

Lucas Q Flagg

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

796
citations

933447

10
h-index

1125743

13
g-index

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all docs

14
docs citations

14
times ranked

785
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer Crystallinity Controls Water Uptake in Glycol Side-Chain Polymer Organic Electrochemical Transistors. <i>Journal of the American Chemical Society</i> , 2019, 141, 4345-4354.	13.7	179
2	Anion-Dependent Doping and Charge Transport in Organic Electrochemical Transistors. <i>Chemistry of Materials</i> , 2018, 30, 5380-5389.	6.7	125
3	Side-chain tuning in conjugated polymer photocatalysts for improved hydrogen production from water. <i>Energy and Environmental Science</i> , 2020, 13, 1843-1855.	30.8	92
4	A Reversible Structural Phase Transition by Electrochemically-Driven Ion Injection into a Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2020, 142, 7434-7442.	13.7	74
5	Fullerene Active Layers for n-Type Organic Electrochemical Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28138-28144.	8.0	70
6	Reversible Electrochemical Charging of n-Type Conjugated Polymer Electrodes in Aqueous Electrolytes. <i>Journal of the American Chemical Society</i> , 2021, 143, 14795-14805.	13.7	62
7	Ion Exchange Gels Allow Organic Electrochemical Transistor Operation with Hydrophobic Polymers in Aqueous Solution. <i>Advanced Materials</i> , 2020, 32, e2002610.	21.0	61
8	P-Type Electrochemical Doping Can Occur by Cation Expulsion in a High-Performing Polymer for Organic Electrochemical Transistors. , 2020, 2, 254-260.		53
9	Side chain engineering control of mixed conduction in oligoethylene glycol-substituted polythiophenes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21410-21423.	10.3	25
10	Impact of varying side chain structure on organic electrochemical transistor performance: a series of oligoethylene glycol-substituted polythiophenes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10738-10749.	10.3	18
11	In Situ Studies of the Swelling by an Electrolyte in Electrochemical Doping of Ethylene Glycol-Substituted Polythiophene. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29052-29060.	8.0	13
12	Defect Tolerance of π -Conjugated Polymer Crystal Lattices and Their Relevance to Optoelectronic Applications. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1466-1475.	4.4	10
13	Generalizable Framework for Algorithmic Interpretation of Thin Film Morphologies in Scanning Probe Images. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 3387-3397.	5.4	10
14	Cantilever Ringdown Dissipation Imaging for the Study of Loss Processes in Polymer/Fullerene Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12369-12376.	3.1	4