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	Multi-component adsorption study by using bone char: modelling and removal mechanisms. Environmental Technology (United Kingdom), 2022, 43, 789-804.	1.2	11
2	Cr(III) dynamic removal in a fixed-bed column by using a co-gasification char. International Journal of Environmental Science and Technology, 2022, 19, 8145-8158.	1.8	1
3	Evaluation of activated carbons produced from Maize Cob Waste for adsorption-based CO2 separation and biogas upgrading. Journal of Environmental Chemical Engineering, 2022, 10, 107065.	3.3	24
4	Activated Carbon/Pectin Composite Enterosorbent for Human Protection from Intoxication with Xenobiotics Pb(II) and Sodium Diclofenac. Molecules, 2022, 27, 2296.	1.7	9
5	Functional porous carbons: Synthetic strategies and catalytic application in fine chemical synthesis. , 2021, , 299-352.		2
6	Study of the Potential of Water Treatment Sludges in the Removal of Emerging Pollutants. Molecules, 2021, 26, 1010.	1.7	11
7	Biomass Valorization to Produce Porous Carbons: Applications in CO2 Capture and Biogas Upgrading to Biomethaneâ€"A Mini-Review. Frontiers in Energy Research, 2021, 9, .	1.2	27
8	Nanoporous carbons prepared from argan nutshells as potential removal agents of diclofenac and paroxetine. Journal of Molecular Liquids, 2021, 326, 115368.	2.3	20
9	Highly efficient porous carbons for the removal of W(VI) oxyanion from wastewaters. Journal of Hazardous Materials, 2021, 412, 125201.	6.5	6
10	Porous carbons-derived from vegetal biomass in the synthesis of quinoxalines. Mechanistic insights. Catalysis Today, 2020, 354, 90-99.	2.2	13
11	Biocompatible locust bean gum as mesoporous carriers for naproxen delivery. Materials Chemistry and Physics, 2020, 239, 121973.	2.0	8
12	Acidic porous carbons involved in the green and selective synthesis of benzodiazepines. Catalysis Today, 2020, 357, 64-73.	2.2	13
13	Carbon-Based Materials for the Development of Highly Dispersed Metal Catalysts: Towards Highly Performant Catalysts for Fine Chemical Synthesis. Catalysts, 2020, 10, 1407.	1.6	24
14	Activation of co-pyrolysis chars from rice wastes to improve the removal of Cr3+ from simulated and real industrial wastewaters. Journal of Cleaner Production, 2020, 267, 121993.	4.6	20
15	Porous carbons derived from hydrothermally treated biogas digestate. Waste Management, 2020, 105, 170-179.	3.7	20
16	Assessment of potato peel and agro-forestry biochars supplementation on in vitro ruminal fermentation. PeerJ, 2020, 8, e9488.	0.9	2
17	Evaluation of the adsorption potential of biochars prepared from forest and agri-food wastes for the removal of fluoxetine. Bioresource Technology, 2019, 292, 121973.	4.8	44
18	Biomethane production through anaerobic co-digestion with Maize Cob Waste based on a biorefinery concept: A review. Journal of Environmental Management, 2019, 249, 109351.	3.8	22

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19	New and Advanced Porous Carbon Materials in Fine Chemical Synthesis. Emerging Precursors of Porous Carbons. Catalysts, 2019, 9, 133.	1.6	56
20	New adsorbents from maize cob wastes and anaerobic digestate for H2S removal from biogas. Waste Management, 2019, 94, 136-145.	3.7	41
21	Recovery of Cr(III) by using chars from the co-gasification of agriculture and forestry wastes. Environmental Science and Pollution Research, 2019, 26, 22723-22735.	2.7	7
22	Char from Spent Tire Rubber: A Potential Adsorbent of Remazol Yellow Dye. Journal of Carbon Research, 2019, 5, 76.	1.4	7
23	Maize cob waste pre-treatments to enhance biogas production through co-anaerobic digestion with OFMSW. Waste Management, 2018, 72, 193-205.	3.7	24
24	Recovery of phenolic compounds from multi-component solution by a synthesized activated carbon using resorcinol and formaldehyde. Water Science and Technology, 2018, 77, 456-466.	1.2	5
25	Enhanced Catalytic Properties of Carbon supported Zirconia and Sulfated Zirconia for the Green Synthesis of Benzodiazepines. ChemCatChem, 2018, 10, 5215-5223.	1.8	15
26	Cr(III) removal from synthetic and industrial wastewaters by using co-gasification chars of rice waste streams. Bioresource Technology, 2018, 266, 139-150.	4.8	29
27	Porous carbon: A versatile material for catalysis. Catalysis Today, 2017, 285, 194-203.	2.2	94
28	Evaluation of hydrothermal carbonization as a preliminary step for the production of functional materials from biogas digestate. Journal of Analytical and Applied Pyrolysis, 2017, 124, 461-474.	2.6	65
29	Properties of chars from the gasification and pyrolysis of rice waste streams towards their valorisation as adsorbent materials. Waste Management, 2017, 65, 186-194.	3.7	32
30	Study of the removal mechanism of aquatic emergent pollutants by new bio-based chars. Environmental Science and Pollution Research, 2017, 24, 22698-22708.	2.7	12
31	Adding value to gasification and co-pyrolysis chars as removal agents of Cr3+. Journal of Hazardous Materials, 2017, 321, 173-182.	6.5	25
32	High efficacy on diclofenac removal by activated carbon produced from potato peel waste. International Journal of Environmental Science and Technology, 2016, 13, 1989-2000.	1.8	70
33	Leaching behaviour and ecotoxicity evaluation of chars from the pyrolysis of forestry biomass and polymeric materials. Ecotoxicology and Environmental Safety, 2014, 107, 9-15.	2.9	17
34	Removal of lead (Pb2+) from aqueous medium by using chars from co-pyrolysis. Journal of Colloid and Interface Science, 2013, 409, 158-165.	5.0	42
35	Antioxidant activity, quality parameters and mineral content of Portuguese monofloral honeys. Journal of Food Composition and Analysis, 2013, 30, 130-138.	1.9	91
36	Study of the Organic Extraction and Acidic Leaching of Chars Obtained in the Pyrolysis of Plastics, Tire Rubber and Forestry Biomass Wastes. Procedia Engineering, 2012, 42, 1739-1746.	1.2	10

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37	Dispersive liquidâ€“liquid microextraction of organophosphorous pesticides using nonhalogenated solvents. Journal of Separation Science, 2012, 35, 2653-2658.	1.3	23
38	Characterization of chars produced in the co-pyrolysis of different wastes: Decontamination study. Journal of Hazardous Materials, 2012, 207-208, 28-35.	6.5	20
39	Physico-chemical properties of chars obtained in the co-pyrolysis of waste mixtures. Journal of Hazardous Materials, 2012, 219-220, 196-202.	6.5	78
40	Validated dispersive liquidâ€“liquid microextraction for analysis of organophosphorous pesticides in water. Journal of Separation Science, 2011, 34, 1326-1332.	1.3	23
41	Determination of organophosphorous pesticides in the ppq range using a simple solidâ€phase extraction method combined with dispersive liquidâ€“liquid microextraction. Journal of Separation Science, 2011, 34, 2475-2481.	1.3	35
42	Toxicity of char residues produced in the co-pyrolysis of different wastes. Waste Management, 2010, 30, 628-635.	3.7	41
43	Study of the Pyrolysis Kinetics of a Mixture of Polyethylene, Polypropylene, and Polystyrene. Energy & Fuels, 2010, 24, 6239-6247.	2.5	52
44	Determination of alkylphenols in eluates from pyrolysis solid residues using dispersive liquidâ€“liquid microextraction. Chemosphere, 2010, 79, 1026-1032.	4.2	21
45	Chemical and ecotoxicological characterization of solid residues produced during the co-pyrolysis of plastics and pine biomass. Journal of Hazardous Materials, 2009, 166, 309-317.	6.5	23
46	Determination of aromatic compounds in eluates of pyrolysis solid residues using HS-GCâ€“MS and DLLMEâ€“GCâ€“MS. Talanta, 2009, 80, 104-108.	2.9	22
47	Kinetic Evaluation of the Pyrolysis of Polyethylene Waste. Energy & Fuels, 2007, 21, 2489-2498.	2.5	52