

# Joan Manuel RodrÃ-guez-DÃ-az

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4211291/publications.pdf>

Version: 2024-02-01

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	Kinetics and equilibrium of the adsorption process of dimethoate with corn stalk. <i>Bioremediation Journal</i> , 2023, 27, 55-65.	2.0	1
2	Kinetics, equilibrium, and thermodynamics of the blue 19 dye adsorption process using residual biomass attained from rice cultivation. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 3843-3855.	4.6	27
3	Adsorption and recovery of cadmium and copper ions in mono and bicomponent systems using peanut shells biochar as a sustainable source: model development. <i>Chemical Engineering Communications</i> , 2022, 209, 736-756.	2.6	5
4	Estimation of the Bicomponent Adsorption Behavior of Dyes: A Modeling Approach. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 41-51.	0.6	1
5	Pharmaceutical compounds used in the COVID-19 pandemic: A review of their presence in water and treatment techniques for their elimination. <i>Science of the Total Environment</i> , 2022, 814, 152691.	8.0	77
6	Novel Application of Tagua Shell ( <i>Phytelephas aequatorialis</i> ) as Adsorbent Material for the Removal of Pb(II) Ions: Kinetics, Equilibrium, and Thermodynamics of the Process. <i>Sustainability</i> , 2022, 14, 1309.	3.2	3
7	Contaminants in the cow's milk we consume? Pasteurization and other technologies in the elimination of contaminants. <i>F1000Research</i> , 2022, 11, 91.	1.6	18
8	Removal of Contaminants from Water by Membrane Filtration: A Review. <i>Membranes</i> , 2022, 12, 570.	3.0	57
9	Preparation of adsorbents from agro-industrial wastes and their application in the removal of Cd <sup>2+</sup> and Pb <sup>2+</sup> ions from a binary mixture: Evaluation of ionic competition. <i>Chemical Engineering Research and Design</i> , 2022, 184, 152-164.	5.6	5
10	Evaluation of mass transfer in packed column for competitive adsorption of Tartrazine and brilliant blue FCF: A statistical analysis. <i>Results in Engineering</i> , 2022, 14, 100449.	5.1	11
11	Photo-Fenton process for the degradation of blue 1 dye and estradiol benzoate hormone in binary system: Application of sunlight and UV-C radiation. <i>Case Studies in Chemical and Environmental Engineering</i> , 2022, 6, 100226.	6.1	5
12	Modified or Functionalized Natural Bioadsorbents: New Perspectives as Regards the Elimination of Environmental Pollutants. <i>Environmental and Microbial Biotechnology</i> , 2021, , 195-225.	0.7	3
13	Microemulsified Systems and Their Environmental Advantages for the Oil Industry. <i>Environmental and Microbial Biotechnology</i> , 2021, , 59-79.	0.7	0
14	Contribution of the Environmental Biotechnology to the Sustainability of the Coffee Processing Industry in Developing Countries. <i>Environmental and Microbial Biotechnology</i> , 2021, , 565-589.	0.7	0
15	3D Printing Technology in the Environment. <i>Environmental and Microbial Biotechnology</i> , 2021, , 131-160.	0.7	2
16	Laboratory Adsorption Studies on Ni(II) and Zn(II) Solutions by Sugarcane-Bagasse Ash. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	5
17	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. <i>Environmental Science and Pollution Research</i> , 2021, 28, 64630-64641.	5.3	2
18	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. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	1

#	ARTICLE	IF	CITATIONS
19	Challenges in the design of electrochemical sensor for glyphosate-based on new materials and biological recognition. <i>Science of the Total Environment</i> , 2021, 793, 148496.	8.0	31
20	Electrochemical Biosensing of Algal Toxins. <i>Environmental and Microbial Biotechnology</i> , 2021, , 227-252.	0.7	1
21	Biocoagulants as an Alternative for Water Treatment. <i>Environmental and Microbial Biotechnology</i> , 2021, , 313-334.	0.7	3
22	Generalities of the Coagulation-Flocculation Process: A Perspective on Biocoagulants. , 2021, , 333-352.		1
23	Advances in the Application of Nanocatalysts in Photocatalytic Processes for the Treatment of Food Dyes: A Review. <i>Sustainability</i> , 2021, 13, 11676.	3.2	14
24	Degradation of Blue 1 and Yellow 6 Dyes in Binary Mixture Using Photo-Fenton/Sunlight System: Optimization by Factorial Designs. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	5
25	Degradation of Oxytetracycline in Aqueous Solutions: Application of Homogeneous and Heterogeneous Advanced Oxidative Processes. <i>Sustainability</i> , 2020, 12, 8807.	3.2	11
26	Degradation of a Sunset Yellow and Tartrazine Dye Mixture: Optimization Using Statistical Design and Empirical Mathematical Modeling. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	22
27	Comparative Study of the Degradation of the Diclofenac Drug Using Photo-Peroxidation and Heterogeneous Photocatalysis with UV-C and Solar Radiation. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	15
28	Competitive adsorption between Cu <sup>2+</sup> and Ni <sup>2+</sup> on corn cob activated carbon and the difference of thermal effects on mono and bicomponent systems. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104232.	6.7	25
29	Investigation of paracetamol degradation using LED and UV-C photo-reactors. <i>Water Science and Technology</i> , 2020, 81, 2545-2558.	2.5	12
30	Adsorption Behavior and Mechanism of Oxytetracycline on Rice Husk Ash: Kinetics, Equilibrium, and Thermodynamics of the Process. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	46
31	Diffusivity of Cd (II) Ions in Several Porous Adsorbents. , 2019, , 147-158.		0
32	Removal of naphthenic acids using activated charcoal: Kinetic and equilibrium studies. <i>Adsorption Science and Technology</i> , 2018, 36, 1405-1421.	3.2	47
33	Mono and binary component adsorption of phenol and cadmium using adsorbent derived from peanut shells. <i>Journal of Cleaner Production</i> , 2018, 201, 219-228.	9.3	76
34	Photodegradation applied to the treatment of phenol and derived substances catalyzed by TiO <sub>2</sub> /BiPO <sub>4</sub> and biological toxicity analysis. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6002-6012.	5.3	15
35	Antimicrobial activity of silver nanoparticle colloids of different sizes and shapes against <i>Streptococcus mutans</i> . <i>Research on Chemical Intermediates</i> , 2017, 43, 5889-5899.	2.7	19
36	Heterogeneous photocatalytic degradation of phenol and derivatives by (BiPO <sub>4</sub> /H <sub>2</sub> O <sub>2</sub> /UV and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 2017, 34, 511-522.	2.7	11

#	ARTICLE	IF	CITATIONS
37	Validation of a chromatographic method for amoxicillin determination in wastewaters after its degradation by advanced oxidation process. <i>Desalination and Water Treatment</i> , 2016, 57, 10988-10994.	1.0	5
38	Comprehensive Characterization of Sugarcane Bagasse Ash for Its Use as an Adsorbent. <i>Bioenergy Research</i> , 2015, 8, 1885-1895.	3.9	51