

Nahum A Medellin-Castillo

List of Publications by Year in descending order

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24
papers

758
citations

759233

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677142

22
g-index

26
all docs

26
docs citations

26
times ranked

1012
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of Fluoride from Water Solution on Bone Char. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 9205-9212.	3.7	207
2	Removal of diethyl phthalate from water solution by adsorption, photo-oxidation, ozonation and advanced oxidation process (UV/H ₂ O ₂ , O ₃ /H ₂ O ₂ and O ₃ /activated carbon). <i>Science of the Total Environment</i> , 2013, 442, 26-35.	8.0	91
3	Medicinal plants used in the Huasteca Potosina, MÃ©xico. <i>Journal of Ethnopharmacology</i> , 2012, 143, 292-298.	4.1	75
4	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.	4.2	50
5	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.	5.6	50
6	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
7	Removal of fluoride from aqueous solution using acid and thermally treated bone char. <i>Adsorption</i> , 2016, 22, 951-961.	3.0	39
8	Fabrication of γ -alumina fibers by sol-gel and electrospinning of aluminum nitrate precursor solutions. <i>Results in Physics</i> , 2019, 12, 193-204.	4.1	37
9	Synthesis and characterization of hydrochar from industrial <i>Capsicum annuum</i> seeds and its application for the adsorptive removal of methylene blue from water. <i>Environmental Research</i> , 2020, 184, 109334.	7.5	35
10	Formaldehyde and tripolyphosphate crosslinked chitosan hydrogels: Synthesis, characterization and modeling. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 2293-2304.	7.5	21
11	Competitive Adsorption of Heavy Metals from Aqueous Solution onto Oxidized Activated Carbon Fiber. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	17
12	Allura Red dye sorption onto electrospun zirconia nanofibers. <i>Environmental Technology and Innovation</i> , 2020, 18, 100760.	6.1	16
13	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
14	Synthesis of γ -Alumina Nano-Onions by Thermal Decomposition of Aluminum Formate. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-7.	2.7	11
15	BIOADSORCIÓN DE PLOMO (II) PRESENTE EN SOLUCIÓN ACUOSA SOBRE RESIDUOS DE FIBRAS NATURALES PROCEDENTES DE LA INDUSTRIA IXTLERA (<i>Agave lechuguilla</i> Torr. Y <i>Yucca carnerosana</i> (Trel.) McKelvey). <i>Revista Internacional De Contaminacion Ambiental</i> , 2017, 33, 269-280.	0.4	10
16	Characterization of Bone Char and Carbon Xerogel as Sustainable Alternative Bioelectrodes for Bioelectrochemical Systems. <i>Waste and Biomass Valorization</i> , 2020, 11, 4885-4894.	3.4	9
17	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.	6.7	9
18	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.	1.7	8

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19	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
20	Removal of Pollutants from Water by Adsorbents Prepared from Animal Bone Wastes. <i>Engineering Materials</i> , 2021, , 273-314.	0.6	3
21	Evaluation of a biocoagulant from devilfish invasive species for the removal of contaminants in ceramic industry wastewater. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
22	γ -Al ₂ O ₃ and β -Al ₂ O ₃ Alumina Spheres for Azo Dye (Allura Red) Removal from Aqueous Media. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	1
23	Evaluation of the Devilfish (<i>Pterygoplichthys</i> spp.) Natural Coagulant as a Treatment for the Removal of Turbidity in Fish Farm Wastewater. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	2.4	1
24	Chemical speciation of lead adsorbed onto volcanic ashes by ICP-OES and XANES. <i>Suplemento De La Revista Mexicana De Física</i> , 2022, 3, .	0.3	0