## Forrest S Gittleson

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Towards controlling the reversibility of anionic redox in transition metal oxides for high-energy Li-ion positive electrodes. Energy and Environmental Science, 2021, 14, 2322-2334.	30.8	41
2	Enhanced Cycling of Ni-Rich Positive Electrodes by Fluorine Modification. Journal of the Electrochemical Society, 2021, 168, 060538.	2.9	10
3	Probing Depth-Dependent Transition-Metal Redox of Lithium Nickel, Manganese, and Cobalt Oxides in Li-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 55865-55875.	8.0	14
4	Lithium-enriched graphite anode surfaces investigated using nuclear reaction analysis. Chemical Communications, 2020, 56, 14665-14668.	4.1	0
5	Nickel and Cobalt Oxidation State Evolution at Ni-Rich NMC Cathode Surfaces during Treatment. Journal of Physical Chemistry C, 2020, 124, 16508-16514.	3.1	17
6	Correlating structure and transport behavior in Li <sup>+</sup> and O <sub>2</sub> containing pyrrolidinium ionic liquids. Physical Chemistry Chemical Physics, 2019, 21, 17176-17189.	2.8	8
7	Oxygen solubility and transport in Li–air battery electrolytes: establishing criteria and strategies for electrolyte design. Energy and Environmental Science, 2017, 10, 1167-1179.	30.8	103
8	Exploring a wider range of Mg–Ca–Zn metallic glass as biocompatible alloys using combinatorial sputtering. Chemical Communications, 2017, 53, 8288-8291.	4.1	27
9	Non-Faradaic Li <sup>+</sup> Migration and Chemical Coordination across Solid-State Battery Interfaces. Nano Letters, 2017, 17, 6974-6982.	9.1	58
10	A New Design Strategy for Observing Lithium Oxide Growth-Evolution Interactions Using Geometric Catalyst Positioning. Nano Letters, 2016, 16, 4799-4806.	9.1	25
11	Pt and Pd catalyzed oxidation of Li <sub>2</sub> O <sub>2</sub> and DMSO during Li–O <sub>2</sub> battery charging. Chemical Communications, 2016, 52, 6605-6608.	4.1	45
12	Heme biomolecule as redox mediator and oxygen shuttle for efficient charging of lithium-oxygen batteries. Nature Communications, 2016, 7, 12925.	12.8	122
13	Guided Evolution of Bulk Metallic Glass Nanostructures: A Platform for Designing 3D Electrocatalytic Surfaces. Advanced Materials, 2016, 28, 1940-1949.	21.0	71
14	Electrocatalysts: Guided Evolution of Bulk Metallic Glass Nanostructures: A Platform for Designing 3D Electrocatalytic Surfaces (Adv. Mater. 10/2016). Advanced Materials, 2016, 28, 1902-1902.	21.0	0
15	Raman Spectroscopy in Lithium–Oxygen Battery Systems. ChemElectroChem, 2015, 2, 1446-1457.	3.4	123
16	A Mesoporous Catalytic Membrane Architecture for Lithium–Oxygen Battery Systems. Nano Letters, 2015, 15, 434-441.	9.1	78
17	Enhanced photoelectrochemical and sensing performance of novel TiO2 arrays to H2O2 detection. Sensors and Actuators B: Chemical, 2015, 211, 111-115.	7.8	29
18	Ultrathin Nanotube/Nanowire Electrodes by Spin–Spray Layer-by-Layer Assembly: A Concept for Transparent Energy Storage. ACS Nano, 2015, 9, 10005-10017.	14.6	55

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19	A high power density miniaturized microbial fuel cell having carbon nanotube anodes. Journal of Power Sources, 2015, 273, 823-830.	7.8	112
20	Catalyst and electrolyte synergy in Li–O2 batteries. Physical Chemistry Chemical Physics, 2014, 16, 3230.	2.8	67
21	Operando Observation of the Gold–Electrolyte Interface in Li–O <sub>2</sub> Batteries. ACS Applied Materials & Interfaces, 2014, 6, 19017-19025.	8.0	70
22	Bulk Metallic Glass Micro Fuel Cell. Small, 2013, 9, 2081-2085.	10.0	85
23	Pd–Ni–Cu–P metallic glass nanowires for methanol and ethanol oxidation in alkaline media. International Journal of Hydrogen Energy, 2013, 38, 11248-11255.	7.1	75
24	Fuel Cells: Bulk Metallic Glass Micro Fuel Cell (Small 12/2013). Small, 2013, 9, 2026-2026.	10.0	1
25	Stratified rod network model of electrical conductance in ultrathin polymer–carbon nanotube multilayers. Physical Review B, 2013, 87, .	3.2	7
26	Polymer coating of vanadium oxide nanowires to improve cathodic capacity in lithium batteries. Journal of Materials Chemistry A, 2013, 1, 7979.	10.3	21
27	Carbon nanotube based anodes in a miniaturized microbial fuel cell (MFC) towards high power density and efficiency. , 2012, , .		0
28	Scalable Fabrication of Multifunctional Freestanding Carbon Nanotube/Polymer Composite Thin Films for Energy Conversion. ACS Nano, 2012, 6, 1347-1356.	14.6	84
29	Improving the Assembly Speed, Quality, and Tunability of Thin Conductive Multilayers. ACS Nano, 2012, 6, 3703-3711.	14.6	53
30	Hydrogen Production from Methanol over Gold Supported on ZnO and CeO <sub>2</sub> Nanoshapes. Journal of Physical Chemistry C, 2011, 115, 1261-1268.	3.1	47