

# Raúl Ocampo-Páez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8154803/publications.pdf>

Version: 2024-02-01

61  
papers

3,587  
citations

186209

28  
h-index

155592

55  
g-index

61  
all docs

61  
docs citations

61  
times ranked

5000  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceuticals as emerging contaminants and their removal from water. A review. <i>Chemosphere</i> , 2013, 93, 1268-1287.	4.2	1,122
2	Tetracycline removal from water by adsorption/bioadsorption on activated carbons and sludge-derived adsorbents. <i>Journal of Environmental Management</i> , 2013, 131, 16-24.	3.8	249
3	Environmental impact of phthalic acid esters and their removal from water and sediments by different technologies – A review. <i>Journal of Environmental Management</i> , 2012, 109, 164-178.	3.8	239
4	Adsorption of Fluoride from Water Solution on Bone Char. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 9205-9212.	1.8	207
5	Biosorption mechanism of Methylene Blue from aqueous solution onto White Pine ( <i>Pinus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 32-40.	2.1	155
6	Comparative study of the photodegradation of bisphenol A by HO, SO <sub>4</sub> <sup>•-</sup> and CO <sub>3</sub> <sup>•-</sup> /HCO <sub>3</sub> radicals in aqueous phase. <i>Science of the Total Environment</i> , 2013, 463-464, 423-431.	3.9	120
7	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.	5.0	107
8	Removal of diethyl phthalate from water solution by adsorption, photo-oxidation, ozonation and advanced oxidation process (UV/H <sub>2</sub> O <sub>2</sub> , O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> and O <sub>3</sub> /activated carbon). <i>Science of the Total Environment</i> , 2013, 442, 26-35.	3.9	91
9	Cooperative adsorption of bisphenol-A and chromium(III) ions from water on activated carbons prepared from olive-mill waste. <i>Carbon</i> , 2014, 73, 338-350.	5.4	87
10	Modeling adsorption rate of organic micropollutants present in landfill leachates onto granular activated carbon. <i>Journal of Colloid and Interface Science</i> , 2012, 385, 174-182.	5.0	76
11	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.	6.6	62
12	Synthesis of biochar from chili seeds and its application to remove ibuprofen from water. Equilibrium and 3D modeling. <i>Science of the Total Environment</i> , 2019, 655, 1397-1408.	3.9	56
13	Modeling adsorption rate of tetracyclines on activated carbons from aqueous phase. <i>Chemical Engineering Research and Design</i> , 2015, 104, 579-588.	2.7	52
14	Removal of Cr (VI) from an aqueous solution using an activated carbon obtained from teakwood sawdust: Kinetics, equilibrium, and density functional theory calculations. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103702.	3.3	51
15	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.	1.4	50
16	Single and competitive adsorption of Cd(II) and Pb(II) ions from aqueous solutions onto industrial chili seeds ( <i>Capsicum annum</i> ) waste. <i>Sustainable Environment Research</i> , 2017, 27, 61-69.	2.1	50
17	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.	2.6	50
18	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.	3.8	49

#	ARTICLE	IF	CITATIONS
19	Removal of bisphenols A and S by adsorption on activated carbon clothes enhanced by the presence of bacteria. <i>Science of the Total Environment</i> , 2019, 669, 767-776.	3.9	48
20	3D modeling of overall adsorption rate of acetaminophen on activated carbon pellets. <i>Chemical Engineering Journal</i> , 2017, 321, 510-520.	6.6	44
21	Removal of fluoride from aqueous solution using acid and thermally treated bone char. <i>Adsorption</i> , 2016, 22, 951-961.	1.4	39
22	Adsorption rate of Reactive Black 5 on chitosan based materials: geometry and swelling effects. <i>Adsorption</i> , 2016, 22, 973-983.	1.4	39
23	Synthesis and characterization of hydrochar from industrial <i>Capsicum annum</i> seeds and its application for the adsorptive removal of methylene blue from water. <i>Environmental Research</i> , 2020, 184, 109334.	3.7	35
24	Treatment of water contaminated with diphenolic acid by gamma radiation in the presence of different compounds. <i>Chemical Engineering Journal</i> , 2013, 219, 371-379.	6.6	33
25	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.	6.6	33
26	Single, competitive, and dynamic adsorption on activated carbon of compounds used as plasticizers and herbicides. <i>Science of the Total Environment</i> , 2015, 537, 335-342.	3.9	31
27	Customizable Heterogeneous Catalysts: Nonchanneled Advanced Monolithic Supports Manufactured by 3D-Printing for Improved Active Phase Coating Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54573-54584.	4.0	31
28	Synthesis and characterization of carbon xerogel/graphene hybrids as adsorbents for metronidazole pharmaceutical removal: Effect of operating parameters. <i>Separation and Purification Technology</i> , 2020, 237, 116341.	3.9	29
29	Adsorption of sulfamethoxazole, sulfadiazine and sulfametazine in single and ternary systems on activated carbon. Experimental and DFT computations. <i>Journal of Molecular Liquids</i> , 2021, 324, 114740.	2.3	29
30	Metronidazole photodegradation in aqueous solution by using photosensitizers and hydrogen peroxide. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1202-1208.	1.6	28
31	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.	2.7	28
32	Removal of Pyridine from Aqueous Solution by Adsorption on an Activated Carbon Cloth. <i>Clean - Soil, Air, Water</i> , 2012, 40, 45-53.	0.7	25
33	Gelatin-based porous silicon hydrogel composites for the controlled release of tramadol. <i>European Polymer Journal</i> , 2018, 108, 485-497.	2.6	24
34	Removal of compounds used as plasticizers and herbicides from water by means of gamma irradiation. <i>Science of the Total Environment</i> , 2016, 569-570, 518-526.	3.9	22
35	Design and application of molecularly imprinted polymers for adsorption and environmental assessment of anti-inflammatory drugs in wastewater samples. <i>Environmental Science and Pollution Research</i> , 2022, 29, 45885-45902.	2.7	20
36	Effect of radical peroxide promoters on the photodegradation of cytarabine antineoplastic in water. <i>Chemical Engineering Journal</i> , 2016, 284, 995-1002.	6.6	16

#	ARTICLE	IF	CITATIONS
37	Catalytic Conversion of n-C7 Asphaltenes and Resins II into Hydrogen Using CeO <sub>2</sub> -Based Nanocatalysts. <i>Nanomaterials</i> , 2021, 11, 1301.	1.9	13
38	Diatomite cross-linked $\gamma$ -Cyclodextrin polymers: A novel vision of diatomite adsorbent for the removal of bisphenol A. <i>Environmental Technology and Innovation</i> , 2021, 23, 101602.	3.0	13
39	Iron precursor salt effect on the generation of OH radicals and sulfamethoxazole degradation through a heterogeneous Fenton process using Carbon-Fe catalysts. <i>Journal of Water Process Engineering</i> , 2020, 36, 101273.	2.6	12
40	Removal of sulfamethoxazole, sulfadiazine, and sulfamethazine by UV radiation and HO $\cdot$ and SO <sub>4</sub> $\cdot^-$ radicals using a response surface model and DFT calculations. <i>Environmental Science and Pollution Research</i> , 2020, 27, 41609-41622.	2.7	11
41	Monolithic carbon xerogels-metal composites for crude oil removal from oil in-saltwater emulsions and subsequent regeneration through oxidation process: Composites synthesis, adsorption studies, and oil decomposition experiments. <i>Microporous and Mesoporous Materials</i> , 2021, 319, 111039.	2.2	11
42	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.	2.7	10
43	Porous silicon microcarriers for extended release of metformin: Design, biological evaluation and 3D kinetics modeling. <i>Chemical Engineering Journal</i> , 2019, 365, 415-428.	6.6	9
44	Role of the radical promoter systems on the degradation of an antiepileptic drug using HO and SO <sub>4</sub> -species. <i>Journal of Water Process Engineering</i> , 2019, 27, 162-170.	2.6	9
45	Insights into Equilibrium and Adsorption Rate of Phenol on Activated Carbon Pellets Derived from Cigarette Butts. <i>Processes</i> , 2021, 9, 934.	1.3	9
46	Biodegradation of carbamazepine and production of bioenergy using a microbial fuel cell with bioelectrodes fabricated from devil fish bone chars. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106692.	3.3	9
47	Characterization and transformation of nanche stone ( <i>Byrsonima crassifolia</i> ) in an activated hydrochar with high adsorption capacity towards metformin in aqueous solution. <i>Chemical Engineering Research and Design</i> , 2022, 183, 580-594.	2.7	9
48	Influence of calcium species on SO <sub>2</sub> adsorption capacity of a novel carbonaceous materials and their ANN modeling. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104810.	3.3	8
49	Ibuprofen degradation and energy generation in a microbial fuel cell using a bioanode fabricated from devil fish bone char. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 874-885.	0.9	8
50	Hydrodynamic effects on the overall adsorption rate of phenol on activated carbon cloth through the advection-diffusion model application. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 267-278.	2.9	7
51	Simultaneous removal of metronidazole and Pb(II) from aqueous solution onto bifunctional activated carbons. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25916-25931.	2.7	6
52	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.	1.5	5
53	Elucidation of adsorption mechanisms and mass transfer controlling resistances during single and binary adsorption of caffeic and chlorogenic acids. <i>Environmental Science and Pollution Research</i> , 2022, 29, 26297-26311.	2.7	5
54	Removal of Antibiotics from Water by Adsorption/Biosorption on Adsorbents from Different Raw Materials. , 2017, , 139-204.		3

#	ARTICLE	IF	CITATIONS
55	Mechanism adsorption analysis during the removal of Cd <sup>2+</sup> and Cu <sup>2+</sup> onto cedar sawdust via experiment coupled with theoretical calculation: Mono- and multicomponent systems. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 18, 100715.	1.7	2
56	Effective mass diffusion and dispersion in random porous media. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 756-765.	0.9	1
57	Nonlinear MIMO Control of a Continuous Cooling Crystallizer. <i>Modelling and Simulation in Engineering</i> , 2012, 2012, 1-11.	0.4	0
58	Experimental and computational data set on adsorption of Cr (VI) from water using an activated carbon. <i>Data in Brief</i> , 2020, 29, 105292.	0.5	0
59	Mathematical Modeling of Preferential CO Oxidation Reactions under Advectionâ€“Diffusion Conditions in a 3D-Printed Reactive Monolith. <i>Industrial &amp; Engineering Chemistry Research</i> , 0, , .	1.8	0
60	Tramadol extended-release porous silicon microcarriers: A kinetic, physicochemical and biological evaluation. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 69, 103132.	1.4	0
61	Mathematical Description of the Initial Stages of a Composting Process in a Batch Bioreactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 5388-5400.	1.8	0