

# Yuliya Preger

## List of Publications by Year in descending order

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21  
papers

995  
citations

567281

15  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perspective "On the Safety of Aged Lithium-Ion Batteries. Journal of the Electrochemical Society, 2022, 169, 030507.	2.9	10
2	Are solid-state batteries safer than lithium-ion batteries?. Joule, 2022, 6, 742-755.	24.0	141
3	A Tanks-in-Series Approach to Estimate Parameters for Lithium-Ion Battery Models. Journal of the Electrochemical Society, 2022, 169, 050525.	2.9	4
4	Review "Knees" in Lithium-Ion Battery Aging Trajectories. Journal of the Electrochemical Society, 2022, 169, 060517.	2.9	122
5	Fiber Optic Sensing Technologies for Battery Management Systems and Energy Storage Applications. Sensors, 2021, 21, 1397.	3.8	45
6	Investigating the Role of Energy Density in Thermal Runaway of Lithium-Ion Batteries with Accelerating Rate Calorimetry. Journal of the Electrochemical Society, 2021, 168, 060516.	2.9	19
7	ENPOLITE: Comparing Lithium-Ion Cells across Energy, Power, Lifetime, and Temperature. ACS Energy Letters, 2021, 6, 2351-2355.	17.4	21
8	Ensemble Learning, Prediction and Li-Ion Cell Charging Cycle Divergence. IEEE Open Access Journal of Power and Energy, 2021, 8, 303-315.	3.4	3
9	Grid-Scale Energy Storage Systems: Ensuring safety. IEEE Electrification Magazine, 2021, 9, 19-28.	1.8	1
10	Predictive-Maintenance Practices: For Operational Safety of Battery Energy Storage Systems. IEEE Power and Energy Magazine, 2020, 18, 86-97.	1.6	15
11	Anthraquinone-Mediated Fuel Cell Anode with an Off-Electrode Heterogeneous Catalyst Accessing High Power Density When Paired with a Mediated Cathode. ACS Energy Letters, 2020, 5, 1407-1412.	17.4	15
12	Perspective "On the Need for Reliability and Safety Studies of Grid-Scale Aqueous Batteries. Journal of the Electrochemical Society, 2020, 167, 090545.	2.9	22
13	Comparison of Quinone-Based Catholytes for Aqueous Redox Flow Batteries and Demonstration of Long-Term Stability with Tetrasubstituted Quinones. Advanced Energy Materials, 2020, 10, 2000340.	19.5	42
14	Degradation of Commercial Lithium-Ion Cells as a Function of Chemistry and Cycling Conditions. Journal of the Electrochemical Society, 2020, 167, 120532.	2.9	221
15	Perspective "From Calorimetry Measurements to Furthering Mechanistic Understanding and Control of Thermal Abuse in Lithium-Ion Cells. Journal of the Electrochemical Society, 2019, 166, A2498-A2502.	2.9	15
16	Multi-scale thermal stability study of commercial lithium-ion batteries as a function of cathode chemistry and state-of-charge. Journal of Power Sources, 2019, 435, 226777.	7.8	60
17	Mechanistic Insights into Aerobic Oxidative Methyl Esterification of Primary Alcohols with Heterogeneous PdBiTe Catalysts. ACS Catalysis, 2018, 8, 1038-1047.	11.2	24
18	Quinone-Mediated Electrochemical O <sub>2</sub> Reduction Accessing High Power Density with an Off-Electrode Co-N/C Catalyst. Joule, 2018, 2, 2722-2731.	24.0	38

#	ARTICLE	IF	CITATIONS
19	Platinum-Based Heterogeneous Catalysts for Nitrile Synthesis via Aerobic Oxidative Coupling of Alcohols and Ammonia. ACS Omega, 2018, 3, 6091-6096.	3.5	42
20	PTFE-Membrane Flow Reactor for Aerobic Oxidation Reactions and Its Application to Alcohol Oxidation. Organic Process Research and Development, 2015, 19, 858-864.	2.7	55
21	Process Development of CuI/ABNO/NMI-Catalyzed Aerobic Alcohol Oxidation. Organic Process Research and Development, 2015, 19, 1548-1553.	2.7	80