

AndrÃ© Luiz Cazetta

List of Publications by Year in descending order

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44
papers

5,071
citations

185998

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243296

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all docs

44
docs citations

44
times ranked

5788
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	6.6	570
2	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.	6.6	464
3	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.	6.6	454
4	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.	6.6	432
5	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.	6.6	348
6	Adsorption of caffeine on mesoporous activated carbon fibers prepared from pineapple plant leaves. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 64-71.	2.9	235
7	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.	3.2	234
8	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.	6.6	220
9	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.	2.9	189
10	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.	6.5	172
11	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.	4.6	139
12	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.	2.3	135
13	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, 178-184.	3.8	125
14	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.	2.6	123
15	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.	6.6	119
16	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.	6.6	118
17	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.	10.8	115
18	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.	2.6	81

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19	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.	3.3	79
20	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.	2.3	72
21	Synthesis and application of Nâ€“S-doped mesoporous carbon obtained from nanocasting method using bone char as heteroatom precursor and template. <i>Chemical Engineering Journal</i> , 2016, 300, 54-63.	6.6	58
22	H ₃ PO ₄ â€“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.	2.3	53
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.	5.2	50
24	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.	4.6	47
25	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.	3.3	38
26	Stevia residue as new precursor of CO ₂ -activated carbon: Optimization of preparation condition and adsorption study of triclosan. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 403-410.	2.9	38
27	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.	2.3	37
28	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.	4.4	33
29	Synthesis of superparamagnetic activated carbon for paracetamol removal from aqueous solution. <i>Journal of Molecular Liquids</i> , 2020, 300, 112282.	2.3	30
30	Nanoporous Heteroatom-Doped Carbons Derived from Cotton Waste: Efficient Hydrazine Oxidation Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2019, 2, 2313-2323.	2.5	29
31	Percolation as new method of preparation of modified biosorbents for pollutants removal. <i>Chemical Engineering Journal</i> , 2016, 283, 1305-1314.	6.6	26
32	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.	3.1	26
33	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, 1-9.	0.4	23
34	Sulfonated carbon: synthesis, properties and production of biodiesel. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 170, 108668.	1.8	21
35	Activated carbon fibers prepared from cellulose and polyesterâ€“derived residues and their application on removal of Pb ²⁺ ions from aqueous solution. <i>Journal of Molecular Liquids</i> , 2019, 289, 111150.	2.3	20
36	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.	3.8	20

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37	Caffeine adsorption on activated biochar derived from macrophytes (<i>Eichornia crassipes</i>). <i>Journal of Molecular Liquids</i> , 2021, 340, 117206.	2.3	19
38	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.	2.6	18
39	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.	3.3	18
40	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.	1.3	17
41	Chemometric study of thermal treatment effect on the P25 photoactivity for degradation of tartrazine yellow dye. <i>Ceramics International</i> , 2018, 44, 12292-12300.	2.3	11
42	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.	2.7	7
43	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.	1.5	4
44	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.	3.3	4