

Kenneth G Latham

List of Publications by Year in descending order

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18
papers

368
citations

1039880

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887953

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18
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18
times ranked

593
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen Doping of Hydrochars Produced Hydrothermal Treatment of Sucrose in H ₂ O, H ₂ SO ₄ , and NaOH. ACS Sustainable Chemistry and Engineering, 2014, 2, 755-764.	3.2	78
2	Synchrotron based NEXAFS study on nitrogen doped hydrothermal carbon: Insights into surface functionalities and formation mechanisms. Carbon, 2017, 114, 566-578.	5.4	72
3	The impact of hydrothermal carbonization on the surface functionalities of wet waste materials for water treatment applications. Environmental Science and Pollution Research, 2020, 27, 24369-24379.	2.7	39
4	Nitrogen doped heat treated and activated hydrothermal carbon: NEXAFS examination of the carbon surface at different temperatures. Carbon, 2018, 128, 179-190.	5.4	34
5	Molecular structures driving pseudo-capacitance in hydrothermal nanostructured carbons. RSC Advances, 2016, 6, 12964-12976.	1.7	28
6	Influence of ammonium salts and temperature on the yield, morphology and chemical structure of hydrothermally carbonized saccharides. SN Applied Sciences, 2019, 1, 1.	1.5	18
7	Valorization of Humic Acids by Hydrothermal Conversion into Carbonaceous Materials: Physical and Functional Properties. ACS Sustainable Chemistry and Engineering, 2019, 7, 2585-2592.	3.2	16
8	Examination of how variations in lignin properties from Kraft and organosolv extraction influence the physicochemical characteristics of hydrothermal carbon. Journal of Analytical and Applied Pyrolysis, 2021, 155, 105095.	2.6	16
9	Electrodeposition Mechanism of Cathodically-Prepared Manganese dioxide Thin Films from Permanganate for use in Electrochemical Capacitors. Electrochimica Acta, 2017, 236, 198-211.	2.6	10
10	Nitrogen Doped Heat-Treated and Activated Hydrothermal Carbon: Examination of Electrochemical Performance Using Step Potential Electrochemical Spectroscopy. Journal of the Electrochemical Society, 2018, 165, A2840-A2848.	1.3	10
11	Influence of counter ions of ammonium for nitrogen doping and carbon properties in hydrothermal carbonization: characterization and supercapacitor performance. Materials Advances, 2021, 2, 384-397.	2.6	10
12	Electrical double layer formation on glassy carbon in aqueous solution. Electrochimica Acta, 2021, 386, 138416.	2.6	9
13	Self-generation of low ash carbon microspheres from the hydrothermal supernatant of anaerobic digestate: Formation insights and supercapacitor performance. Chemical Engineering Journal Advances, 2021, 6, 100097.	2.4	8
14	Combined step potential electrochemical spectroscopy and electrochemical impedance spectroscopy analysis of the glassy carbon electrode in an aqueous electrolyte. Electrochimica Acta, 2021, 396, 139220.	2.6	8
15	The influence of inorganic components and carbon-oxygen surface functionalities in activated hydrothermally carbonized waste materials for water treatment. Environmental Science and Pollution Research, 2020, 27, 38072-38083.	2.7	4
16	Thermodynamic and kinetic examination of the glassy carbon electrode in neutral aqueous electrolytes. Journal of Power Sources Advances, 2021, 10, 100062.	2.6	4
17	Capacitive Charge Storage at the Glassy Carbon Electrode: Comparison Between Aqueous and Non-Aqueous Electrolytes. Journal of the Electrochemical Society, 2021, 168, 100508.	1.3	4
18	Supercapacitors from Waste: Converting Pulp and Paper Mill Waste to Nitrogen Doped Supercapacitors. ECS Meeting Abstracts, 2019, . .	0.0	0