Roberto Leyva-Ramos

List of Publications by Year
in descending order

140	10,506	28242	34964
papers	citations	55 h-index	98 g-index

141	141	141	9794
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Activated Carbon Surface Modifications by Nitric Acid, Hydrogen Peroxide, and Ammonium Peroxydisulfate Treatments. Langmuir, 1995, 11, 4386-4392.	1.6	501
2	Activated carbon modifications to enhance its water treatment applications. An overview. Journal of Hazardous Materials, 2011, 187, 1-23.	6.5	467
3	Effect of Ozone Treatment on Surface Properties of Activated Carbon. Langmuir, 2002, 18, 2111-2116.	1.6	385
4	Activated carbon surface modifications by adsorption of bacteria and their effect on aqueous lead adsorption. Journal of Chemical Technology and Biotechnology, 2001, 76, 1209-1215.	1.6	384
5	Effects of non-oxidant and oxidant acid treatments on the surface properties of an activated carbon with very low ash content. Carbon, 1998, 36, 145-151.	5.4	290
6	Removal of nitroimidazole antibiotics from aqueous solution by adsorption/bioadsorption on activated carbon. Journal of Hazardous Materials, 2009, 170, 298-305.	6.5	257
7	Diffusion of phenol through a biofilm grown on activated carbon particles in a draft-tube three-phase fluidized-bed bioreactor. Biotechnology and Bioengineering, 1990, 35, 279-286.	1.7	221
8	Adsorption of cadmium(II) from aqueous solution on natural and oxidized corncob. Separation and Purification Technology, 2005, 45, 41-49.	3.9	220
9	Adsorption of fluoride from aqueous solution on aluminum-impregnated carbon. Carbon, 1999, 37, 609-617.	5.4	214
10	Adsorption of zinc, cadmium, and copper on activated carbons obtained from agricultural by-products. Carbon, 1988, 26, 363-373.	5.4	211
11	Adsorption of Fluoride from Water Solution on Bone Char. Industrial & Engineering Chemistry Research, 2007, 46, 9205-9212.	1.8	207
12	Adsorption of some substituted phenols on activated carbons from a bituminous coal. Carbon, 1995, 33, 845-851.	5.4	199
13	Ozonation of 1,3,6-naphthalenetrisulphonic acid catalysed by activated carbon in aqueous phase. Applied Catalysis B: Environmental, 2002, 39, 319-329.	10.8	187
14	Adsorption of cadmium(II) from aqueous solution onto activated carbon. Water Science and Technology, 1997, 35, 205-211.	1.2	183
15	Adsorption of zinc(II) from an aqueous solution onto activated carbon. Journal of Hazardous Materials, 2002, 90, 27-38.	6.5	180
16	Tetracycline removal from waters by integrated technologies based on ozonation and biodegradation. Chemical Engineering Journal, 2011, 178, 115-121.	6.6	176
17	Adsorption of chromium(VI) from an aqueous solution on a surfactant-modified zeolite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 330, 35-41.	2.3	157
18	Biosorption mechanism of Methylene Blue from aqueous solution onto White Pine (Pinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (32-40.	2.1	155

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19	Kinetic study of tetracycline adsorption on sludge-derived adsorbents in aqueous phase. Chemical Engineering Journal, 2012, 213, 88-96.	6.6	154
20	Adsorption of Cr(III) on ozonised activated carbon. Importance of CÏ€â€"cation interactions. Water Research, 2003, 37, 3335-3340.	5.3	149
21	Binary adsorption of heavy metals from aqueous solution onto natural clays. Chemical Engineering Journal, 2013, 225, 535-546.	6.6	148
22	Gamma irradiation of pharmaceutical compounds, nitroimidazoles, as a new alternative for water treatment. Water Research, 2009, 43, 4028-4036.	5.3	144
23	Adsorption of Humic Substances on Activated Carbon from Aqueous Solutions and Their Effect on the Removal of Cr(III) Ions. Langmuir, 1998, 14, 1880-1886.	1.6	141
24	Kinetic modeling of fluoride adsorption from aqueous solution onto bone char. Chemical Engineering Journal, 2010, 158, 458-467.	6.6	140
25	Adsorption capacity of bone char for removing fluoride from water solution. Role of hydroxyapatite content, adsorption mechanism and competing anions. Journal of Industrial and Engineering Chemistry, 2014, 20, 4014-4021.	2.9	138
26	Removal of the antibiotic metronidazole by adsorption on various carbon materials from aqueous phase. Journal of Colloid and Interface Science, 2014, 436, 276-285.	5.0	128
27	Kinetic study of the adsorption of nitroimidazole antibiotics on activated carbons in aqueous phase. Journal of Colloid and Interface Science, 2010, 345, 481-490.	5.0	117
28	Removal of pharmaceutical compounds, nitroimidazoles, from waters by using the ozone/carbon system. Water Research, 2008, 42, 4163-4171.	5.3	112
29	Tetracycline degradation in aqueous phase by ultraviolet radiation. Chemical Engineering Journal, 2012, 187, 89-95.	6.6	109
30	Photodegradation of the antibiotics nitroimidazoles in aqueous solution by ultraviolet radiation. Water Research, 2011, 45, 393-403.	5.3	108
31	Adsorption rate of phenol from aqueous solution onto organobentonite: Surface diffusion and kinetic models. Journal of Colloid and Interface Science, 2011, 364, 195-204.	5.0	107
32	Model simulation and analysis of surface diffusion of liquids in porous solids. Chemical Engineering Science, 1985, 40, 799-807.	1.9	97
33	Advanced oxidation of the surfactant SDBS by means of hydroxyl and sulphate radicals. Chemical Engineering Journal, 2010, 163, 300-306.	6.6	97
34	Modification of corncob with citric acid to enhance its capacity for adsorbing cadmium(II) from water solution. Chemical Engineering Journal, 2012, 180, 113-120.	6.6	97
35	Effect of the ozoneâ€"carbon reaction on the catalytic activity of activated carbon during the degradation of 1,3,6-naphthalenetrisulphonic acid with ozone. Carbon, 2003, 41, 303-307.	5.4	96
36	Adsorption of trivalent chromium from aqueous solutions onto activated carbon. Journal of Chemical Technology and Biotechnology, 1995, 62, 64-67.	1.6	95

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37	Modeling adsorption rate of pyridine onto granular activated carbon. Chemical Engineering Journal, 2010, 165, 133-141.	6.6	94
38	Removal of diethyl phthalate from water solution by adsorption, photo-oxidation, ozonation and advanced oxidation process (UV/H2O2, O3/H2O2 and O3/activated carbon). Science of the Total Environment, 2013, 442, 26-35.	3.9	91
39	Activated carbon as photocatalyst of reactions in aqueous phase. Applied Catalysis B: Environmental, 2013, 142-143, 694-704.	10.8	88
40	Overall adsorption rate of metronidazole, dimetridazole and diatrizoate on activated carbons prepared from coffee residues and almond shells. Journal of Environmental Management, 2016, 169, 116-125.	3.8	84
41	Adsorption of cadmium(ii) from aqueous solution onto activated carbon. Water Science and Technology, 1997, 35, 205.	1.2	80
42	Ozonation of Naphthalenesulphonic Acid in the Aqueous Phase in the Presence of Basic Activated Carbons. Langmuir, 2004, 20, 9217-9222.	1.6	80
43	Removal of ammonium from aqueous solution by ion exchange on natural and modified chabazite. Journal of Environmental Management, 2010, 91, 2662-2668.	3.8	79
44	Diffusion in liquidâ€filled pores of activated carbon. I. Pore volume diffusion. Canadian Journal of Chemical Engineering, 1994, 72, 262-271.	0.9	75
45	Sorption mechanism of Cd(II) from water solution onto chicken eggshell. Applied Surface Science, 2013, 276, 682-690.	3.1	71
46	Effect of surface area and physicalâ€“chemical properties of graphite and graphene-based materials on their adsorption capacity towards metronidazole and trimethoprim antibiotics in aqueous solution. Chemical Engineering Journal, 2020, 402, 126155.	6.6	67
47	Comparison of isotherms for the ion exchange of Pb(II) from aqueous solution onto homoionic clinoptilolite. Journal of Colloid and Interface Science, 2006, 301, 40-45.	5.0	65
48	Ammonia exchange on clinoptilolite from mineral deposits located in Mexico. Journal of Chemical Technology and Biotechnology, 2004, 79, 651-657.	1.6	64
49	Advanced Oxidation Processes based on the use of UVC and simulated solar radiation to remove the antibiotic tinidazole from water. Chemical Engineering Journal, 2017, 323, 605-617.	6.6	64
50	Removal of the surfactant sodium dodecylbenzenesulphonate from water by simultaneous use of ozone and powdered activated carbon: Comparison with systems based on O3 and O3/H2O2. Water Research, 2006, 40, 1717-1725.	5.3	62
51	Combination of Ozone with Activated Carbon as an Alternative to Conventional Advanced Oxidation Processes. Ozone: Science and Engineering, 2006, 28, 237-245.	1.4	62
52	External mass transfer and hindered diffusion of organic compounds in the adsorption on activated carbon cloth. Chemical Engineering Journal, 2012, 183, 141-151.	6.6	62
53	The role of dispersive and electrostatic interactions in the aqueous phase adsorption of naphthalenesulphonic acids on ozone-treated activated carbons. Carbon, 2002, 40, 2685-2691.	5.4	60
54	Adsorption of sodium dodecylbenzenesulfonate on activated carbons: Effects of solution chemistry and presence of bacteria. Journal of Colloid and Interface Science, 2008, 317, 11-17.	5.0	60

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55	Ultrasound assisted preparation of chitosanâ€“vermiculite bionanocomposite foams for cadmium uptake. Applied Clay Science, 2016, 130, 40-49.	2.6	60
56	Degradation of antineoplastic cytarabine in aqueous solution by gamma radiation. Chemical Engineering Journal, 2011, 174, 1-8.	6.6	56
57	Role of electrostatic interactions in the adsorption of cadmium(II) from aqueous solution onto vermiculite. Applied Clay Science, 2014, 88-89, 10-17.	2.6	56
58	Kinetics of 1,3,6-naphthalenetrisulphonic acid ozonation in presence of activated carbon. Carbon, 2005, 43, 962-969.	5.4	55
59	Adsorption of Pentachlorophenol from Aqueous Solution onto Activated Carbon Fiber. Industrial & Engineering Chemistry Research, 2006, 45, 330-336.	1.8	55
60	Novel biosorbent with high adsorption capacity prepared by chemical modification of white pine (Pinus durangensis) sawdust. Adsorption of Pb(II) from aqueous solutions. Journal of Environmental Management, 2016, 169, 303-312.	3.8	55
61	Role of pore volume and surface diffusion in the adsorption of aromatic compounds on activated carbon. Adsorption, 2013, 19, 945-957.	1.4	53
62	Individual and simultaneous degradation of the antibiotics sulfamethoxazole and trimethoprim in aqueous solutions by Fenton, Fenton-like and photo-Fenton processes using solar and UV radiations. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 360, 95-108.	2.0	53
63	Modeling adsorption rate of tetracyclines on activated carbons from aqueous phase. Chemical Engineering Research and Design, 2015, 104, 579-588.	2.7	52
64	Degradation of antineoplastic cytarabine in aqueous phase by advanced oxidation processes based on ultraviolet radiation. Chemical Engineering Journal, 2010, 165, 581-588.	6.6	51
65	Adsorption of lead(II) from aqueous solution onto several types ofÂactivated carbon fibers. Adsorption, 2011, 17, 515-526.	1.4	51
66	Removal of ronidazole and sulfamethoxazole from water solutions by adsorption on granular activated carbon: equilibrium and intraparticle diffusion mechanisms. Adsorption, 2016, 22, 89-103.	1.4	50
67	Single and competitive adsorption of Cd(II) and Pb(II) ions from aqueous solutions onto industrial chili seeds (C apsicum annuum) waste. Sustainable Environment Research, 2017, 27, 61-69.	2.1	50
68	Walnut shell treated with citric acid and its application as biosorbent in the removal of Zn(II). Journal of Water Process Engineering, 2018, 25, 45-53.	2.6	50
69	Removal of tinidazole from waters by using ozone and activated carbon in dynamic regime. Journal of Hazardous Materials, 2010, 174, 880-886.	6.5	49
70	Adsorption mechanism of Chromium(III) from water solution on bone char: effect of operating conditions. Adsorption, 2016, 22, 297-308.	1.4	49
71	Use of bone char prepared from an invasive species, pleco fish (Pterygoplichthys spp.), to remove fluoride and Cadmium(II) in water. Journal of Environmental Management, 2020, 256, 109956.	3.8	49
72	Kinetic modeling of pentachlorophenol adsorption from aqueous solution on activated carbon fibers. Carbon, 2007, 45, 2280-2289.	5.4	48

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73	Enhancement of the catalytic activity of TiO2 by using activated carbon in the photocatalytic degradation of cytarabine. Applied Catalysis B: Environmental, 2011, 104, 177-184.	10.8	48
74	Influence of support surface properties on activity of bacteria immobilised on activated carbons for water denitrification. Carbon, 2003, 41, 1743-1749.	5.4	47
75	Effect of pH and temperature on the ion-exchange isotherm of Cd(II) and Pb(II) on clinoptilolite. Journal of Chemical Technology and Biotechnology, 2006, 81, 966-973.	1.6	46
76	Adsorption of boron on calcined AlMg layered double hydroxide from aqueous solutions. Mechanism and effect of operating conditions. Chemical Engineering Journal, 2014, 245, 248-257.	6.6	46
77	Sulfonamides degradation assisted by UV, UV/H2O2 and UV/K2S2O8: Efficiency, mechanism and byproducts cytotoxicity. Journal of Environmental Management, 2018, 225, 224-231.	3.8	45
78	Adsorption Kinetic Behaviour of Pure CO2, N2 and CH4 in Natural Clinoptilolite at Different Temperatures. Adsorption Science and Technology, 2003, 21, 81-91.	1.5	42
79	Synthesis of controlled-size silver nanoparticles for the administration of methotrexate drug and its activity in colon and lung cancer cells. RSC Advances, 2020, 10, 10646-10660.	1.7	42
80	Removal of fluoride from aqueous solution using acid and thermally treated bone char. Adsorption, 2016, 22, 951-961.	1.4	39
81	Nitroimidazoles adsorption on activated carbon cloth from aqueous solution. Journal of Colloid and Interface Science, 2013, 401, 116-124.	5.0	38
82	Individual and simultaneous degradation of antibiotics sulfamethoxazole and trimethoprim by UV and solar radiation in aqueous solution using bentonite and vermiculite as photocatalysts. Applied Clay Science, 2018, 160, 217-225.	2.6	38
83	Removal of tetracycline from aqueous solutions by adsorption on raw Ca-bentonite. Effect of operating conditions and adsorption mechanism. Chemical Engineering Journal, 2022, 432, 134428.	6.6	38
84	Degradation of naphthalenesulfonic acids by oxidation with ozone in aqueous phase. Physical Chemistry Chemical Physics, 2002, 4, 1129-1134.	1.3	35
85	Adsorption capacity of different types of carbon nanotubes towards metronidazole and dimetridazole antibiotics from aqueous solutions: effect of morphology and surface chemistry. Environmental Science and Pollution Research, 2020, 27, 17123-17137.	2.7	35
86	Kinetic modeling of pentachlorophenol adsorption onto granular activated carbon. Journal of the Taiwan Institute of Chemical Engineers, 2009, 40, 622-629.	2.7	33
87	Role of activated carbon in the photocatalytic degradation of 2,4-dichlorophenoxyacetic acid by the UV/TiO2/activated carbon system. Applied Catalysis B: Environmental, 2012, 126, 100-107.	10.8	33
88	3D modeling of the overall adsorption rate of metronidazole on granular activated carbon at low and high concentrations in aqueous solution. Chemical Engineering Journal, 2018, 349, 82-91.	6.6	33
89	Ozonation of naphthalenetrisulphonic acid in the presence of activated carbons prepared from petroleum coke. Applied Catalysis B: Environmental, 2006, 67, 113-120.	10.8	31
90	Adsorption of Cadmium(II) from an Aqueous Solution onto Activated Carbon Cloth. Separation Science and Technology, 2005, 40, 2079-2094.	1.3	28

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91	Adsorption of arsenic (V) from a water solution ontoÂaÂsurfactant-modified zeolite. Adsorption, 2011, 17, 489-496.	1.4	28
92	Tailoring the textural properties of an activated carbon for enhancing its adsorption capacity towards diclofenac from aqueous solution. Environmental Science and Pollution Research, 2019, 26, 6141-6152.	2.7	28
93	Evaluation of mass transfer mechanisms involved during the adsorption of metronidazole on granular activated carbon in fixed bed column. Journal of Water Process Engineering, 2020, 36, 101303.	2.6	28
94	Intraparticle diffusion of cadmium and zinc ions during adsorption from aqueous solution on activated carbon. Journal of Chemical Technology and Biotechnology, 2005, 80, 924-933.	1.6	27
95	Effect of temperature and ph on the adsorption of an anionic detergent on activated carbon. Journal of Chemical Technology and Biotechnology, 1989, 45, 231-240.	1.6	26
96	Removal of Pyridine from Aqueous Solution by Adsorption on an Activated Carbon Cloth. Clean - Soil, Air, Water, 2012, 40, 45-53.	0.7	25
97	Oxidation of sulfonamides by ferrate(VI): Reaction kinetics, transformation byproducts and toxicity assesment. Journal of Environmental Management, 2020, 255, 109927.	3.8	25
98	Sorption of Diclofenac from Aqueous Solution on an Organobentonite and Adsorption of Cadmium on Organobentonite Saturated with Diclofenac. Clays and Clay Minerals, 2018, 66, 515-528.	0.6	24
99	COMPETITIVE ADSORPTION OF Cd(II) AND Zn(II) FROM AQUEOUS SOLUTION ONTO ACTIVATED CARBON. Separation Science and Technology, 2001, 36, 3673-3687.	1.3	23
100	Adsorption of 1,3,6-Naphthalenetrisulfonic Acid on Activated Carbon in the Presence of Cd(II), Cr(III), and Hg(II). Importance of Electrostatic Interactions. Langmuir, 2003, 19, 10857-10861.	1.6	23
101	Adsorption of Heavy Metal Ions from Aqueous Solution onto Sepiolite. Adsorption Science and Technology, 2011, 29, 569-584.	1.5	23
102	Halide removal from waters by silver nanoparticles and hydrogen peroxide. Science of the Total Environment, 2017, 607-608, 649-657.	3.9	23
103	Photocatalytic oxidation of diuron using nickel organic xerogel under simulated solar irradiation. Science of the Total Environment, 2019, 650, 1207-1215.	3.9	23
104	Degradation of emerging contaminants diclofenac, sulfamethoxazole, trimethoprim and carbamazepine by bentonite and vermiculite at a pilot solar compound parabolic collector. Catalysis Today, 2020, 341, 26-36.	2.2	23
105	Advanced oxidation with ozone of 1,3,6-naphthalenetrisulfonic acid in aqueous solution. Journal of Chemical Technology and Biotechnology, 2002, 77, 148-154.	1.6	22
106	Adsorption of Fluoride from Aqueous Solution on Calcined and Uncalcined Layered Double Hydroxide. Adsorption Science and Technology, 2015, 33, 393-410.	1.5	22
107	Antagonistic, synergistic and non-interactive competitive sorption of sulfamethoxazole-trimethoprim and sulfamethoxazoleâ€'cadmium (ii) on a hybrid clay nanosorbent. Science of the Total Environment, 2018, 640-641, 1241-1250.	3.9	22
108	Lanthanum-doped silica xerogels for the removal of fluorides from waters. Journal of Environmental Management, 2018, 213, 549-554.	3.8	18

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109	Adsorption of Heavy Metals on Diatomite: Mechanism and Effect of Operating Variables. Adsorption Science and Technology, 2013, 31, 275-291.	1.5	17
110	Competitive Adsorption of Heavy Metals from Aqueous Solution onto Oxidized Activated Carbon Fiber. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	17
111	Role of 1 [O 2] â^— in chlortetracycline degradation by solar radiation assisted by ruthenium metal complexes. Chemical Engineering Journal, 2016, 284, 896-904.	6.6	16
112	Effect of radical peroxide promoters on the photodegradation of cytarabine antineoplastic in water. Chemical Engineering Journal, 2016, 284, 995-1002.	6.6	16
113	Adsorption of Diclofenac from Aqueous Solution onto Carbon Xerogels: Effect of Synthesis Conditions and Presence of Bacteria. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	16
114	Removal of Toxic Pollutants from Aqueous Solutions by Adsorption onto an Organobentonite. Adsorption Science and Technology, 2006, 24, 687-799.	1.5	15
115	Behavior of two different constituents of natural organic matter in the removal of sodium dodecylbenzenesulfonate by O3 and O3-based advanced oxidation processes. Journal of Colloid and Interface Science, 2008, 325, 432-439.	5.0	15
116	Effect of surfactant loading and type upon the sorption capacity of organobentonite towards pyrogallol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 676-685.	2.3	15
117	Halide removal from water using silver doped magnetic-microparticles. Journal of Environmental Management, 2020, 253, 109731.	3.8	15
118	Arsenic Elimination from Water Solutions by Adsorption on Bone Char. Effect of Operating Conditions and Removal from Actual Drinking Water. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	15
119	Ciprofloxacin, ranitidine, and chlorphenamine removal from aqueous solution by adsorption. Mechanistic and regeneration analysis. Environmental Technology and Innovation, 2021, 24, 102060.	3.0	14
120	Fast synthesis of micro/mesoporous xerogels: Textural and energetic assessment. Microporous and Mesoporous Materials, 2015, 209, 2-9.	2.2	13
121	A novel two-step route for synthesizing pure Ta2O5 nanoparticles with enhanced photocatalytic activity. Ceramics International, 2019, 45, 6268-6274.	2.3	13
122	Degradation of the diuretic hydrochlorothiazide by UV/Solar radiation assisted oxidation processes. Journal of Environmental Management, 2020, 257, 109973.	3.8	13
123	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.	1.1	13
124	Adsorption of Phenol from Aqueous Solution on to Activated Carbon. Effect of Solvent, Temperature and Particle Size. Adsorption Science and Technology, 1999, 17, 533-543.	1.5	12
125	Role of Carboxylic Sites in the Adsorption of Nickel (II) and Zinc (II) onto Plain and Oxidized Activated Carbon Fibers. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	12
126	Organic xerogels doped with Tris(2,2â€²-bipyridine) ruthenium(II) as hydroxyl radical promoters: Synthesis, characterization, and photoactivity. Chemical Engineering Journal, 2016, 306, 289-297.	6.6	12

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127	Comparative Study of the Oxidative Degradation of Different 4-Aminobenzene Sulfonamides in Aqueous Solution by Sulfite Activation in the Presence of Fe(0), Fe(II), Fe(III) Or Fe(VI). Water (Switzerland), 2019, 11, 2332.	1.2	12
128	Competitive Adsorption of Dimetridazole and Metronidazole Antibiotics on Carbon Materials from Aqueous Solution. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	11
129	Understanding mechanisms in the adsorption of lead and copper ions on chili seed waste in single and multicomponent systems: a combined experimental and computational study. Environmental Science and Pollution Research, 2021, 28, 23204-23219.	2.7	10
130	Adsorption of selenium (iv) oxoanions on calcined layered double hydroxides of Mg-Al-CO3 from aqueous solution. Effect of calcination and reconstruction of lamellar structure. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100580.	1.7	9
131	Kinetic Modelling of Naphthalenesulphonic Acid Adsorption from Aqueous Solution onto Untreated and Ozonated Activated Carbons. Adsorption Science and Technology, 2009, 27, 395-411.	1.5	8
132	The adsorption kinetics of sodium dodecylbenzenesulfonate on activated carbon. Branched-pore diffusional model revisited and comparison with other diffusional models. Chemical Engineering Communications, 2020, 207, 705-721.	1.5	8
133	A novel intraparticle mass transfer model for the biosorption rate of methylene blue on white pine (Pinus durangensis) sawdust. Diffusion-permeation. Chemical Engineering Research and Design, 2021, 172, 43-52.	2.7	7
134	Comparison between diffusional and first-order kinetic model, and modeling the adsorption kinetics of pyridine onto granular activated carbon. Desalination and Water Treatment, 2015, 55, 637-646.	1.0	6
135	Single adsorption of diclofenac and ronidazole from aqueous solution on commercial activated carbons: effect of chemical and textural properties. Environmental Science and Pollution Research, 2023, 30, 25193-25204.	2.7	6
136	Ozonation in aqueous phase of sodium dodecylbenzenesulphonate in the presence of powdered activated carbon. Carbon, 2005, 43, 3031-3034.	5.4	5
137	Influence of presence of tannic acid on removal of sodium dodecylbenzenesulphonate by O₃ and advanced oxidation processes. Journal of Chemical Technology and Biotechnology, 2009, 84, 367-375.	1.6	5
138	Equilibrium and Kinetic Adsorption of Organic Compounds onto Organobentonite: Application of a Surface Diffusion Model. Adsorption Science and Technology, 2011, 29, 1007-1024.	1.5	5
139	Competitive exchange of lead(II) and cadmium(II) from aqueous solution on clinoptilolite. Studies in Surface Science and Catalysis, 2002, 142, 1849-1856.	1.5	3
140	Organoclays. Fundamentals and Applications for Removing Toxic Pollutants from Water Solution. Engineering Materials, 2021, , 341-363.	0.3	1