

Lucas Spessato

List of Publications by Citations

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27
papers

1,007
citations

14
h-index

28
g-index

28
ext. papers

1,307
ext. citations

7.6
avg. IF

4.53
L-index

#	Paper	IF	Citations
27	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
26	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
25	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
24	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
23	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
22	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
21	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
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	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
16	Synthesis of superparamagnetic activated carbon for paracetamol removal from aqueous solution. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112282	6	16
15	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
14	Optimization of Sibipiruna activated carbon preparation by simplex-centroid mixture design for simultaneous adsorption of rhodamine B and metformin. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125166	12.8	15
13	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
12	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
11	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, 111150	6	13

10	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
9	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
8	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
7	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
6	Caffeine adsorption on activated biochar derived from macrophytes (<i>Eichornia crassipes</i>). <i>Journal of Molecular Liquids</i> , 2021 , 340, 117206	6	2
5	Physicochemical regeneration of industrial spent activated carbons using a green activating agent and their adsorption for methyl orange. <i>Surfaces and Interfaces</i> , 2022 , 29, 101696	4.1	1
4	Sulfonated carbon: synthesis, properties and production of biodiesel. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022 , 170, 108668	3.7	1
3	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
2	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
1	Nitrogen-doped activated carbons with high performances for CO ₂ adsorption. <i>Journal of CO₂ Utilization</i> , 2022 , 61, 102013	7.6	0