

Karen Cristina Bedin

List of Publications by Year in descending order

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26
papers

2,758
citations

448610

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620720

26
g-index

27
all docs

27
docs citations

27
times ranked

3834
citing authors

#	ARTICLE	IF	CITATIONS
1	On electron loss lowering at hematite photoelectrode interfaces. <i>Journal of the American Ceramic Society</i> , 2023, 106, 79-92.	1.9	6
2	Solution chemistry back-contact FTO/hematite interface engineering for efficient photocatalytic water oxidation. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1247-1257.	6.9	14
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.	3.3	4
4	Advances in Engineered Metal Oxide Thin Films by Low-Cost, Solution-Based Techniques for Green Hydrogen Production. <i>Nanomaterials</i> , 2022, 12, 1957.	1.9	5
5	Revealing the synergy of Sn insertion in hematite for next-generation solar water splitting nanoceramics. <i>International Journal of Ceramic Engineering & Science</i> , 2020, 2, 204-227.	0.5	16
6	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
7	Role of Cocatalysts on Hematite Photoanodes in Photoelectrocatalytic Water Splitting: Challenges and Future Perspectives. <i>ChemCatChem</i> , 2020, 12, 3156-3169.	1.8	35
8	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
9	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.	2.3	20
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	Percolation as new method of preparation of modified biosorbents for pollutants removal. <i>Chemical Engineering Journal</i> , 2016, 283, 1305-1314.	6.6	26
25	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
26	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