

Roberto Leyva-Ramos

List of Publications by Citations

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140
papers

8,550
citations

50
h-index

89
g-index

141
ext. papers

9,399
ext. citations

7.6
avg, IF

6.11
L-index

#	Paper	IF	Citations
140	Activated Carbon Surface Modifications by Nitric Acid, Hydrogen Peroxide, and Ammonium Peroxydisulfate Treatments. <i>Langmuir</i> , 1995 , 11, 4386-4392	4	449
139	Activated carbon modifications to enhance its water treatment applications. An overview. <i>Journal of Hazardous Materials</i> , 2011 , 187, 1-23	12.8	387
138	Effect of Ozone Treatment on Surface Properties of Activated Carbon. <i>Langmuir</i> , 2002 , 18, 2111-2116	4	341
137	Activated carbon surface modifications by adsorption of bacteria and their effect on aqueous lead adsorption. <i>Journal of Chemical Technology and Biotechnology</i> , 2001 , 76, 1209-1215	3.5	320
136	Effects of non-oxidant and oxidant acid treatments on the surface properties of an activated carbon with very low ash content. <i>Carbon</i> , 1998 , 36, 145-151	10.4	262
135	Removal of nitroimidazole antibiotics from aqueous solution by adsorption/bioadsorption on activated carbon. <i>Journal of Hazardous Materials</i> , 2009 , 170, 298-305	12.8	205
134	Diffusion of phenol through a biofilm grown on activated carbon particles in a draft-tube three-phase fluidized-bed bioreactor. <i>Biotechnology and Bioengineering</i> , 1990 , 35, 279-86	4.9	195
133	Adsorption of zinc, cadmium, and copper on activated carbons obtained from agricultural by-products. <i>Carbon</i> , 1988 , 26, 363-373	10.4	195
132	Adsorption of fluoride from aqueous solution on aluminum-impregnated carbon. <i>Carbon</i> , 1999 , 37, 609-614	10.4	188
131	Adsorption of cadmium(II) from aqueous solution on natural and oxidized corncob. <i>Separation and Purification Technology</i> , 2005 , 45, 41-49	8.3	185
130	Adsorption of some substituted phenols on activated carbons from a bituminous coal. <i>Carbon</i> , 1995 , 33, 845-851	10.4	180
129	Adsorption of Fluoride from Water Solution on Bone Char. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 9205-9212	3.9	175
128	Ozonation of 1,3,6-naphthalenetrisulphonic acid catalysed by activated carbon in aqueous phase. <i>Applied Catalysis B: Environmental</i> , 2002 , 39, 319-329	21.8	166
127	Adsorption of zinc(II) from an aqueous solution onto activated carbon. <i>Journal of Hazardous Materials</i> , 2002 , 90, 27-38	12.8	153
126	Adsorption of cadmium(II) from aqueous solution onto activated carbon. <i>Water Science and Technology</i> , 1997 , 35, 205-211	2.2	148
125	Tetracycline removal from waters by integrated technologies based on ozonation and biodegradation. <i>Chemical Engineering Journal</i> , 2011 , 178, 115-121	14.7	139
124	Adsorption of chromium(VI) from an aqueous solution on a surfactant-modified zeolite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 330, 35-41	5.1	139

123	Adsorption of Cr(III) on ozonised activated carbon. Importance of Cpi-cation interactions. <i>Water Research</i> , 2003 , 37, 3335-40	12.5	137
122	Adsorption of Humic Substances on Activated Carbon from Aqueous Solutions and Their Effect on the Removal of Cr(III) Ions. <i>Langmuir</i> , 1998 , 14, 1880-1886	4	128
121	Kinetic study of tetracycline adsorption on sludge-derived adsorbents in aqueous phase. <i>Chemical Engineering Journal</i> , 2012 , 213, 88-96	14.7	125
120	Gamma irradiation of pharmaceutical compounds, nitroimidazoles, as a new alternative for water treatment. <i>Water Research</i> , 2009 , 43, 4028-36	12.5	123
119	Kinetic modeling of fluoride adsorption from aqueous solution onto bone char. <i>Chemical Engineering Journal</i> , 2010 , 158, 458-467	14.7	123
118	Binary adsorption of heavy metals from aqueous solution onto natural clays. <i>Chemical Engineering Journal</i> , 2013 , 225, 535-546	14.7	120
117	Adsorption capacity of bone char for removing fluoride from water solution. Role of hydroxyapatite content, adsorption mechanism and competing anions. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 4014-4021	6.3	109
116	Removal of the antibiotic metronidazole by adsorption on various carbon materials from aqueous phase. <i>Journal of Colloid and Interface Science</i> , 2014 , 436, 276-85	9.3	101
115	Removal of pharmaceutical compounds, nitroimidazoles, from waters by using the ozone/carbon system. <i>Water Research</i> , 2008 , 42, 4163-71	12.5	97
114	Kinetic study of the adsorption of nitroimidazole antibiotics on activated carbons in aqueous phase. <i>Journal of Colloid and Interface Science</i> , 2010 , 345, 481-90	9.3	94
113	Biosorption mechanism of Methylene Blue from aqueous solution onto White Pine (<i>Pinus durangensis</i>) sawdust: Effect of operating conditions. <i>Sustainable Environment Research</i> , 2017 , 27, 32-40 ^{3.8}		92
112	Tetracycline degradation in aqueous phase by ultraviolet radiation. <i>Chemical Engineering Journal</i> , 2012 , 187, 89-95	14.7	90
111	Photodegradation of the antibiotics nitroimidazoles in aqueous solution by ultraviolet radiation. <i>Water Research</i> , 2011 , 45, 393-403	12.5	89
110	Adsorption rate of phenol from aqueous solution onto organobentonite: surface diffusion and kinetic models. <i>Journal of Colloid and Interface Science</i> , 2011 , 364, 195-204	9.3	89
109	Effect of the ozone-carbon reaction on the catalytic activity of activated carbon during the degradation of 1,3,6-naphthalenetrisulphonic acid with ozone. <i>Carbon</i> , 2003 , 41, 303-307	10.4	88
108	Advanced oxidation of the surfactant SDBS by means of hydroxyl and sulphate radicals. <i>Chemical Engineering Journal</i> , 2010 , 163, 300-306	14.7	87
107	Modeling adsorption rate of pyridine onto granular activated carbon. <i>Chemical Engineering Journal</i> , 2010 , 165, 133-141	14.7	82
106	Modification of corncob with citric acid to enhance its capacity for adsorbing cadmium(II) from water solution. <i>Chemical Engineering Journal</i> , 2012 , 180, 113-120	14.7	80

105	Model simulation and analysis of surface diffusion of liquids in porous solids. <i>Chemical Engineering Science</i> , 1985 , 40, 799-807	4.4	78
104	Adsorption of cadmium(ii) from aqueous solution onto activated carbon. <i>Water Science and Technology</i> , 1997 , 35, 205	2.2	76
103	Adsorption of trivalent chromium from aqueous solutions onto activated carbon. <i>Journal of Chemical Technology and Biotechnology</i> , 1995 , 62, 64-67	3.5	76
102	Activated carbon as photocatalyst of reactions in aqueous phase. <i>Applied Catalysis B: Environmental</i> , 2013 , 142-143, 694-704	21.8	75
101	Ozonation of naphthalenesulphonic acid in the aqueous phase in the presence of basic activated carbons. <i>Langmuir</i> , 2004 , 20, 9217-22	4	75
100	Removal of diethyl phthalate from water solution by adsorption, photo-oxidation, ozonation and advanced oxidation process (UV/H ₂ O ₂ /H ₂ O ₂ and O ₃ /activated carbon). <i>Science of the Total Environment</i> , 2013 , 442, 26-35	10.2	71
99	Overall adsorption rate of metronidazole, dimetridazole and diatrizoate on activated carbons prepared from coffee residues and almond shells. <i>Journal of Environmental Management</i> , 2016 , 169, 116-25	7.9	69
98	Diffusion in liquid-filled pores of activated carbon. I. Pore volume diffusion. <i>Canadian Journal of Chemical Engineering</i> , 1994 , 72, 262-271	2.3	67
97	Removal of ammonium from aqueous solution by ion exchange on natural and modified chabazite. <i>Journal of Environmental Management</i> , 2010 , 91, 2662-8	7.9	65
96	Sorption mechanism of Cd(II) from water solution onto chicken eggshell. <i>Applied Surface Science</i> , 2013 , 276, 682-690	6.7	56
95	Removal of the surfactant sodium dodecylbenzenesulphonate from water by simultaneous use of ozone and powdered activated carbon: comparison with systems based on O ₃ and O ₃ /H ₂ O ₂ . <i>Water Research</i> , 2006 , 40, 1717-25	12.5	56
94	Comparison of isotherms for the ion exchange of Pb(II) from aqueous solution onto homoionic clinoptilolite. <i>Journal of Colloid and Interface Science</i> , 2006 , 301, 40-5	9.3	56
93	The role of dispersive and electrostatic interactions in the aqueous phase adsorption of naphthalenesulphonic acids on ozone-treated activated carbons. <i>Carbon</i> , 2002 , 40, 2685-2691	10.4	53
92	External mass transfer and hindered diffusion of organic compounds in the adsorption on activated carbon cloth. <i>Chemical Engineering Journal</i> , 2012 , 183, 141-151	14.7	52
91	Adsorption of Pentachlorophenol from Aqueous Solution onto Activated Carbon Fiber. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 330-336	3.9	51
90	Ultrasound assisted preparation of chitosan/vermiculite bionanocomposite foams for cadmium uptake. <i>Applied Clay Science</i> , 2016 , 130, 40-49	5.2	48
89	Adsorption of sodium dodecylbenzenesulfonate on activated carbons: effects of solution chemistry and presence of bacteria. <i>Journal of Colloid and Interface Science</i> , 2008 , 317, 11-7	9.3	48
88	Kinetics of 1,3,6-naphthalenetrisulphonic acid ozonation in presence of activated carbon. <i>Carbon</i> , 2005 , 43, 962-969	10.4	48

87	Degradation of antineoplastic cytarabine in aqueous solution by gamma radiation. <i>Chemical Engineering Journal</i> , 2011 , 174, 1-8	14.7	47
86	Combination of Ozone with Activated Carbon as an Alternative to Conventional Advanced Oxidation Processes. <i>Ozone: Science and Engineering</i> , 2006 , 28, 237-245	2.4	46
85	Ammonia exchange on clinoptilolite from mineral deposits located in Mexico. <i>Journal of Chemical Technology and Biotechnology</i> , 2004 , 79, 651-657	3.5	46
84	Role of electrostatic interactions in the adsorption of cadmium(II) from aqueous solution onto vermiculite. <i>Applied Clay Science</i> , 2014 , 88-89, 10-17	5.2	45
83	Advanced Oxidation Processes based on the use of UVC and simulated solar radiation to remove the antibiotic tinidazole from water. <i>Chemical Engineering Journal</i> , 2017 , 323, 605-617	14.7	44
82	Enhancement of the catalytic activity of TiO ₂ by using activated carbon in the photocatalytic degradation of cytarabine. <i>Applied Catalysis B: Environmental</i> , 2011 , 104, 177-184	21.8	44
81	Removal of tinidazole from waters by using ozone and activated carbon in dynamic regime. <i>Journal of Hazardous Materials</i> , 2010 , 174, 880-6	12.8	43
80	Kinetic modeling of pentachlorophenol adsorption from aqueous solution on activated carbon fibers. <i>Carbon</i> , 2007 , 45, 2280-2289	10.4	43
79	Removal of ronidazole and sulfamethoxazole from water solutions by adsorption on granular activated carbon: equilibrium and intraparticle diffusion mechanisms. <i>Adsorption</i> , 2016 , 22, 89-103	2.6	41
78	Adsorption of lead(II) from aqueous solution onto several types of activated carbon fibers. <i>Adsorption</i> , 2011 , 17, 515-526	2.6	41
77	Degradation of antineoplastic cytarabine in aqueous phase by advanced oxidation processes based on ultraviolet radiation. <i>Chemical Engineering Journal</i> , 2010 , 165, 581-588	14.7	41
76	Single and competitive adsorption of Cd(II) and Pb(II) ions from aqueous solutions onto industrial chili seeds (<i>Capsicum annuum</i>) waste. <i>Sustainable Environment Research</i> , 2017 , 27, 61-69	3.8	40
75	Modeling adsorption rate of tetracyclines on activated carbons from aqueous phase. <i>Chemical Engineering Research and Design</i> , 2015 , 104, 579-588	5.5	40
74	Influence of support surface properties on activity of bacteria immobilised on activated carbons for water denitrification. <i>Carbon</i> , 2003 , 41, 1743-1749	10.4	40
73	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. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 360, 95-108	4.7	39
72	Walnut shell treated with citric acid and its application as biosorbent in the removal of Zn(II). <i>Journal of Water Process Engineering</i> , 2018 , 25, 45-53	6.7	39
71	Role of pore volume and surface diffusion in the adsorption of aromatic compounds on activated carbon. <i>Adsorption</i> , 2013 , 19, 945-957	2.6	38
70	Effect of pH and temperature on the ion-exchange isotherm of Cd(II) and Pb(II) on clinoptilolite. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 966-973	3.5	38

69	Novel biosorbent with high adsorption capacity prepared by chemical modification of white pine (<i>Pinus durangensis</i>) sawdust. Adsorption of Pb(II) from aqueous solutions. <i>Journal of Environmental Management</i> , 2016 , 169, 303-12	7.9	36
68	Adsorption of boron on calcined AlMg layered double hydroxide from aqueous solutions. Mechanism and effect of operating conditions. <i>Chemical Engineering Journal</i> , 2014 , 245, 248-257	14.7	34
67	Nitroimidazoles adsorption on activated carbon cloth from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2013 , 401, 116-24	9.3	34
66	Adsorption mechanism of Chromium(III) from water solution on bone char: effect of operating conditions. <i>Adsorption</i> , 2016 , 22, 297-308	2.6	32
65	Sulfonamides degradation assisted by UV, UV/HO and UV/KSO: Efficiency, mechanism and byproducts cytotoxicity. <i>Journal of Environmental Management</i> , 2018 , 225, 224-231	7.9	31
64	Degradation of naphthalenesulfonic acids by oxidation with ozone in aqueous phase. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 1129-1134	3.6	31
63	Kinetic modeling of pentachlorophenol adsorption onto granular activated carbon. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2009 , 40, 622-629	5.3	30
62	Ozonation of naphthalenetrisulphonic acid in the presence of activated carbons prepared from petroleum coke. <i>Applied Catalysis B: Environmental</i> , 2006 , 67, 113-120	21.8	30
61	Role of activated carbon in the photocatalytic degradation of 2,4-dichlorophenoxyacetic acid by the UV/TiO ₂ /activated carbon system. <i>Applied Catalysis B: Environmental</i> , 2012 , 126, 100-107	21.8	29
60	Effect of surface area and physical-chemical properties of graphite and graphene-based materials on their adsorption capacity towards metronidazole and trimethoprim antibiotics in aqueous solution. <i>Chemical Engineering Journal</i> , 2020 , 402, 126155	14.7	27
59	Individual and simultaneous degradation of antibiotics sulfamethoxazole and trimethoprim by UV and solar radiation in aqueous solution using bentonite and vermiculite as photocatalysts. <i>Applied Clay Science</i> , 2018 , 160, 217-225	5.2	27
58	Adsorption Kinetic Behaviour of Pure CO ₂ , N ₂ and CH ₄ in Natural Clinoptilolite at Different Temperatures. <i>Adsorption Science and Technology</i> , 2003 , 21, 81-91	3.6	27
57	Effect of temperature and ph on the adsorption of an anionic detergent on activated carbon. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 45, 231-240	3.5	24
56	Adsorption of arsenic (V) from a water solution onto a surfactant-modified zeolite. <i>Adsorption</i> , 2011 , 17, 489-496	2.6	23
55	Adsorption of Cadmium(II) from an Aqueous Solution onto Activated Carbon Cloth. <i>Separation Science and Technology</i> , 2005 , 40, 2079-2094	2.5	23
54	Intraparticle diffusion of cadmium and zinc ions during adsorption from aqueous solution on activated carbon. <i>Journal of Chemical Technology and Biotechnology</i> , 2005 , 80, 924-933	3.5	23
53	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. <i>Langmuir</i> , 2003 , 19, 10857-10861	4	22
52	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	7.9	22

51	Removal of fluoride from aqueous solution using acid and thermally treated bone char. <i>Adsorption</i> , 2016 , 22, 951-961	2.6	22
50	3D modeling of the overall adsorption rate of metronidazole on granular activated carbon at low and high concentrations in aqueous solution. <i>Chemical Engineering Journal</i> , 2018 , 349, 82-91	14.7	21
49	Removal of Pyridine from Aqueous Solution by Adsorption on an Activated Carbon Cloth. <i>Clean - Soil, Air, Water</i> , 2012 , 40, 45-53	1.6	20
48	COMPETITIVE ADSORPTION OF Cd(II) AND Zn(II) FROM AQUEOUS SOLUTION ONTO ACTIVATED CARBON. <i>Separation Science and Technology</i> , 2001 , 36, 3673-3687	2.5	19
47	Advanced oxidation with ozone of 1,3,6-naphthalenetrisulfonic acid in aqueous solution. <i>Journal of Chemical Technology and Biotechnology</i> , 2002 , 77, 148-154	3.5	17
46	Photocatalytic oxidation of diuron using nickel organic xerogel under simulated solar irradiation. <i>Science of the Total Environment</i> , 2019 , 650, 1207-1215	10.2	17
45	Adsorption of Fluoride from Aqueous Solution on Calcined and Uncalcined Layered Double Hydroxide. <i>Adsorption Science and Technology</i> , 2015 , 33, 393-410	3.6	15
44	Adsorption of Heavy Metal Ions from Aqueous Solution onto Sepiolite. <i>Adsorption Science and Technology</i> , 2011 , 29, 569-584	3.6	15
43	Sorption of Diclofenac from Aqueous Solution on an Organobentonite and Adsorption of Cadmium on Organobentonite Saturated with Diclofenac. <i>Clays and Clay Minerals</i> , 2018 , 66, 515-528	2.1	15
42	Tailoring the textural properties of an activated carbon for enhancing its adsorption capacity towards diclofenac from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 6141-6152	5.1	15
41	Degradation of emerging contaminants diclofenac, sulfamethoxazole, trimethoprim and carbamazepine by bentonite and vermiculite at a pilot solar compound parabolic collector. <i>Catalysis Today</i> , 2020 , 341, 26-36	5.3	15
40	Evaluation of mass transfer mechanisms involved during the adsorption of metronidazole on granular activated carbon in fixed bed column. <i>Journal of Water Process Engineering</i> , 2020 , 36, 101303	6.7	14
39	Synthesis of controlled-size silver nanoparticles for the administration of methotrexate drug and its activity in colon and lung cancer cells.. <i>RSC Advances</i> , 2020 , 10, 10646-10660	3.7	14
38	Antagonistic, synergistic and non-interactive competitive sorption of sulfamethoxazole-trimethoprim and sulfamethoxazole-cadmium (ii) on a hybrid clay nanosorbent. <i>Science of the Total Environment</i> , 2018 , 640-641, 1241-1250	10.2	14
37	Adsorption of Heavy Metals on Diatomite: Mechanism and Effect of Operating Variables. <i>Adsorption Science and Technology</i> , 2013 , 31, 275-291	3.6	14
36	Effect of surfactant loading and type upon the sorption capacity of organobentonite towards pyrogallol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 520, 676-685	5.1	13
35	Adsorption capacity of different types of carbon nanotubes towards metronidazole and dimetridazole antibiotics from aqueous solutions: effect of morphology and surface chemistry. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 17123-17137	5.1	13
34	Removal of Toxic Pollutants from Aqueous Solutions by Adsorption onto an Organobentonite. <i>Adsorption Science and Technology</i> , 2006 , 24, 687-799	3.6	13

33	Effect of radical peroxide promoters on the photodegradation of cytarabine antineoplastic in water. <i>Chemical Engineering Journal</i> , 2016 , 284, 995-1002	14.7	12
32	Lanthanum-doped silica xerogels for the removal of fluorides from waters. <i>Journal of Environmental Management</i> , 2018 , 213, 549-554	7.9	12
31	Role of $1 [O_2]^*$ in chlortetracycline degradation by solar radiation assisted by ruthenium metal complexes. <i>Chemical Engineering Journal</i> , 2016 , 284, 896-904	14.7	12
30	Behavior of two different constituents of natural organic matter in the removal of sodium dodecylbenzenesulfonate by O_3 and O_3 -based advanced oxidation processes. <i>Journal of Colloid and Interface Science</i> , 2008 , 325, 432-9	9.3	12
29	Fast synthesis of micro/mesoporous xerogels: Textural and energetic assessment. <i>Microporous and Mesoporous Materials</i> , 2015 , 209, 2-9	5.3	11
28	Halide removal from waters by silver nanoparticles and hydrogen peroxide. <i>Science of the Total Environment</i> , 2017 , 607-608, 649-657	10.2	11
27	Adsorption of Phenol from Aqueous Solution on to Activated Carbon. Effect of Solvent, Temperature and Particle Size. <i>Adsorption Science and Technology</i> , 1999 , 17, 533-543	3.6	10
26	Competitive Adsorption of Dimetridazole and Metronidazole Antibiotics on Carbon Materials from Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1	2.6	9
25	Organic xerogels doped with Tris(2,2'-bipyridine) ruthenium(II) as hydroxyl radical promoters: Synthesis, characterization, and photoactivity. <i>Chemical Engineering Journal</i> , 2016 , 306, 289-297	14.7	9
24	Competitive Adsorption of Heavy Metals from Aqueous Solution onto Oxidized Activated Carbon Fiber. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1	2.6	9
23	A novel two-step route for synthesizing pure Ta ₂ O ₅ nanoparticles with enhanced photocatalytic activity. <i>Ceramics International</i> , 2019 , 45, 6268-6274	5.1	9
22	Degradation of the diuretic hydrochlorothiazide by UV/Solar radiation assisted oxidation processes. <i>Journal of Environmental Management</i> , 2020 , 257, 109973	7.9	8
21	Oxidation of sulfonamides by ferrate(VI): Reaction kinetics, transformation byproducts and toxicity assesment. <i>Journal of Environmental Management</i> , 2020 , 255, 109927	7.9	8
20	Arsenic Elimination from Water Solutions by Adsorption on Bone Char. Effect of Operating Conditions and Removal from Actual Drinking Water. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	7
19	Role of Carboxylic Sites in the Adsorption of Nickel (II) and Zinc (II) onto Plain and Oxidized Activated Carbon Fibers. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	7
18	Kinetic Modelling of Naphthalenesulphonic Acid Adsorption from Aqueous Solution onto Untreated and Ozonated Activated Carbons. <i>Adsorption Science and Technology</i> , 2009 , 27, 395-411	3.6	7
17	Adsorption of Diclofenac from Aqueous Solution onto Carbon Xerogels: Effect of Synthesis Conditions and Presence of Bacteria. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	7
16	Ozonation in aqueous phase of sodium dodecylbenzenesulphonate in the presence of powdered activated carbon. <i>Carbon</i> , 2005 , 43, 3031-3034	10.4	5

15	Halide removal from water using silver doped magnetic-microparticles. <i>Journal of Environmental Management</i> , 2020 , 253, 109731	7.9	5
14	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). <i>Water (Switzerland)</i> , 2019 , 11, 2332	3	5
13	The adsorption kinetics of sodium dodecylbenzenesulfonate on activated carbon. Branched-pore diffusional model revisited and comparison with other diffusional models. <i>Chemical Engineering Communications</i> , 2020 , 207, 705-721	2.2	5
12	Comparison between diffusional and first-order kinetic model, and modeling the adsorption kinetics of pyridine onto granular activated carbon. <i>Desalination and Water Treatment</i> , 2015 , 55, 637-646		4
11	Equilibrium and Kinetic Adsorption of Organic Compounds onto Organobentonite: Application of a Surface Diffusion Model. <i>Adsorption Science and Technology</i> , 2011 , 29, 1007-1024	3.6	4
10	Influence of presence of tannic acid on removal of sodium dodecylbenzenesulphonate by O ₃ and advanced oxidation processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2009 , 84, 367-375	3.5	4
9	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	2.6	3
8	Adsorption of selenium (iv) oxoanions on calcined layered double hydroxides of mg-al-co ₃ from aqueous solution. effect of calcination and reconstruction of lamellar structure. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021 , 100580	3.3	3
7	Competitive exchange of lead(II) and cadmium(II) from aqueous solution on clinoptilolite. <i>Studies in Surface Science and Catalysis</i> , 2002 , 142, 1849-1856	1.8	2
6	Ciprofloxacin, ranitidine, and chlorphenamine removal from aqueous solution by adsorption. Mechanistic and regeneration analysis. <i>Environmental Technology and Innovation</i> , 2021 , 102060	7	2
5	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. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 23204-23219	5.1	1
4	Single adsorption of diclofenac and ronidazole from aqueous solution on commercial activated carbons: effect of chemical and textural properties.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
3	Removal of tetracycline from aqueous solutions by adsorption on raw Ca-bentonite. Effect of operating conditions and adsorption mechanism. <i>Chemical Engineering Journal</i> , 2022 , 432, 134428	14.7	0
2	A novel intraparticle mass transfer model for the biosorption rate of methylene blue on white pine (<i>Pinus durangensis</i>) sawdust. Diffusion-permeation. <i>Chemical Engineering Research and Design</i> , 2021 , 172, 43-52	5.5	0
1	Organoclays. Fundamentals and Applications for Removing Toxic Pollutants from Water Solution. <i>Engineering Materials</i> , 2021 , 341-363	0.4	