

Juan Carlos Moreno-Pirajan

List of Publications by Year in descending order

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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	Processing of fique bagasse waste into modified biochars for adsorption of caffeine and sodium diclofenac. Brazilian Journal of Chemical Engineering, 2022, 39, 933-948.	1.3	5
2	Physicochemical Characterization of Santa Barbara Amorphous-15 (SBA-15) and Its Functionalization with Polyaniline for Phenol Adsorption. Processes, 2022, 10, 188.	2.8	2
3	Removal of emerging contaminants from wastewater using advanced treatments. A review. Environmental Chemistry Letters, 2022, 20, 1333-1375.	16.2	124
4	Data for the synthesis, characterization, and use of xerogels as adsorbents for the removal of fluoride and bromide in aqueous phase. Data in Brief, 2022, 42, 108138.	1.0	4
5	Worldwide cases of water pollution by emerging contaminants: a review. Environmental Chemistry Letters, 2022, 20, 2311-2338.	16.2	117
6	Kinetic Study of Waste Tire Pyrolysis Using Thermogravimetric Analysis. ACS Omega, 2022, 7, 16298-16305.	3.5	11
7	Biogenic Hydroxyapatite Obtained from Bone Wastes Using CO ₂ -Assisted Pyrolysis and Its Interaction with Glyphosate: A Computational and Experimental Study. ACS Omega, 2022, 7, 23265-23275.	3.5	5
8	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
9	Emerging Contaminants: Analysis, Aquatic Compartments and Water Pollution. Environmental Chemistry for A Sustainable World, 2021, , 1-111.	0.5	3
10	Remediation of Emerging Contaminants. Environmental Chemistry for A Sustainable World, 2021, , 1-106.	0.5	5
11	Pharmaceuticals in water: Equilibrium and thermodynamics for adsorption on activated carbon for wastewater treatment. , 2021, , 279-311.		0
12	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
13	Study of Mercury [Hg(II)] Adsorption from Aqueous Solution on Functionalized Activated Carbon. ACS Omega, 2021, 6, 11849-11856.	3.5	17
14	Enthalpic and Liquid-Phase Adsorption Study of Toluene-Cyclohexane and Toluene-Hexane Binary Systems on Modified Activated Carbons. Molecules, 2021, 26, 2839.	3.8	3
15	Bone Char from an Invasive Aquatic Specie as a Green Adsorbent for Fluoride Removal in Drinking Water. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	13
16	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
17	Activated Carbon from Corncobs Doped with RuO ₂ as Biobased Electrode Material. Electronic Materials, 2021, 2, 324-343.	1.9	5
18	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

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19	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
20	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
21	Nanoparticles size distribution and phenol photodegradation with TiO ₂ /C support obtained by phosphoric acid activation of palm kernel shell. <i>Microporous and Mesoporous Materials</i> , 2020, 304, 109325.	4.4	6
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Study of CO ₂ Adsorption on Chemically Modified Activated Carbon With Nitric Acid and Ammonium Aqueous. <i>Frontiers in Chemistry</i> , 2020, 8, 543452.	3.6	32
30	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
31	Graphene Oxide: Study of Pore Size Distribution and Surface Chemistry Using Immersion Calorimetry. <i>Nanomaterials</i> , 2020, 10, 1492.	4.1	7
32	Adsorption of CO ₂ on Activated Carbons Prepared by Chemical Activation with Cupric Nitrate. <i>ACS Omega</i> , 2020, 5, 10423-10432.	3.5	54
33	Heat of Adsorption: A Comparative Study between the Experimental Determination and Theoretical Models Using the System CH ₄ -MOFs. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 3130-3145.	1.9	7
34	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 ₂). <i>Catalysts</i> , 2020, 10, 574.	3.5	15
35	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
36	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

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37	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
38	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. <i>Materials Express</i> , 2020, 10, 127-139.	0.5	10
39	Regeneration of activated carbon by applying the phenolic degrading fungus <i>Scenedosporium apiospermum</i> . <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103691.	6.7	7
40	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
41	Effect of copper (ii) biosorption over light metal cation desorption in the surface of <i>macrocyctis pyrifera</i> biomass. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103729.	6.7	12
42	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
43	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
44	Biochar from Fique Bagasse for Remotion of Caffeine and Diclofenac from Aqueous Solution. <i>Molecules</i> , 2020, 25, 1849.	3.8	24
45	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
46	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
47	Adsorption calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2577-2595.	3.6	1
48	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
49	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
50	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
51	Interaction between Hydrocarbons C ₆ and Modified Activated Carbons: Correlation between Adsorption Isotherms and Immersion Enthalpies. <i>ACS Omega</i> , 2019, 4, 19595-19604.	3.5	8
52	Initial Approximation to the Design and Construction of a Photocatalysis Reactor for Phenol Degradation with TiO ₂ Nanoparticles. <i>ACS Omega</i> , 2019, 4, 19605-19613.	3.5	10
53	Study of Adsorption of CO ₂ and CH ₄ on Resorcinol-Formaldehyde Aerogels at High Pressures. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 5263-5274.	1.9	10
54	Immersion enthalpy of benzene/cyclohexane and toluene/cyclohexane binary mixtures into modified activated carbons. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2565-2575.	3.6	10

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55	Thermodynamic study of adsorption of nickel ions onto carbon aerogels. <i>Heliyon</i> , 2019, 5, e01789.	3.2	15
56	Immersion Enthalpy of Activated Carbon in Cyclohexane and Activated Carbon in Hexane. Difference in the Solid-Liquid Interaction Enthalpy Due to the Structure of the Solvent. <i>Processes</i> , 2019, 7, 180.	2.8	2
57	Isosteric Heat: Comparative Study between Clausius-Clapeyron, CSK and Adsorption Calorimetry Methods. <i>Processes</i> , 2019, 7, 203.	2.8	35
58	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
59	Influence of stacked structure of carbons modified on its surface on n-pentane adsorption. <i>Heliyon</i> , 2019, 5, e01156.	3.2	7
60	Parabens Adsorption onto Activated Carbon: Relation with Chemical and Structural Properties. <i>Molecules</i> , 2019, 24, 4313.	3.8	14
61	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
62	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
63	Caffeine Adsorption by Figue Bagasse Biochar Produced at Various Pyrolysis Temperatures. <i>Oriental Journal of Chemistry</i> , 2019, 35, 538-546.	0.3	12
64	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
65	Mechanisms of Cu ²⁺ 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
66	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
67	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
68	CO ₂ adsorption on activated carbon prepared from mangosteen peel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 337-354.	3.6	14
69	Biodiesel Synthesis: Use of Activated Carbon as Support of the Catalysts. <i>Biofuel and Biorefinery Technologies</i> , 2018, , 117-152.	0.3	2
70	Physicochemical Properties of Activated Carbon: Their Effect on the Adsorption of Pharmaceutical Compounds and Adsorbent-Adsorbent Interactions. <i>Journal of Carbon Research</i> , 2018, 4, 62.	2.7	55
71	Kinetic and Equilibrium Study of the Adsorption of CO ₂ in Ultramicropores of Resorcinol-Formaldehyde Aerogels Obtained in Acidic and Basic Medium. <i>Journal of Carbon Research</i> , 2018, 4, 52.	2.7	30
72	Calorimetry of Immersion in the Energetic Characterization of Porous Solids. , 2018, , .		2

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73	Dataset of xerogel synthesis in basic medium at different resorcinol/catalyst ratios. Data in Brief, 2018, 17, 1056-1061.	1.0	2
74	Adsorción de acetaminofénol sobre carbones activados a diferente pH. Entalpía y entropía del proceso. Revista Colombiana De Química, 2018, 47, 54-62.	0.4	1
75	Water Depollution Using Activated Carbons from Aerogels and Bones. Environmental Chemistry for A Sustainable World, 2018, , 183-226.	0.5	0
76	A Study of the Interactions of Activated Carbon-Phenol in Aqueous Solution Using the Determination of Immersion Enthalpy. Applied Sciences (Switzerland), 2018, 8, 843.	2.5	12
77	Kinetic Study of the Bioadsorption of Methylene Blue on the Surface of the Biomass Obtained from the Algae <i>D. antarctica</i> . Journal of Chemistry, 2018, 2018, 1-12.	1.9	48
78	Study of Hexane Adsorption on Activated Carbons with Differences in Their Surface Chemistry. Molecules, 2018, 23, 476.	3.8	11
79	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
80	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
81	Data for the synthesis of resorcinol-formaldehyde aerogels in acidic and basic media. Data in Brief, 2017, 12, 409-417.	1.0	3
82	Adsorption of CO ₂ onto Activated Carbons Prepared by Chemical Activation with Metallic Salts. International Journal of Chemical Reactor Engineering, 2017, 15, .	1.1	2
83	Effect of textural and chemical characteristics of activated carbons on phenol adsorption in aqueous solutions. Polish Journal of Chemical Technology, 2017, 19, 87-93.	0.5	3
84	Effect of Solution pH on the Adsorption of Paracetamol on Chemically Modified Activated Carbons. Molecules, 2017, 22, 1032.	3.8	136
85	Adsorption of Cd (II) on Modified Granular Activated Carbons: Isotherm and Column Study. Molecules, 2017, 22, 2280.	3.8	9
86	Enthalpic Contribution of Ni(II) in the Interaction between Carbonaceous Material and Aqueous Solution. Journal of Chemistry, 2017, 2017, 1-7.	1.9	4
87	Adsorption of CO ₂ onto Activated Carbons Prepared by Chemical Activation with Metallic Salts. International Journal of Chemical Reactor Engineering, 2017, 15, .	1.1	2
88	Application of the Sips model to the calculation of maximum adsorption capacity and immersion enthalpy of phenol aqueous solutions on activated carbons. European Journal of Chemistry, 2017, 8, 112-118.	0.6	16
89	Preparation and calorimetry characterization of nitrogen-enriched activated carbons and their application in the removal of carbon dioxide. European Journal of Chemistry, 2017, 8, 130-136.	0.6	2
90	Carbon Aerogels: a study with different models of the effect resorcinol/catalyst at different ratios after pyrolysis and the effect on textural properties. European Journal of Chemistry, 2017, 8, 279-287.	0.6	2

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91	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
92	CARACTERIZACIÓN TEXTURAL Y QUÍMICA DE CARBONES ACTIVADOS PREPARADOS A PARTIR DE CUESCO DE PALMA AFRICANA (ELAEIS GUINEENSIS) POR ACTIVACIÓN QUÍMICA CON CaCl ₂ y MgCl ₂ . <i>Revista Colombiana De Química</i> , 2016, 44, 18-24.	0.4	4
93	Calorimetric study of adsorption of alcohols on silicas. <i>Adsorption</i> , 2016, 22, 813-824.	3.0	2
94	Characterisation of granular activated carbon prepared by activation with CaCl ₂ by means of gas adsorption and immersion calorimetry. <i>Adsorption</i> , 2016, 22, 717-723.	3.0	16
95	Equilibrium and Dynamic CO ₂ Adsorption on Activated Carbon Honeycomb Monoliths. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7898-7905.	3.7	21
96	Calorimetric evaluation of activated carbons modified for phenol and 2,4-dinitrophenol adsorption. <i>Adsorption</i> , 2016, 22, 13-21.	3.0	11
97	Equilibrium, kinetics and thermodynamics study of phenols adsorption onto activated carbon obtained from lignocellulosic material (Eucalyptus Globulus labill seed). <i>Adsorption</i> , 2016, 22, 33-48.	3.0	46
98	Accessible area and hydrophobicity of activated carbons obtained from the enthalpy characterization. <i>Adsorption</i> , 2016, 22, 3-11.	3.0	9
99	Activated carbons obtained from agro-industrial waste: textural analysis and adsorption environmental pollutants. <i>Adsorption</i> , 2016, 22, 23-31.	3.0	29
100	Adsorption calorimetry: Energetic characterisation of the surface of mesoporous silicas and their adsorption capacity of non-linear chain alcohols. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 496, 100-113.	4.7	10
101	Calorimetric study of activated carbons impregnated with CaCl ₂ . <i>Open Chemistry</i> , 2015, 13, .	1.9	7
102	Immersion enthalpies in different liquids of activated carbons modified by surface chemistry. <i>Materials Express</i> , 2015, 5, 233-240.	0.5	2
103	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
104	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
105	Characterization of copper (II) biosorption by brown algae <i>Durvillaea antarctica</i> dead biomass. <i>Adsorption</i> , 2015, 21, 645-658.	3.0	23
106	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
107	Granular activated carbons characterization by CO ₂ adsorption isotherms and immersion enthalpy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1657-1664.	3.6	6
108	Calorimetric study of amino-functionalised SBA-15. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 127-134.	3.6	8

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109	Adsorption microcalorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 245-255.	3.6	4
110	Calorimetric study of functionalized carbonaceous materials. <i>Thermochimica Acta</i> , 2015, 611, 20-25.	2.7	5
111	Enthalpies of immersion in benzene, cyclohexane and water of granular activated carbons prepared by chemical activation with solutions of MgCl ₂ and CaCl ₂ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 1279-1285.	3.6	13
112	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
113	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
114	Preparation of carbon monoliths from orange peel for NO _x retention. <i>Oriental Journal of Chemistry</i> , 2014, 30, 1517-1528.	0.3	9
115	Activated Carbon Prepared From Orange Peels Coated With Titanium Oxide Nanoparticles: Characterization and Applications in the Decomposition of NO _x . <i>Oriental Journal of Chemistry</i> , 2014, 30, 451-461.	0.3	13
116	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
117	Vapour Phase Hydrogenation of Phenol over Rhodium on SBA-15 and SBA-16. <i>Molecules</i> , 2014, 19, 20594-20612.	3.8	13
118	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
119	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
120	Carboxylic acid recovery from aqueous solutions by activated carbon produced from sugarcane bagasse. <i>Adsorption</i> , 2014, 20, 935-943.	3.0	8
121	Calorimetric study of the CO ₂ adsorption on carbon materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 1299-1309.	3.6	10
122	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
123	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
124	Chemical modification of activated carbon monoliths for CO ₂ adsorption. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 1039-1047.	3.6	60
125	Modified surface chemistry of activated carbons. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 245-251.	3.6	8
126	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

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127	Carbon dioxide and methane adsorption at high pressure on activated carbon materials. <i>Adsorption</i> , 2013, 19, 1075-1082.	3.0	37
128	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
129	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
130	Exploring the use of rachis of chicken feathers for hydrogen storage. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 243-248.	5.5	11
131	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
132	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
133	Study of CO ₂ adsorption in functionalized carbon. <i>Adsorption</i> , 2013, 19, 323-329.	3.0	8
134	Magnetite nanoparticles for removal of heavy metals from aqueous solutions: synthesis and characterization. <i>Adsorption</i> , 2013, 19, 465-474.	3.0	216
135	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
136	Activated Carbon for CO ₂ Adsorption Obtained through the Chemical Activation of African Palm Stone. <i>Adsorption Science and Technology</i> , 2013, 31, 845-857.	3.2	2
137	Calorimetric Study of Mesoporous SBA-15 Modified for Controlled Valproic Acid Delivery. <i>Journal of Chemistry</i> , 2013, 2013, 1-11.	1.9	5
138	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
139	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
140	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
141	Relation Between the Adsorbed Quantity and the Immersion Enthalpy in Catechol Aqueous Solutions on Activated Carbons. <i>International Journal of Molecular Sciences</i> , 2012, 13, 44-55.	4.1	10
142	CO ₂ Adsorption on Activated Carbon Honeycomb-Monoliths: A Comparison of Langmuir and T ₃ Models. <i>International Journal of Molecular Sciences</i> , 2012, 13, 8388-8397.	4.1	57
143	Design, construction, and calibration of an isothermal titration calorimeter and its application in the study of the adsorption of phenolic compounds. <i>Review of Scientific Instruments</i> , 2012, 83, 015117.	1.3	6
144	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

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145	Study of the Structures of Carbon Foams Synthesized Using Non-Ionic Surfactants. Adsorption Science and Technology, 2012, 30, 117-126.	3.2	2
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