Joan Manuel RodrÃ-guez-DÃ-az

List of Publications by Year
in descending order

38 papers	634 citations	623734 14 h-index	610901 24 g-index
40 all docs	40 docs citations	40 times ranked	457 citing authors

#	Article	IF	Citations
1	Pharmaceutical compounds used in the COVID-19 pandemic: A review of their presence in water and treatment techniques for their elimination. Science of the Total Environment, 2022, 814, 152691.	8.0	77
2	Mono and binary component adsorption of phenol and cadmium using adsorbent derived from peanut shells. Journal of Cleaner Production, 2018, 201, 219-228.	9.3	76
3	Removal of Contaminants from Water by Membrane Filtration: A Review. Membranes, 2022, 12, 570.	3.0	57
4	Comprehensive Characterization of Sugarcane Bagasse Ash for Its Use as an Adsorbent. Bioenergy Research, 2015, 8, 1885-1895.	3.9	51
5	Removal of naphthenic acids using activated charcoal: Kinetic and equilibrium studies. Adsorption Science and Technology, 2018, 36, 1405-1421.	3.2	47
6	Adsorption Behavior and Mechanism of Oxytetracycline on Rice Husk Ash: Kinetics, Equilibrium, and Thermodynamics of the Process. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	46
7	Challenges in the design of electrochemical sensor for glyphosate-based on new materials and biological recognition. Science of the Total Environment, 2021, 793, 148496.	8.0	31
8	Kinetics, equilibrium, and thermodynamics of the blue 19 dye adsorption process using residual biomass attained from rice cultivation. Biomass Conversion and Biorefinery, 2022, 12, 3843-3855.	4.6	27
9	Competitive adsorption between Cu2+ and Ni2+ on corn cob activated carbon and the difference of thermal effects on mono and bicomponent systems. Journal of Environmental Chemical Engineering, 2020, 8, 104232.	6.7	25
10	Degradation of a Sunset Yellow and Tartrazine Dye Mixture: Optimization Using Statistical Design and Empirical Mathematical Modeling. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	22
11	Antimicrobial activity of silver nanoparticle colloids of different sizes and shapes against Streptococcus mutans. Research on Chemical Intermediates, 2017, 43, 5889-5899.	2.7	19
12	Contaminants in the cow's milk we consume? Pasteurization and other technologies in the elimination of contaminants. F1000Research, 2022, 11, 91.	1.6	18
13	Photodegradation applied to the treatment of phenol and derived substances catalyzed by TiO2/BiPO4 and biological toxicity analysis. Environmental Science and Pollution Research, 2017, 24, 6002-6012.	5.3	15
14	Comparative Study of the Degradation of the Diclofenac Drug Using Photo-Peroxidation and Heterogeneous Photocatalysis with UV-C and Solar Radiation. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	15
15	Advances in the Application of Nanocatalysts in Photocatalytic Processes for the Treatment of Food Dyes: A Review. Sustainability, 2021, 13, 11676.	3.2	14
16	Investigation of paracetamol degradation using LED and UV-C photo-reactors. Water Science and Technology, 2020, 81, 2545-2558.	2.5	12
17	Heterogeneous photocatalytic degradation of phenol and derivatives by (BiPO4/H2O2/UV and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2017, 34, 511-522.	2.7	11
18	Degradation of Oxytetracycline in Aqueous Solutions: Application of Homogeneous and Heterogeneous Advanced Oxidative Processes. Sustainability, 2020, 12, 8807.	3.2	11

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19	Evaluation of mass transfer in packed column for competitive adsorption of Tartrazine and brilliant blue FCF: A statistical analysis. Results in Engineering, 2022, 14, 100449.	5.1	11
20	Validation of a chromatographic method for amoxicillin determination in wastewaters after its degradation by advanced oxidation process. Desalination and Water Treatment, 2016, 57, 10988-10994.	1.0	5
21	Laboratory Adsorption Studies on Ni(II) and Zn(II) Solutions by Sugarcane-Bagasse Ash. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	5
22	Adsorption and recovery of cadmium and copper ions in mono and bicomponent systems using peanut shells biochar as a sustainable source: model development. Chemical Engineering Communications, 2022, 209, 736-756.	2.6	5
23	Degradation of Blue 1 and Yellow 6 Dyes in Binary Mixture Using Photo-Fenton/Sunlight System: Optimization by Factorial Designs. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	5
24	Preparation of adsorbents from agro-industrial wastes and their application in the removal of Cd2+ and Pb2+ ions from a binary mixture: Evaluation of ionic competition. Chemical Engineering Research and Design, 2022, 184, 152-164.	5.6	5
25	Photo-Fenton process for the degradation of blue 1 dye and estradiol benzoate hormone in binary system: Application of sunlight and UV-C radiation. Case Studies in Chemical and Environmental Engineering, 2022, 6, 100226.	6.1	5
26	Modified or Functionalized Natural Bioadsorbents: New Perspectives as Regards the Elimination of Environmental Pollutants. Environmental and Microbial Biotechnology, 2021, , 195-225.	0.7	3
27	Biocoagulants as an Alternative for Water Treatment. Environmental and Microbial Biotechnology, 2021, , 313-334.	0.7	3
28	Novel Application of Tagua Shell (Phytelephas aequatorialis) as Adsorbent Material for the Removal of Pb(II) Ions: Kinetics, Equilibrium, and Thermodynamics of the Process. Sustainability, 2022, 14, 1309.	3.2	3
29	3D Printing Technology in the Environment. Environmental and Microbial Biotechnology, 2021, , 131-160.	0.7	2
30	Degradation of the residual textile mixture cetyltrimethylammonium bromide/remazol yellow gold RNL-150%/reactive blue BF-5G: evaluation photo-peroxidation and photo-Fenton processes in LED and UV-C photoreactors. Environmental Science and Pollution Research, 2021, 28, 64630-64641.	5.3	2
31	Removal of a Mixture of Blue BF-5G and Chocolate Brown Textile Dyes Through Adsorption and Degradation: an Assessment of the Individual and Combined Processes. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	1
32	Estimation of the Bicomponent Adsorption Behavior of Dyes: A Modeling Approach. Smart Innovation, Systems and Technologies, 2022, , 41-51.	0.6	1
33	Electrochemical Biosensing of Algal Toxins. Environmental and Microbial Biotechnology, 2021, , 227-252.	0.7	1
34	Generalities of the Coagulation-Flocculation Process: A Perspective on Biocoagulants. , 2021, , 333-352.		1
35	Kinetics and equilibrium of the adsorption process of dimethoate with corn stalk. Bioremediation Journal, 2023, 27, 55-65.	2.0	1
36	Microemulsified Systems and Their Environmental Advantages for the Oil Industry. Environmental and Microbial Biotechnology, 2021, , 59-79.	0.7	0

#	Article	IF	Citations
37	Contribution of the Environmental Biotechnology to the Sustainability of the Coffee Processing Industry in Developing Countries. Environmental and Microbial Biotechnology, 2021, , 565-589.	0.7	0
38	Diffusivity of Cd (II) Ions in Several Porous Adsorbents. , 2019, , 147-158.		0