

# Sven Burke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8676776/publications.pdf>

Version: 2024-02-01

10  
papers

1,109  
citations

1478505

6  
h-index

1588992

8  
g-index

10  
all docs

10  
docs citations

10  
times ranked

2457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoluminescence Lifetimes Exceeding 8 $\mu$ s and Quantum Yields Exceeding 30% in Hybrid Perovskite Thin Films by Ligand Passivation. ACS Energy Letters, 2016, 1, 438-444.	17.4	452
2	Hybrid perovskite films approaching the radiative limit with over 90% photoluminescence quantum efficiency. Nature Photonics, 2018, 12, 355-361.	31.4	408
3	Tracking Photoexcited Carriers in Hybrid Perovskite Semiconductors: Trap-Dominated Spatial Heterogeneity and Diffusion. ACS Nano, 2017, 11, 11488-11496.	14.6	105
4	Autonomous Discovery of Battery Electrolytes with Robotic Experimentation and Machine Learning. Cell Reports Physical Science, 2020, 1, 100264.	5.6	80
5	Reducing Surface Recombination Velocity of Methylammonium-Free Mixed-Cation Mixed-Halide Perovskites via Surface Passivation. Chemistry of Materials, 2021, 33, 5035-5044.	6.7	33
6	An Autonomous Electrochemical Test Stand for Machine Learning Informed Electrolyte Optimization. Journal of the Electrochemical Society, 2019, 166, A4181-A4187.	2.9	20
7	How Synthetic Quench Rate and Composition Affect the Performance of Lithium Nickel Manganese Oxide Cathode Materials. Journal of the Electrochemical Society, 2020, 167, 160518.	2.9	6
8	Chemically induced delithiation and phase change of lithium rich nickel manganese oxides. Electrochimica Acta, 2022, 407, 139817.	5.2	5
9	Chemically Induced Delithiation and Phase Change of Layered Lithium Rich Nickel Manganese Oxides. ECS Meeting Abstracts, 2021, MA2021-02, 192-192.	0.0	0
10	Surface Effects of Quench Methodology on Lithium Rich Nickel Manganese Oxide Cathode Particles. ECS Meeting Abstracts, 2022, MA2022-01, 274-274.	0.0	0