

# Steven Letourneau

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

421  
citations

933447

10  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

798  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailored PEDOT:PSS hole transport layer for higher performance in perovskite solar cells: Enhancement of electrical and optical properties with improved morphology. <i>Journal of Energy Chemistry</i> , 2020, 44, 41-50.	12.9	105
2	Atomic layer deposition of HfO <sub>2</sub> films using carbon-free tetrakis(tetrahydroborato)hafnium and water. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	2.1	7
3	Molecular Layer Etching of Metalcone Films Using Lithium Organic Salts and Trimethylaluminum. <i>Chemistry of Materials</i> , 2020, 32, 992-1001.	6.7	5
4	Descriptor-Based Analysis of Atomic Layer Deposition Mechanisms on Spinel LiMn <sub>2</sub> O <sub>4</sub> Lithium-Ion Battery Cathodes. <i>Chemistry of Materials</i> , 2020, 32, 1794-1806.	6.7	29
5	Probing the Atomic-Scale Structure of Amorphous Aluminum Oxide Grown by Atomic Layer Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 22804-22814.	8.0	23
6	High-Rate Spinel LiMn <sub>2</sub> O <sub>4</sub> (LMO) Following Carbonate Removal and Formation of Li-Rich Interface by ALD Treatment. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23783-23790.	3.1	22
7	Formation of Unsaturated Hydrocarbons and Hydrogen: Surface Chemistry of Methyltrioxorhenium(VII) in ALD of Mixed-Metal Oxide Structures Comprising Re(III) Units. <i>Chemistry of Materials</i> , 2019, 31, 7821-7832.	6.7	8
8	Introducing Nonstructural Ligands to Zirconia-like Metal-Organic Framework Nodes To Tune the Activity of Node-Supported Nickel Catalysts for Ethylene Hydrogenation. <i>ACS Catalysis</i> , 2019, 9, 3198-3207.	11.2	68
9	Atomic layer deposition of molybdenum disulfide films using MoF <sub>6</sub> and H <sub>2</sub> S. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	2.1	29
10	Structural Evolution of Molybdenum Disulfide Prepared by Atomic Layer Deposition for Realization of Large Scale Films in Microelectronic Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 4028-4037.	5.0	28
11	Lattice constant prediction of defective rare earth titanate perovskites. <i>Journal of Solid State Chemistry</i> , 2014, 219, 99-107.	2.9	7
12	Thermal Properties and Phase Transition of ZrO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> Studied by In Situ Synchrotron X-ray Diffraction. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1292-1299.	3.8	52
13	Effective size of vacancies in aliovalently doped SrTiO <sub>3</sub> perovskites. <i>Journal of Alloys and Compounds</i> , 2013, 575, 239-245.	5.5	31
14	Order-disorder transition in the (1-x)Li <sub>2</sub> TiO <sub>3</sub> -xMgO system (0 ≤ x ≤ 0.5). <i>RSC Advances</i> , 2012, 2, 1598-1604.	3.6	10
15	Structure and microwave dielectric properties of Ca <sub>5</sub> A <sub>4</sub> TiO <sub>17</sub> (A=Nb, Ta) ceramics. <i>Materials Chemistry and Physics</i> , 2010, 121, 77-82.	4.0	22
16	Structure, Microstructure, and Microwave Dielectric Properties of (Sr <sub>2-x</sub> Ca <sub>x</sub> )(MgTe)O <sub>6</sub> Double Perovskites. <i>Chemistry of Materials</i> , 2010, 22, 4572-4578.	6.7	22