

Christophe Didier

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,520
citations

471371

17
h-index

752573

20
g-index

23
all docs

23
docs citations

23
times ranked

2518
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic Pathway Determines the Nonequilibrium Crystallography of Li- and Mn-Rich Layered Oxide Cathode Materials. ACS Applied Energy Materials, 2021, 4, 1924-1935.	2.5	15
2	Understanding Rechargeable Battery Function Using In Operando Neutron Powder Diffraction. Advanced Materials, 2020, 32, e1904528.	11.1	52
3	Elucidation of the high-voltage phase in the layered sodium ion battery cathode material $\text{P3Na}_{0.5}\text{Ni}_{0.25}\text{Mn}_{0.75}\text{O}_2$. Journal of Materials Chemistry A, 2020, 8, 21151-21162.	5.2	20
4	A Long Cycle-Life High-Voltage Spinel Lithium-Ion Battery Electrode Achieved by Site-Selective Doping. Angewandte Chemie - International Edition, 2020, 59, 10594-10602.	7.2	144
5	A Long Cycle-Life High-Voltage Spinel Lithium-Ion Battery Electrode Achieved by Site-Selective Doping. Angewandte Chemie, 2020, 132, 10681-10689.	1.6	20
6	Phase Evolution and Intermittent Disorder in Electrochemically Lithiated Graphite Determined Using in Operando Neutron Diffraction. Chemistry of Materials, 2020, 32, 2518-2531.	3.2	67
7	Designing a hybrid electrode toward high energy density with a staged Li^+ and PF_6^- deintercalation/intercalation mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2815-2823.	3.3	50
8	Insight of a Phase Compatible Surface Coating for Long-Durable Li-Rich Layered Oxide Cathode. Advanced Energy Materials, 2019, 9, 1901795.	10.2	129
9	Structural Insight into Layer Gliding and Lattice Distortion in Layered Manganese Oxide Electrodes for Potassium-Ion Batteries. Advanced Energy Materials, 2019, 9, 1900568.	10.2	125
10	Hydrogen-Containing $\text{Na}_3\text{HTi}_2\text{Mn}_2\text{F}_8$ Narrow-Band Phosphor for Light-Emitting Diodes. ACS Energy Letters, 2019, 4, 527-533.	8.8	16
11	Nano-structured rhodium doped SrTiO_3 Visible light activated photocatalyst for water decontamination. Applied Catalysis B: Environmental, 2017, 206, 547-555.	10.8	65
12	$\text{La}_{3-x}\text{Li}_x\text{W}_2\text{O}_{12}$: Ionic Diffusion in a Perovskite with Lithium on both A- and B-Sites. Chemistry of Materials, 2016, 28, 7833-7851.	3.2	27
13	Thermally and Electrochemically Driven Topotactical Transformations in Sodium Layered Oxides Na_xVO_2 . Chemistry of Materials, 2016, 28, 1462-1471.	3.2	38
14	Photocatalytic Water Oxidation by a Pyrochlore Oxide upon Irradiation with Visible Light: Rhodium Substitution Into Yttrium Titanate. Angewandte Chemie - International Edition, 2014, 53, 14480-14484.	7.2	29
15	Crystal structure of brownmillerite $\text{Ba}_2\text{InGaO}_5$. Journal of Solid State Chemistry, 2014, 218, 38-43.	1.4	29
16	Vanadium Clustering/Decustering in $\text{P2-Na}_{1/2}\text{VO}_2$ Layered Oxide. Chemistry of Materials, 2014, 26, 1538-1548.	3.2	23
17	$\text{P2-Na}_x\text{VO}_2$ system as electrodes for batteries and electron-correlated materials. Nature Materials, 2013, 12, 74-80.	13.3	388
18	$\text{O}_3\text{-Na}_{1/2}\text{VO}_2$ System: A Superstructure for $\text{Na}_{1/2}\text{VO}_2$. Inorganic Chemistry, 2012, 51, 11007-11016.	1.9	60

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19	Electrochemical Na-Deintercalation from NaVO ₂ . <i>Electrochemical and Solid-State Letters</i> , 2011, 14, A75.	2.2	217