

Maria Bernardo

List of Publications by Year in descending order

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47
papers

1,311
citations

331259

21
h-index

377514

34
g-index

48
all docs

48
docs citations

48
times ranked

1786
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous carbon: A versatile material for catalysis. <i>Catalysis Today</i> , 2017, 285, 194-203.	2.2	94
2	Antioxidant activity, quality parameters and mineral content of Portuguese monofloral honeys. <i>Journal of Food Composition and Analysis</i> , 2013, 30, 130-138.	1.9	91
3	Physico-chemical properties of chars obtained in the co-pyrolysis of waste mixtures. <i>Journal of Hazardous Materials</i> , 2012, 219-220, 196-202.	6.5	78
4	High efficacy on diclofenac removal by activated carbon produced from potato peel waste. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1989-2000.	1.8	70
5	Evaluation of hydrothermal carbonization as a preliminary step for the production of functional materials from biogas digestate. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 461-474.	2.6	65
6	New and Advanced Porous Carbon Materials in Fine Chemical Synthesis. Emerging Precursors of Porous Carbons. <i>Catalysts</i> , 2019, 9, 133.	1.6	56
7	Kinetic Evaluation of the Pyrolysis of Polyethylene Waste. <i>Energy & Fuels</i> , 2007, 21, 2489-2498.	2.5	52
8	Study of the Pyrolysis Kinetics of a Mixture of Polyethylene, Polypropylene, and Polystyrene. <i>Energy & Fuels</i> , 2010, 24, 6239-6247.	2.5	52
9	Evaluation of the adsorption potential of biochars prepared from forest and agri-food wastes for the removal of fluoxetine. <i>Bioresource Technology</i> , 2019, 292, 121973.	4.8	44
10	Removal of lead (Pb ²⁺) from aqueous medium by using chars from co-pyrolysis. <i>Journal of Colloid and Interface Science</i> , 2013, 409, 158-165.	5.0	42
11	Toxicity of char residues produced in the co-pyrolysis of different wastes. <i>Waste Management</i> , 2010, 30, 628-635.	3.7	41
12	New adsorbents from maize cob wastes and anaerobic digestate for H ₂ S removal from biogas. <i>Waste Management</i> , 2019, 94, 136-145.	3.7	41
13	Determination of organophosphorous pesticides in the ppq range using a simple solid-liquid phase extraction method combined with dispersive liquid-liquid microextraction. <i>Journal of Separation Science</i> , 2011, 34, 2475-2481.	1.3	35
14	Properties of chars from the gasification and pyrolysis of rice waste streams towards their valorisation as adsorbent materials. <i>Waste Management</i> , 2017, 65, 186-194.	3.7	32
15	Cr(III) removal from synthetic and industrial wastewaters by using co-gasification chars of rice waste streams. <i>Bioresource Technology</i> , 2018, 266, 139-150.	4.8	29
16	Biomass Valorization to Produce Porous Carbons: Applications in CO ₂ Capture and Biogas Upgrading to Biomethane—A Mini-Review. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	27
17	Adding value to gasification and co-pyrolysis chars as removal agents of Cr ³⁺ . <i>Journal of Hazardous Materials</i> , 2017, 321, 173-182.	6.5	25
18	Maize cob waste pre-treatments to enhance biogas production through co-anaerobic digestion with OFMSW. <i>Waste Management</i> , 2018, 72, 193-205.	3.7	24

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19	Carbon-Based Materials for the Development of Highly Dispersed Metal Catalysts: Towards Highly Performant Catalysts for Fine Chemical Synthesis. <i>Catalysts</i> , 2020, 10, 1407.	1.6	24
20	Evaluation of activated carbons produced from Maize Cob Waste for adsorption-based CO ₂ separation and biogas upgrading. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107065.	3.3	24
21	Chemical and ecotoxicological characterization of solid residues produced during the co-pyrolysis of plastics and pine biomass. <i>Journal of Hazardous Materials</i> , 2009, 166, 309-317.	6.5	23
22	Validated dispersive liquid-liquid microextraction for analysis of organophosphorous pesticides in water. <i>Journal of Separation Science</i> , 2011, 34, 1326-1332.	1.3	23
23	Dispersive liquid-liquid microextraction of organophosphorous pesticides using nonhalogenated solvents. <i>Journal of Separation Science</i> , 2012, 35, 2653-2658.	1.3	23
24	Determination of aromatic compounds in eluates of pyrolysis solid residues using HS-GC-MS and DLLME-GC-MS. <i>Talanta</i> , 2009, 80, 104-108.	2.9	22
25	Biomethane production through anaerobic co-digestion with Maize Cob Waste based on a biorefinery concept: A review. <i>Journal of Environmental Management</i> , 2019, 249, 109351.	3.8	22
26	Determination of alkylphenols in eluates from pyrolysis solid residues using dispersive liquid-liquid microextraction. <i>Chemosphere</i> , 2010, 79, 1026-1032.	4.2	21
27	Characterization of chars produced in the co-pyrolysis of different wastes: Decontamination study. <i>Journal of Hazardous Materials</i> , 2012, 207-208, 28-35.	6.5	20
28	Activation of co-pyrolysis chars from rice wastes to improve the removal of Cr ³⁺ from simulated and real industrial wastewaters. <i>Journal of Cleaner Production</i> , 2020, 267, 121993.	4.6	20
29	Porous carbons derived from hydrothermally treated biogas digestate. <i>Waste Management</i> , 2020, 105, 170-179.	3.7	20
30	Nanoporous carbons prepared from argan nutshells as potential removal agents of diclofenac and paroxetine. <i>Journal of Molecular Liquids</i> , 2021, 326, 115368.	2.3	20
31	Leaching behaviour and ecotoxicity evaluation of chars from the pyrolysis of forestry biomass and polymeric materials. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 9-15.	2.9	17
32	Enhanced Catalytic Properties of Carbon supported Zirconia and Sulfated Zirconia for the Green Synthesis of Benzodiazepines. <i>ChemCatChem</i> , 2018, 10, 5215-5223.	1.8	15
33	Porous carbons-derived from vegetal biomass in the synthesis of quinoxalines. Mechanistic insights. <i>Catalysis Today</i> , 2020, 354, 90-99.	2.2	13
34	Acidic porous carbons involved in the green and selective synthesis of benzodiazepines. <i>Catalysis Today</i> , 2020, 357, 64-73.	2.2	13
35	Study of the removal mechanism of aquatic emergent pollutants by new bio-based chars. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22698-22708.	2.7	12
36	Multi-component adsorption study by using bone char: modelling and removal mechanisms. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 789-804.	1.2	11

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37	Study of the Potential of Water Treatment Sludges in the Removal of Emerging Pollutants. <i>Molecules</i> , 2021, 26, 1010.	1.7	11
38	Study of the Organic Extraction and Acidic Leaching of Chars Obtained in the Pyrolysis of Plastics, Tire Rubber and Forestry Biomass Wastes. <i>Procedia Engineering</i> , 2012, 42, 1739-1746.	1.2	10
39	Activated Carbon/Pectin Composite Enterosorbent for Human Protection from Intoxication with Xenobiotics Pb(II) and Sodium Diclofenac. <i>Molecules</i> , 2022, 27, 2296.	1.7	9
40	Biocompatible locust bean gum as mesoporous carriers for naproxen delivery. <i>Materials Chemistry and Physics</i> , 2020, 239, 121973.	2.0	8
41	Recovery of Cr(III) by using chars from the co-gasification of agriculture and forestry wastes. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22723-22735.	2.7	7
42	Char from Spent Tire Rubber: A Potential Adsorbent of Remazol Yellow Dye. <i>Journal of Carbon Research</i> , 2019, 5, 76.	1.4	7
43	Highly efficient porous carbons for the removal of W(VI) oxyanion from wastewaters. <i>Journal of Hazardous Materials</i> , 2021, 412, 125201.	6.5	6
44	Recovery of phenolic compounds from multi-component solution by a synthesized activated carbon using resorcinol and formaldehyde. <i>Water Science and Technology</i> , 2018, 77, 456-466.	1.2	5
45	Functional porous carbons: Synthetic strategies and catalytic application in fine chemical synthesis. , 2021, , 299-352.		2
46	Assessment of potato peel and agro-forestry biochars supplementation on in vitro ruminal fermentation. <i>PeerJ</i> , 2020, 8, e9488.	0.9	2
47	Cr(III) dynamic removal in a fixed-bed column by using a co-gasification char. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 8145-8158.	1.8	1