

Shawn Sallis

List of Publications by Year in descending order

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papers

2,006
citations

279798

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395702

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docs citations

34
times ranked

3636
citing authors

#	ARTICLE	IF	CITATIONS
1	High Reversibility of Lattice Oxygen Redox Quantified by Direct Bulk Probes of Both Anionic and Cationic Redox Reactions. <i>Joule</i> , 2019, 3, 518-541.	24.0	225
2	Mitigating oxygen loss to improve the cycling performance of high capacity cation-disordered cathode materials. <i>Nature Communications</i> , 2017, 8, 981.	12.8	197
3	Perovskite Sr-doped LaCrO_3 as a New p-type Transparent Conducting Oxide. <i>Advanced Materials</i> , 2015, 27, 5191-5195.	21.0	160
4	Origin of the Bipolar Doping Behavior of SnO from X-ray Spectroscopy and Density Functional Theory. <i>Chemistry of Materials</i> , 2013, 25, 3114-3123.	6.7	135
5	Unraveling the Cationic and Anionic Redox Reactions in a Conventional Layered Oxide Cathode. <i>ACS Energy Letters</i> , 2019, 4, 2836-2842.	17.4	111
6	High-efficiency <i>in situ</i> resonant inelastic x-ray scattering (iRIXS) endstation at the Advanced Light Source. <i>Review of Scientific Instruments</i> , 2017, 88, 033106.	1.3	107
7	Nature of the Metal Insulator Transition in Ultrathin Epitaxial Vanadium Dioxide. <i>Nano Letters</i> , 2013, 13, 4857-4861.	9.1	90
8	Dissociate lattice oxygen redox reactions from capacity and voltage drops of battery electrodes. <i>Science Advances</i> , 2020, 6, eaaw3871.	10.3	82
9	La-doped BaSnO_3 Degenerate perovskite transparent conducting oxide: Evidence from synchrotron x-ray spectroscopy. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	81
10	Elucidating the Nature of Pseudo Jahn-Teller Distortions in Li_xMnPO_4 : Combining Density Functional Theory with Soft and Hard X-ray Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10383-10396.	3.1	72
11	Evolution of the Electrode-Electrolyte Interface of $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$ Electrodes Due to Electrochemical and Thermal Stress. <i>Chemistry of Materials</i> , 2018, 30, 958-969.	6.7	71
12	Origin of deep subgap states in amorphous indium gallium zinc oxide: Chemically disordered coordination of oxygen. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	67
13	Adsorption-controlled growth of BiVO_4 by molecular-beam epitaxy. <i>APL Materials</i> , 2013, 1, .	5.1	65
14	Thermodynamics, Kinetics and Structural Evolution of $\mu\text{-LiVOPO}_4$ over Multiple Lithium Intercalation. <i>Chemistry of Materials</i> , 2016, 28, 1794-1805.	6.7	64
15	Revisiting the charge compensation mechanisms in $\text{LiNi}_{0.8}\text{Co}_{0.2}\text{Al}_y\text{O}_2$ systems. <i>Materials Horizons</i> , 2019, 6, 2112-2123.	12.2	62
16	Fingerprint Oxygen Redox Reactions in Batteries through High-Efficiency Mapping of Resonant Inelastic X-ray Scattering. <i>Condensed Matter</i> , 2019, 4, 5.	1.8	44
17	Role of lone pair electrons in determining the optoelectronic properties of BiCuOSe . <i>Physical Review B</i> , 2012, 85, .	3.2	42
18	Photoemission evidence for crossover from Peierls-like to Mott-like transition in highly strained VO_2 . <i>Physical Review B</i> , 2012, 86, .	3.2	38

#	ARTICLE	IF	CITATIONS
19	Correlating the phase evolution and anionic redox in Co-Free Ni-Rich layered oxide cathodes. Nano Energy, 2020, 78, 105365.	16.0	36
20	Lone-Pair Stabilization in Transparent Amorphous Tin Oxides: A Potential Route to p-Type Conduction Pathways. Chemistry of Materials, 2016, 28, 4706-4713.	6.7	33
21	Distinction between Intrinsic and X-ray-Induced Oxidized Oxygen States in Li-Rich 3d Layered Oxides and LiAlO ₂ . Journal of Physical Chemistry C, 2019, 123, 13201-13207.	3.1	33
22	Simultaneous Structural and Electronic Transitions in Epitaxial VO_2		