

# Samson Y Lai

## List of Publications by Year in descending order

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19  
papers

1,072  
citations

933447

10  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced and Emerging Negative Electrodes for Li-Ion Capacitors: Pragmatism vs. Performance. Energies, 2021, 14, 3010.	3.1	4
2	Morphology engineering of silicon nanoparticles for better performance in Li-ion battery anodes. Nanoscale Advances, 2020, 2, 5335-5342.	4.6	21
3	Silicon Nanoparticle Ensembles for Lithium-Ion Batteries Elucidated by Small-Angle Neutron Scattering. ACS Applied Energy Materials, 2019, 2, 3220-3227.	5.1	24
4	Shock compression induced devitrification of amorphous Ce3Al melt-spun ribbons. AIP Conference Proceedings, 2017, , .	0.4	0
5	Thermally sprayed high-performance porous metal-supported solid oxide fuel cells with nanostructured $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ cathodes. Journal of Materials Chemistry A. 2016. 4. 7461-7468.	10.3	25
6	Composites of Single/Double Perovskites as Cathodes for Solid Oxide Fuel Cells. Energy Technology, 2016, 4, 804-808.	3.8	11
7	In situ Raman spectroscopic analysis of the coking resistance mechanism on $\text{SrZr}_{0.95}\text{Y}_{0.05}\text{O}_{3-x}$ surface for solid oxide fuel cell anodes. Journal of Power Sources, 2016, 324, 282-287.	7.8	4
8	A high-performance, cobalt-free cathode for intermediate-temperature solid oxide fuel cells with excellent CO <sub>2</sub> tolerance. Journal of Power Sources, 2016, 319, 178-184.	7.8	30
9	Structure and surface chemistry of Al <sub>2</sub> O <sub>3</sub> coated LiMn <sub>2</sub> O <sub>4</sub> nanostructured electrodes with improved lifetime. Journal of Power Sources, 2016, 306, 162-170.	7.8	89
10	Collaboration and change in the research networks of five Energy Frontier Research Centers. Research Evaluation, 2016, , rvw006.	2.6	4
11	In Situ Probing of the Mechanisms of Coking Resistance on Catalyst-Modified Anodes for Solid Oxide Fuel Cells. Chemistry of Materials, 2015, 27, 822-828.	6.7	54
12	Synchrotron X-ray Based <i>Operando</i> Studies of Atomic and Electronic Structure in Batteries. Materials and Energy, 2015, , 79-108.	0.1	0
13	Electrostatic Force Microscopic Characterization of Early Stage Carbon Deposition on Nickel Anodes in Solid Oxide Fuel Cells. Nano Letters, 2015, 15, 6047-6050.	9.1	10
14	Understanding the phase formation and compositions of barium carbonate modified NiO-ytria stabilized zirconia for fuel cell applications. International Journal of Hydrogen Energy, 2015, 40, 15597-15604.	7.1	7
15	Evaluation of $\text{La}_{0.4}\text{Ba}_{0.6}\text{Fe}_{0.8}\text{Zn}_{0.2}\text{O}_{3-\delta}+\text{Sm}_{0.2}\text{Ce}_{0.8}\text{O}_{1.9}$ as a potential cobalt-free composite cathode for intermediate temperature solid oxide fuel cells. Journal of Power Sources, 2015, 275, 808-814.	7.8	32
16	Hydrothermal synthesis of LiMn <sub>2</sub> O <sub>4</sub> onto carbon fiber paper current collector for binder free lithium-ion battery positive electrodes. Journal of Power Sources, 2014, 251, 411-416.	7.8	38
17	Enhancing SOFC cathode performance by surface modification through infiltration. Energy and Environmental Science, 2014, 7, 552.	30.8	680
18	<i>Operando</i> and <i>In-situ</i> X-ray Spectroscopies of Degradation in $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ Thin Film Cathodes in Fuel Cells. ChemSusChem, 2014, 7, 3078-3087.	6.8	30

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19	Combinatorial Nanopowder Synthesis Along the ZnO-Al <sub>2</sub> O <sub>3</sub> Tie Line Using Liquid-Feed Flame Spray Pyrolysis. Journal of the American Ceramic Society, 2011, 94, 3308-3318.	3.8	8