

Andr Luiz Cazetta

List of Publications by Citations

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papers

3,617
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44
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4,296
ext. citations

8.8
avg, IF

5.48
L-index

#	Paper	IF	Citations
44	Removal of tetracycline by NaOH-activated carbon produced from macadamia nut shells: Kinetic and equilibrium studies. <i>Chemical Engineering Journal</i> , 2015 , 260, 291-299	14.7	407
43	NaOH-activated carbon of high surface area produced from coconut shell: Kinetics and equilibrium studies from the methylene blue adsorption. <i>Chemical Engineering Journal</i> , 2011 , 174, 117-125	14.7	365
42	KOH-activated carbon prepared from sucrose spherical carbon: Adsorption equilibrium, kinetic and thermodynamic studies for Methylene Blue removal. <i>Chemical Engineering Journal</i> , 2016 , 286, 476-484	14.7	329
41	Adsorption of methylene blue on activated carbon produced from flamboyant pods (<i>Delonix regia</i>): Study of adsorption isotherms and kinetic models. <i>Chemical Engineering Journal</i> , 2011 , 168, 722-730	14.7	320
40	NaOH-activated carbon of high surface area produced from guava seeds as a high-efficiency adsorbent for amoxicillin removal: Kinetic, isotherm and thermodynamic studies. <i>Chemical Engineering Journal</i> , 2016 , 288, 778-788	14.7	240
39	Magnetic Activated Carbon Derived from Biomass Waste by Concurrent Synthesis: Efficient Adsorbent for Toxic Dyes. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1058-1068	8.3	183
38	Mesoporous activated carbon from industrial laundry sewage sludge: Adsorption studies of reactive dye Remazol Brilliant Blue R. <i>Chemical Engineering Journal</i> , 2016 , 303, 467-476	14.7	165
37	Adsorption of caffeine on mesoporous activated carbon fibers prepared from pineapple plant leaves. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 147, 64-71	7	158
36	Adsorption studies of methylene blue onto ZnCl ₂ -activated carbon produced from buriti shells (<i>Mauritia flexuosa</i> L.). <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 4401-4407	6.3	153
35	Synthesis of ZnCl ₂ -activated carbon from macadamia nut endocarp (<i>Macadamia integrifolia</i>) by microwave-assisted pyrolysis: Optimization using RSM and methylene blue adsorption. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 105, 166-176	6	97
34	KOH-super activated carbon from biomass waste: Insights into the paracetamol adsorption mechanism and thermal regeneration cycles. <i>Journal of Hazardous Materials</i> , 2019 , 371, 499-505	12.8	97
33	Mesoporous activated carbon fibers synthesized from denim fabric waste: Efficient adsorbents for removal of textile dye from aqueous solutions. <i>Journal of Cleaner Production</i> , 2018 , 171, 482-490	10.3	96
32	Kinetic and equilibrium studies: Adsorption of food dyes Acid Yellow 6, Acid Yellow 23, and Acid Red 18 on activated carbon from flamboyant pods. <i>Chemical Engineering Journal</i> , 2012 , 181-182, 243-250	14.7	96
31	Preparation and characterization of activated carbon from a new raw lignocellulosic material: flamboyant (<i>Delonix regia</i>) pods. <i>Journal of Environmental Management</i> , 2011 , 92, 178-84	7.9	95
30	Sol-gel synthesis of new TiO ₂ /activated carbon photocatalyst and its application for degradation of tetracycline. <i>Ceramics International</i> , 2017 , 43, 4411-4418	5.1	94
29	Bone char-derived metal-free N- and S-co-doped nanoporous carbon and its efficient electrocatalytic activity for hydrazine oxidation. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 30-39	21.8	78
28	New magnetic chitosan/alginate/Fe ₃ O ₄ @SiO ₂ hydrogel composites applied for removal of Pb(II) ions from aqueous systems. <i>Chemical Engineering Journal</i> , 2018 , 337, 595-608	14.7	76

27	Thermal regeneration study of high surface area activated carbon obtained from coconut shell: Characterization and application of response surface methodology. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 101, 53-60	6	68
26	Hydrothermal carbonization of coffee husk: Optimization of experimental parameters and adsorption of methylene blue dye. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 4841-4849	6.8	54
25	CO ₂ -spherical activated carbon as a new adsorbent for Methylene Blue removal: Kinetic, equilibrium and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2018 , 269, 132-139	6	51
24	Synthesis and application of N ₂ -doped mesoporous carbon obtained from nanocasting method using bone char as heteroatom precursor and template. <i>Chemical Engineering Journal</i> , 2016 , 300, 54-63	14.7	50
23	N-doped ordered mesoporous carbons with improved charge storage capacity by tailoring N-dopant density with solvent-assisted synthesis. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15181-15190 ¹³		45
22	Porosity enhancement of spherical activated carbon: Influence and optimization of hydrothermal synthesis conditions using response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 991-999	6.8	29
21	Bone char prepared by CO ₂ atmosphere: Preparation optimization and adsorption studies of Remazol Brilliant Blue R. <i>Journal of Cleaner Production</i> , 2017 , 161, 288-298	10.3	28
20	Stevia residue as new precursor of CO-activated carbon: Optimization of preparation condition and adsorption study of triclosan. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 172, 403-410	7	27
19	Percolation as new method of preparation of modified biosorbents for pollutants removal. <i>Chemical Engineering Journal</i> , 2016 , 283, 1305-1314	14.7	24
18	Metal-free ovalbumin-derived N-S-co-doped nanoporous carbon materials as efficient electrocatalysts for oxygen reduction reaction. <i>Applied Surface Science</i> , 2019 , 467-468, 75-83	6.7	22
17	Nanoporous Heteroatom-Doped Carbons Derived from Cotton Waste: Efficient Hydrazine Oxidation Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2019 , 2, 2313-2323	6.1	20
16	H ₃ PO ₄ -activated carbon fibers of high surface area from banana tree pseudo-stem fibers: Adsorption studies of methylene blue dye in batch and fixed bed systems. <i>Journal of Molecular Liquids</i> , 2021 , 324, 114771	6	20
15	Synthesis of superparamagnetic activated carbon for paracetamol removal from aqueous solution. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112282	6	16
14	Optimization of sulfonation process for the development of carbon-based catalyst from crambe meal via response surface methodology. <i>Energy Conversion and Management</i> , 2020 , 217, 112975	10.6	15
13	Inexpensive Bismuth-Film Electrode Supported on Pencil-Lead Graphite for Determination of Pb(II) and Cd(II) Ions by Anodic Stripping Voltammetry. <i>International Journal of Analytical Chemistry</i> , 2018 , 2018, 1473706	1.4	15
12	Sugarcane vinasse-derived nanoporous N-S-doped carbon material decorated with Co: A new and efficient multifunctional electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 9669-9682	6.7	14
11	Steam-activated carbon from malt bagasse: Optimization of preparation conditions and adsorption studies of sunset yellow food dye. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103001	5.9	14
10	Activated carbon fibers prepared from cellulose and polyester-derived residues and their application on removal of Pb ²⁺ ions from aqueous solution. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111450	6	13

9	Thermally activated carbon from bovine bone: Optimization of synthesis conditions by response surface methodology. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 110, 455-462	6	12
8	Preparation of biosorbents from the Jatoba (<i>Hymenaea courbaril</i>) fruit shell for removal of Pb(II) and Cd(II) from aqueous solution. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 632	3.1	11
7	Chemometric study of thermal treatment effect on the P25 photoactivity for degradation of tartrazine yellow dye. <i>Ceramics International</i> , 2018 , 44, 12292-12300	5.1	8
6	Optimization of thermal conditions of sol-gel method for synthesis of TiO ₂ using RSM and its influence on photodegradation of tartrazine yellow dye. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104753	6.8	6
5	The use of chemometric tools for screening and optimization of variables in the preparation and application of carbon-based materials. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 121, 321-336	5.3	2
4	Caffeine adsorption on activated biochar derived from macrophytes (<i>Eichornia crassipes</i>). <i>Journal of Molecular Liquids</i> , 2021 , 340, 117206	6	2
3	Sulfonated carbon: synthesis, properties and production of biodiesel. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022 , 170, 108668	3.7	1
2	N-doped spherical activated carbon from dye adsorption: Bifunctional electrocatalyst for hydrazine oxidation and oxygen reduction. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107458	6.8	1
1	Biochar from the mixture of poultry litter and charcoal fines as soil conditioner: Optimization of preparation conditions via response surface methodology. <i>Bioresource Technology Reports</i> , 2021 , 15, 100800	4.1	0