

# Tatiana K Zakharchenko

## List of Publications by Year in descending order

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Version: 2024-02-01

9  
papers

162  
citations

1307594

7  
h-index

1474206

9  
g-index

10  
all docs

10  
docs citations

10  
times ranked

300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Cathodic Electric Double Layer Composition on the Performance of Aprotic Li-O <sub>2</sub> Batteries. Journal of the Electrochemical Society, 2021, 168, 030520.	2.9	9
2	Positive Electrode Passivation by Side Discharge Products in Li-O <sub>2</sub> Batteries. Langmuir, 2020, 36, 8716-8722.	3.5	9
3	Homogeneous nucleation of Li <sub>2</sub> O <sub>2</sub> under Li-O <sub>2</sub> battery discharge. Nanoscale, 2020, 12, 4591-4601.	5.6	19
4	Small-angle neutron scattering studies of pore filling in carbon electrodes: mechanisms limiting lithium-air battery capacity. Nanoscale, 2019, 11, 6838-6845.	5.6	24
5	Applying the deconvolution approach in order to enhance RRDE time resolution: Experimental noise and imposed limitations. Electrochimica Acta, 2019, 298, 858-865.	5.2	2
6	Notable Reactivity of Acetonitrile Towards Li <sub>2</sub> O <sub>2</sub> /LiO <sub>2</sub> Probed by NAP XPS During Li-O <sub>2</sub> Battery Discharge. Topics in Catalysis, 2018, 61, 2114-2122.	2.8	12
7	Magnetic resonance spectroscopy approaches for electrochemical research. Physical Sciences Reviews, 2018, 3, .	0.8	1
8	Lithium peroxide crystal clusters as a natural growth feature of discharge products in Li-O <sub>2</sub> cells. Beilstein Journal of Nanotechnology, 2013, 4, 758-762.	2.8	34
9	Protected anodes for lithium-air batteries. Solid State Ionics, 2011, 184, 62-64.	2.7	52