

Johannes Wandt

List of Publications by Year in descending order

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9
papers

1,255
citations

1040056

9
h-index

1474206

9
g-index

9
all docs

9
docs citations

9
times ranked

1803
citing authors

#	ARTICLE	IF	CITATIONS
1	Singlet oxygen evolution from layered transition metal oxide cathode materials and its implications for lithium-ion batteries. <i>Materials Today</i> , 2018, 21, 825-833.	14.2	307
2	Transition metal dissolution and deposition in Li-ion batteries investigated by operando X-ray absorption spectroscopy. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18300-18305.	10.3	226
3	Quantitative and time-resolved detection of lithium plating on graphite anodes in lithium ion batteries. <i>Materials Today</i> , 2018, 21, 231-240.	14.2	163
4	Singlet Oxygen Formation during the Charging Process of an Aprotic Lithium-Oxygen Battery. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6892-6895.	13.8	146
5	Operando electron paramagnetic resonance spectroscopy of formation of mossy lithium on lithium anodes during charge-discharge cycling. <i>Energy and Environmental Science</i> , 2015, 8, 1358-1367.	30.8	128
6	Singlet Oxygen Reactivity with Carbonate Solvents Used for Li-Ion Battery Electrolytes. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8828-8839.	2.5	114
7	Singlet Oxygen Formation during the Charging Process of an Aprotic Lithium-Oxygen Battery. <i>Angewandte Chemie</i> , 2016, 128, 7006-7009.	2.0	87
8	Aging behavior of lithium iron phosphate based 18650-type cells studied by in situ neutron diffraction. <i>Journal of Power Sources</i> , 2017, 345, 85-96.	7.8	58
9	A lithium iron phosphate reference electrode for ionic liquid electrolytes. <i>Electrochemistry Communications</i> , 2018, 93, 148-151.	4.7	26