

# Christian Baur

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

301  
citations

933447

10  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

357  
citing authors

#	ARTICLE	IF	CITATIONS
1	From Trigonal to Cubic $\text{LiVO}_2$ : A High-Energy Phase Transition toward Disordered Rock Salt Materials. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2229-2237.	3.1	14
2	Superoxide formation in $\text{Li}_2\text{VO}_2\text{F}$ cathode material – a combined computational and experimental investigation of anionic redox activity. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16551-16559.	10.3	18
3	Short-range ordering in the Li-rich disordered rock salt cathode material $\text{Li}_2\text{VO}_2\text{F}$ revealed by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 2095-2101.	2.5	13
4	Stabilization of Li-Rich Disordered Rocksalt Oxyfluoride Cathodes by Particle Surface Modification. <i>ACS Applied Energy Materials</i> , 2020, 3, 5937-5948.	5.1	19
5	Influence of Electrolyte Additives on the Degradation of $\text{Li}_2\text{VO}_2\text{F}$ Li-Rich Cathodes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12956-12967.	3.1	8
6	Insights into Structural Transformations in the Local Structure of $\text{Li}_2\text{VO}_2\text{F}$ Using <i>Operando</i> X-ray Diffraction and Total Scattering: Amorphization and Recrystallization. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 27010-27016.	8.0	15
7	Improved cycling stability in high-capacity Li-rich vanadium containing disordered rock salt oxyfluoride cathodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21244-21253.	10.3	37
8	Calcined chicken eggshell electrode for battery and supercapacitor applications. <i>RSC Advances</i> , 2019, 9, 26981-26995.	3.6	69
9	Phase evolution in calcium molybdate nanoparticles as a function of synthesis temperature and its electrochemical effect on energy storage. <i>Nanoscale Advances</i> , 2019, 1, 565-580.	4.6	49
10	Degradation Mechanisms in $\text{Li}_2\text{VO}_2\text{F}$ Li-Rich Disordered Rock-Salt Cathodes. <i>Chemistry of Materials</i> , 2019, 31, 6084-6096.	6.7	31
11	Reversible Delithiation of Disordered Rock Salt $\text{LiVO}_2$ . <i>ChemElectroChem</i> , 2018, 5, 1484-1490.	3.4	24
12	Novel phenanthroline-diaryldiazadiene ligands with heteroditopic coordination spheres. <i>Dalton Transactions</i> , 2015, 44, 15404-15407.	3.3	4