

William D Richards

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9586438/publications.pdf>

Version: 2024-02-01

13
papers

3,239
citations

687363

13
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

4503
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorination of Lithium-Excess Transition Metal Oxide Cathode Materials. <i>Advanced Energy Materials</i> , 2018, 8, 1701533.	19.5	115
2	Design principles for high transition metal capacity in disordered rocksalt Li-ion cathodes. <i>Energy and Environmental Science</i> , 2018, 11, 2159-2171.	30.8	123
3	Compatibility issues between electrodes and electrolytes in solid-state batteries. <i>Energy and Environmental Science</i> , 2017, 10, 1150-1166.	30.8	267
4	Computational Prediction and Evaluation of Solid-State Sodium Superionic Conductors $\text{Na}_7\text{P}_3\text{X}_{11}$ (X = O, S, Se). <i>Chemistry of Materials</i> , 2017, 29, 7475-7482.	6.7	56
5	High magnesium mobility in ternary spinel chalcogenides. <i>Nature Communications</i> , 2017, 8, 1759.	12.8	212
6	Interface Stability in Solid-State Batteries. <i>Chemistry of Materials</i> , 2016, 28, 266-273.	6.7	1,132
7	About the Compatibility between High Voltage Spinel Cathode Materials and Solid Oxide Electrolytes as a Function of Temperature. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26842-26850.	8.0	193
8	Design of $\text{Li}_{1+2x}\text{Zn}_{1-x}\text{PS}_4$, a new lithium ion conductor. <i>Energy and Environmental Science</i> , 2016, 9, 3272-3278.	30.8	99
9	Structure and Dynamics of Fluorophosphate Na-Ion Battery Cathodes. <i>Chemistry of Materials</i> , 2016, 28, 5450-5460.	6.7	72
10	The thermodynamic scale of inorganic crystalline metastability. <i>Science Advances</i> , 2016, 2, e1600225.	10.3	565
11	Design and synthesis of the superionic conductor $\text{Na}_{10}\text{SnP}_2\text{S}_{12}$. <i>Nature Communications</i> , 2016, 7, 11009.	12.8	246
12	Elucidating the structure of the magnesium aluminum chloride complex electrolyte for magnesium-ion batteries. <i>Energy and Environmental Science</i> , 2015, 8, 3718-3730.	30.8	131
13	Li-ion conductivity in $\text{Li}_9\text{S}_3\text{N}$. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20338-20344.	10.3	28