Microporous and Mesoporous Materials</i> , 2012, 156, 45-50.	4.4	5
149	Calorimetric Study of Mesoporous SBA-15 Modified for Controlled Valproic Acid Delivery. <i>Journal of Chemistry</i> , 2013, 2013, 1-11.	1.9	5
150	A comparison of the energetic interactions in the adsorption of Co(II) from aqueous solution on SBA-15 and chemically modified activated carbons. <i>Adsorption</i> , 2015, 21, 623-632.	3.0	5
151	Calorimetric study of functionalized carbonaceous materials. <i>Thermochimica Acta</i> , 2015, 611, 20-25.	2.7	5
152	A new methodology to determine the effect of the adsorbate-adsorbent interactions on the analgesic adsorption onto activated carbon using kinetic and calorimetry data. <i>Environmental Science and Pollution Research</i> , 2020, 27, 36639-36650.	5.3	5
153	Remediation of Emerging Contaminants. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 1-106.	0.5	5
154	Activated Carbon from Corncobs Doped with RuO <sub>2</sub> as Biobased Electrode Material. <i>Electronic Materials</i> , 2021, 2, 324-343.	1.9	5
155	Study of Carbon Foams Synthesized by the Pyrolysis of Wastes Coconut Shells of African Palm at Different Conditions and use of Immersion Calorimetry as a Tool for Characterization. <i>Oriental Journal of Chemistry</i> , 2013, 29, 877-887.	0.3	5
156	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
157	Graphene-based materials: analysis through calorimetric techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	5
158	Biogenic Hydroxyapatite Obtained from Bone Wastes Using CO <sub>2</sub> -Assisted Pyrolysis and Its Interaction with Glyphosate: A Computational and Experimental Study. <i>ACS Omega</i> , 2022, 7, 23265-23275.	3.5	5
159	Applicability of the Stoekli-Bansal-Donnet Equation for the Determination of Total Area of Active Carbons by Microcalorimetry of Immersion. <i>Instrumentation Science and Technology</i> , 1998, 26, 533-541.	1.8	4
160	Isoperibolic Calorimetric Cell with Electronic Integrator Circuit for Temperature Measurement. <i>Instrumentation Science and Technology</i> , 2005, 33, 61-71.	1.8	4
161	Enthalpic characterization of activated carbons obtained from <i>Mucuna Mutisiana</i> with different burn-offs. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 1105-1109.	3.6	4
162	Study of Activated Carbons by Pyrolysis of <i>Mangifera Indica</i> Seed (Mango) in Presence of Sodium and Potassium Hydroxide. <i>E-Journal of Chemistry</i> , 2012, 9, 780-785.	0.5	4

#	ARTICLE	IF	CITATIONS
163	Adsorption microcalorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 245-255.	3.6	4
164	CARACTERIZACIÓN TEXTURAL Y QUÍMICA DE CARBONES ACTIVADOS PREPARADOS A PARTIR DE CUESCO DE PALMA AFRICANA (ELAEIS GUINEENSIS) POR ACTIVACIÓN QUÍMICA CON CaCl <sub>2</sub> y MgCl <sub>2</sub> . <i>Revista Colombiana De Química</i> , 2016, 44, 18-24.	0.4	4
165	Enthalpic Contribution of Ni(II) in the Interaction between Carbonaceous Material and Aqueous Solution. <i>Journal of Chemistry</i> , 2017, 2017, 1-7.	1.9	4
166	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
167	Data for the synthesis, characterization, and use of xerogels as adsorbents for the removal of fluoride and bromide in aqueous phase. <i>Data in Brief</i> , 2022, 42, 108138.	1.0	4
168	Design, Calibration, and Test of a New Dissolution Isoperibol Microcalorimeter. <i>Instrumentation Science and Technology</i> , 2007, 35, 453-463.	1.8	3
169	Isoperibolic Titration Calorimetry as a Tool for the Prediction of Thermodynamic Properties of Cyclodextrins. <i>Energies</i> , 2008, 1, 93-104.	3.1	3
170	Immersion enthalpy and the constants of Langmuir model in the 3-chloro phenol adsorption on activated carbon. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 695-700.	3.6	3
171	Preparation and Characterization of Textural and Energetic Parameters of Common and Functionalized SBA-15 Mesoporous Silicas. <i>Adsorption Science and Technology</i> , 2010, 28, 387-396.	3.2	3
172	Determination of partial immersion enthalpy in the interaction of water and activated carbon. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 555-559.	3.6	3
173	Determination of Energy Characteristic and Microporous Volume by Immersion Calorimetry in Carbon Monoliths. <i>E-Journal of Chemistry</i> , 2012, 9, 650-658.	0.5	3
174	Study of 2,4-dinitrophenol adsorption from aqueous solution on bovine bone char. <i>International Journal of Environment and Pollution</i> , 2013, 52, 52.	0.2	3
175	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
176	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
177	Comparative Study of Toluene and Hexane Adsorption on Activated Carbons From Gas and Liquid Phase. Enthalpy and Isotherms. <i>Frontiers in Environmental Chemistry</i> , 2020, 1, .	1.6	3
178	Emerging Contaminants: Analysis, Aquatic Compartments and Water Pollution. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 1-111.	0.5	3
179	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
180	Textural Characterization and Energetics of Porous Solids by Adsorption Calorimetry. <i>Energies</i> , 2011, 4, 928-947.	3.1	3

#	ARTICLE	IF	CITATIONS
181	THERMAL AND ELECTRIC CHARACTERIZATION OF THE SENSOR SYSTEM IN THE MICROCALORIMETRY OF HEAT CONDUCTION. <i>Instrumentation Science and Technology</i> , 2000, 28, 223-231.	1.8	2
182	MICROCALORIMETRIC DETERMINATION OF THE GLOBAL HEAT GENERATED BETWEEN DRY YEAST USED FOR ELABORATION OF BREAD AND SUCROSE, GLUCOSE, AND FRUCTOSE SOLUTIONS. <i>Instrumentation Science and Technology</i> , 2001, 29, 329-338.	1.8	2
183	New mixing system in dissolution isoperibol microcalorimeter. <i>Review of Scientific Instruments</i> , 2007, 78, 046105.	1.3	2
184	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
185	Study of the Structures of Carbon Foams Synthesized Using Non-Ionic Surfactants. <i>Adsorption Science and Technology</i> , 2012, 30, 117-126.	3.2	2
186	Activated Carbon for CO <sub>2</sub> Adsorption Obtained through the Chemical Activation of African Palm Stone. <i>Adsorption Science and Technology</i> , 2013, 31, 845-857.	3.2	2
187	Immersion enthalpies in different liquids of activated carbons modified by surface chemistry. <i>Materials Express</i> , 2015, 5, 233-240.	0.5	2
188	Calorimetric study of adsorption of alcohols on silicas. <i>Adsorption</i> , 2016, 22, 813-824.	3.0	2
189	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
190	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
191	Biodiesel Synthesis: Use of Activated Carbon as Support of the Catalysts. <i>Biofuel and Biorefinery Technologies</i> , 2018, , 117-152.	0.3	2
192	Calorimetry of Immersion in the Energetic Characterization of Porous Solids. , 2018, , .		2
193	Dataset of xerogel synthesis in basic medium at different resorcinol/catalyst ratios. <i>Data in Brief</i> , 2018, 17, 1056-1061.	1.0	2
194	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
195	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
196	Data of the immersion enthalpy of activated carbon in benzene and cyclohexane. Influence of the content of surface oxygenated groups. <i>Data in Brief</i> , 2019, 22, 83-89.	1.0	2
197	Enthalpic characterization of activated carbons with different surface chemistry with organic solvents and water. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 1511-1522.	3.6	2
198	Preparation and calorimetry characterization of nitrogen-enriched activated carbons and their application in the removal of carbon dioxide. <i>European Journal of Chemistry</i> , 2017, 8, 130-136.	0.6	2

#	ARTICLE	IF	CITATIONS
199	Carbon Aerogels: a study with different models of the effect resorcinol/catalyst at different ratios after pyrolysis and the effect on textural properties. <i>European Journal of Chemistry</i> , 2017, 8, 279-287.	0.6	2
200	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
201	APPLICATION OF A HEAT CONDUCTION FLOW MICROCALORIMETRY IN THE DETERMINATION OF THE TRANSFER ENTHALPIES OF ALCOHOLS FROM CYCLOHEXANE TO WATER. <i>Instrumentation Science and Technology</i> , 2000, 28, 163-169.	1.8	1
202	Preliminary Exploration of the Behavior of Conduction Calorimetric Cells in the Determination of the Caloric Value of Municipal Solid Waste. <i>Instrumentation Science and Technology</i> , 2004, 32, 139-152.	1.8	1
203	Characterization of the Adsorption of 2,4-Dinitrophenol from Aqueous Solution onto Bovine Bone Char by Immersion Calorimetry. <i>Adsorption Science and Technology</i> , 2010, 28, 789-796.	3.2	1
204	Microcalorimetric Study of the Catalytic Properties of SBA-15 Modified with Cu or Fe for Adsorption/oxidation of Methyl mercaptane. <i>Oriental Journal of Chemistry</i> , 2013, 29, 1297-1309.	0.3	1
205	Adsorción de acetaminofén sobre carbones activados a diferente pH. Entalpía y entropía del proceso. <i>Revista Colombiana De Química</i> , 2018, 47, 54-62.	0.4	1
206	Adsorption calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2577-2595.	3.6	1
207	Immersion enthalpy of activated carbons with different oxygen content in toluene-hexane mixtures. <i>Journal of Molecular Liquids</i> , 2020, 310, 113140.	4.9	1
208	ADAPTATION OF CONDUCTION CYLINDERS TO AN ISOPERIBOLIC IMMERSION CALORIMETER TO OBTAIN A HEAT CONDUCTION CALORIMETER. <i>Instrumentation Science and Technology</i> , 2001, 29, 25-33.	1.8	0
209	Modification and Use of Hoffman Brick Furnaces in the Incineration of Urban Solid Wastes and Evaluation of Their Polluting Emissions. <i>Instrumentation Science and Technology</i> , 2004, 32, 669-680.	1.8	0
210	Design and Construction of a Cell to Model the Stabilization of Toxic Waste Solids to Residuals by Means of an Encapsulated Process. <i>Instrumentation Science and Technology</i> , 2005, 33, 87-99.	1.8	0
211	Colombian inventory of dioxin and furan release vectors and sources for 2002. <i>International Journal of Environmental Studies</i> , 2007, 64, 109-130.	1.6	0
212	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
213	Water Depollution Using Activated Carbons from Aerogels and Bones. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 183-226.	0.5	0
214	Pharmaceuticals in water: Equilibrium and thermodynamics for adsorption on activated carbon for wastewater treatment. , 2021, , 279-311.		0
215	Calorimetric evaluation of activated carbons prepared by chemical activation. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	0
216	The Immersion Calorimetry as a Tool to Study of the Adsorbate-Adsorbent Interactions on the Adsorption of Emerging Pollutants onto Activated Carbon from Water: Case Methylparaben and Paracetamol. <i>Engineering Materials</i> , 2021, , 217-246.	0.6	0

#	ARTICLE	IF	CITATIONS
217	Estudio de la adsorción de 4-nitrofenol desde solución acuosa sobre un carbón activado con heteroátomos nitrogenados en la superficie. Aplicación del modelo de Sips. Revista Colombiana De Química, 2018, 47, 27-33.	0.4	0