

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