Daniele Perondi

List of Publications by Year in descending order

45 papers	1,306 citations	471061 17 h-index	360668 35 g-index
45 all docs	45 docs citations	45 times ranked	1465 citing authors

#	Article	IF	Citations
1	New biochar from pecan nutshells as an alternative adsorbent for removing reactive red 141 from aqueous solutions. Journal of Cleaner Production, 2018, 171, 57-65.	4.6	174
2	Development of CO2 activated biochar from solid wastes of a beer industry and its application for methylene blue adsorption. Waste Management, 2018, 78, 630-638.	3.7	131
3	Development of high quality activated carbon from biological sludge and its application for dyes removal from aqueous solutions. Science of the Total Environment, 2019, 660, 277-287.	3.9	109
4	A detailed non-isothermal kinetic study of elephant grass pyrolysis from different models. Applied Thermal Engineering, 2017, 110, 1200-1211.	3.0	77
5	Phosphorus adsorption in Fe-loaded activated carbon: Two-site monolayer equilibrium model and phenomenological kinetic description. Chemical Engineering Journal, 2019, 361, 751-763.	6.6	57
6	Biochars from animal wastes as alternative materials to treat colored effluents containing basic red 9. Journal of Environmental Chemical Engineering, 2019, 7, 103446.	3.3	54
7	Development of highly porous activated carbon from Jacaranda mimosifolia seed pods for remarkable removal of aqueous-phase ketoprofen. Journal of Environmental Chemical Engineering, 2021, 9, 105676.	3.3	54
8	The role of CaO in the steam gasification of plastic wastes recovered from the municipal solid waste in a fluidized bed reactor. Chemical Engineering Research and Design, 2020, 140, 60-67.	2.7	52
9	Water hyacinth (Eichhornia crassipes) roots, an amazon natural waste, as an alternative biosorbent to uptake a reactive textile dye from aqueous solutions. Ecological Engineering, 2020, 150, 105817.	1.6	50
10	Preparation and characterization of a metal-rich activated carbon from CCA-treated wood for CO2 capture. Chemical Engineering Journal, 2017, 321, 614-621.	6.6	47
11	Treatment of effluents containing 2-chlorophenol by adsorption onto chemically and physically activated biochars. Journal of Environmental Chemical Engineering, 2020, 8, 104473.	3.3	47
12	Steam gasification of poultry litter biochar for bio-syngas production. Chemical Engineering Research and Design, 2017, 109, 478-488.	2.7	47
13	Pyrolysis of Medium Density Fiberboard (MDF) wastes in a screw reactor. Energy Conversion and Management, 2015, 92, 223-233.	4.4	46
14	Cellulose/biochar aerogels with excellent mechanical and thermal insulation properties. Cellulose, 2019, 26, 9071-9083.	2.4	46
15	Chitin derived biochar as an alternative adsorbent to treat colored effluents containing methyl violet dye. Advanced Powder Technology, 2019, 30, 1494-1503.	2.0	40
16	Adsorption of leather dyes on activated carbon from leather shaving wastes: kinetics, equilibrium and thermodynamics studies. Environmental Technology (United Kingdom), 2019, 40, 2756-2768.	1.2	39
17	Simultaneous production of mesoporous biochar and palmitic acid by pyrolysis of brewing industry wastes. Waste Management, 2020, 113, 96-104.	3.7	26
18	From cellulose to graphene-like porous carbon nanosheets. Microporous and Mesoporous Materials, 2021, 323, 111217.	2.2	18

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19	Enhancement of biogas and methane production by anaerobic digestion of swine manure with addition of microorganisms isolated from sewage sludge. Chemical Engineering Research and Design, 2016, 104, 233-239.	2.7	16
20	Production of Carbon Foams from Rice Husk. Materials Research, 2019, 22, .	0.6	16
21	Characteristics of Pyrolysis Products from Waste Tyres and Spent Foundry Sand Co-Pyrolysis. Progress in Rubber, Plastics and Recycling Technology, 2016, 32, 213-240.	0.8	14
22	Conversion of MDF wastes into a char with remarkable potential to remove Food Red 17 dye from aqueous effluents. Chemosphere, 2020, 250, 126248.	4.2	13
23	The role of CaO and its influence on chlorine during the thermochemical conversion of shredder residue. Chemical Engineering Research and Design, 2019, 122, 58-67.	2.7	12
24	Cellulose/Biochar Cryogels: A Study of Adsorption Kinetics and Isotherms. Langmuir, 2021, 37, 3180-3188.	1.6	12
25	Evaluation of the structural changes of a char produced by slow pyrolysis of biomass and of a high-ash coal during its combustion and their role in the reactivity and flue gas emissions. Energy, 2020, 202, 117793.	4.5	12
26	Evaluation of vulcanization nanoactivators with low zinc content: characterization of zinc oxides, cure, physicoâ€mechanical properties, Zn²⁺ release in water and cytotoxic effect of <scp>EPDM</scp> compositions. Polymer Engineering and Science, 2018, 58, 1800-1809.	1.5	11
27	CO2 gasification of elephant grass: Effect of Ni/mayenite catalyst on dry reforming of tar. Biomass and Bioenergy, 2020, 143, 105829.	2.9	11
28	Carbon foam production by biomass pyrolysis. Journal of Porous Materials, 2020, 27, 1119-1125.	1.3	11
29	The influence of water-soluble inorganic matter on combustion of grape pomace and its chars produced by slow and fast pyrolysis. Fuel, 2021, 284, 118880.	3.4	10
30	Thermal decomposition of polymeric resin [(C29H24N2O5)n]: Kinetic parameters and mechanisms. Polymer Degradation and Stability, 2012, 97, 2110-2117.	2.7	8
31	Steam catalytic gasification of elephant grass pellets. Chemical Engineering Research and Design, 2022, 162, 620-630.	2.7	6
32	Critical analysis of non-isothermal kinetics of poultry litter pyrolysis. Journal of Thermal Analysis and Calorimetry, 2018, 134, 2329-2338.	2.0	5
33	Synergistic effect of the activated carbon addition from leather wastes in chitosan/alginate-based composites. Environmental Science and Pollution Research, 2021, 28, 48666-48680.	2.7	5
34	CO2 gasification of elephant grass in a fixed bed reactor. Scientia Cum Industria, 2018, 6, 27-30.	0.1	5
35	Performance evaluation of natural catalysts during the thermochemical conversion of poultry litter. Chemical Engineering Research and Design, 2019, 131, 144-151.	2.7	4
36	Ultrasonication-promoted synthesis of Ni/mayenite for catalytic reforming of biomass tar. Ultrasonics Sonochemistry, 2020, 67, 105165.	3.8	4

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37	Pyrolysis of grape bagasse to produce char for Cu(II) adsorption: a circular economy perspective. Biomass Conversion and Biorefinery, 2024, 14, 3947-3964.	2.9	4
38	Study of mayenite produced from waste eggshell as support for Niâ€“Co catalysts for biomass tar cracking. Chemical Engineering Research and Design, 2021, 176, 218-228.	2.7	3
39	Development of activated carbon from Schizolobium parahyba (guapuruvu) residues employed for the removal of ketoprofen. Environmental Science and Pollution Research, 2022, 29, 21860-21875.	2.7	3
40	CO2 adsorption by cryogels produced from poultry litter wastes. Polimeros, 2022, 32, .	0.2	3
41	Influence of the addition of carbon structures in cellulose cryogels. Journal of Porous Materials, 2021, 28, 279-288.	1.3	2
42	Factorial design application to evaluate thermochemical conversion of shredder residues. Chemical Engineering Research and Design, 2018, 114, 97-106.	2.7	1
43	Multi-technique characterization of chromated copper arsenate-treated wooden utility poles from the Brazilian electricity network. European Journal of Wood and Wood Products, 2019, 77, 279-291.	1.3	1
44	DETERMINATION OF THE GIANT-BAMBOO PYROLYSIS KINETIC PARAMETERS. , 0, , .		0
45	ComparaÃ§Ã£o da produÃ§Ã£o de biogÃ¡s a partir da digestÃ£o anaerÃ³bia de diferentes tipos de lodo. Scientia Cum Industria, 2016, 4, 69-73.	0.1	0