Kenneth G Latham

List of Publications by Year
in descending order

18	368	1170033 9	993246 17
papers	citations	h-index	g-index

18	18	18	659
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	Electrical double layer formation on glassy carbon in aqueous solution. Electrochimica Acta, 2021, 386, 138416.	2.6	9
5	Thermodynamic and kinetic examination of the glassy carbon electrode in neutral aqueous electrolytes. Journal of Power Sources Advances, 2021, 10, 100062.	2.6	4
6	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
7	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
8	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
9	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
10	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
11	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
12	Supercapacitors from Waste: Converting Pulp and Paper Mill Waste to Nitrogen Doped Supercapacitors. ECS Meeting Abstracts, 2019, , .	0.0	0
13	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
14	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
15	Synchrotron based NEXAFS study on nitrogen doped hydrothermal carbon: Insights into surface functionalities and formation mechanisms. Carbon, 2017, 114, 566-578.	5.4	72
16	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
17	Molecular structures driving pseudo-capacitance in hydrothermal nanostructured carbons. RSC Advances, 2016, 6, 12964-12976.	1.7	28
18	Nitrogen Doping of Hydrochars Produced Hydrothermal Treatment of Sucrose in H₂O, H₂SO₄, and NaOH. ACS Sustainable Chemistry and Engineering, 2014, 2, 755-764.	3.2	78