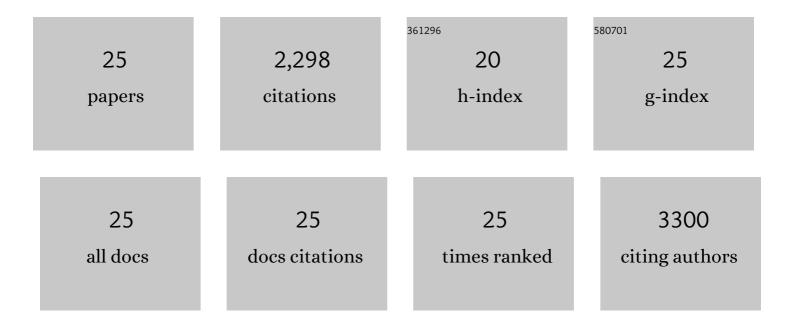
## Maxwell D Radin

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6697336/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Order-disorder versus displacive transitions in Jahn-Teller active layered materials. Physical Review Materials, 2020, 4, .	0.9	17
2	Manganese oxidation as the origin of the anomalous capacity of Mn-containing Li-excess cathode materials. Nature Energy, 2019, 4, 639-646.	19.8	164
3	Revisiting the charge compensation mechanisms in LiNi <sub>0.8</sub> Co <sub>0.2â^'y</sub> Al <sub>y</sub> O <sub>2</sub> systems. Materials Horizons, 2019, 6, 2112-2123.	6.4	62
4	Phase Stability and Electronic Structure of Tin Sulfide Compounds for Li-ion Batteries. Journal of Physical Chemistry C, 2019, 123, 29086-29095.	1.5	2
5	Fundamental insights about interlayer cation migration in Li-ion electrodes at high states of charge. Journal of Materials Chemistry A, 2019, 7, 11996-12007.	5.2	12
6	Simulating Charge, Spin, and Orbital Ordering: Application to Jahn–Teller Distortions in Layered Transition-Metal Oxides. Chemistry of Materials, 2018, 30, 607-618.	3.2	35
7	The nickel battery positive electrode revisited: stability and structure of the Î <sup>2</sup> -NiOOH phase. Journal of Materials Chemistry A, 2018, 6, 19256-19265.	5.2	27
8	Phase Evolution and Degradation Modes of <i>R</i> 3Ì <i>m</i> Li <sub><i>x</i></sub> Al <sub>Xi<sub>1â€"<i>y</i>â€"<i>z</i></sub>Co<sub><i>y</i></sub>Al<sub><i>z</i></sub>O<sub2 2<="" sub30<br="">Electrodes Cycled Near Complete Delithiation. Chemistry of Materials, 2018, 30, 7545-7574.</sub2></sub>		
9	Role of Crystal Symmetry in the Reversibility of Stacking-Sequence Changes in Layered Intercalation Electrodes. Nano Letters, 2017, 17, 7789-7795.	4.5	76
10	Narrowing the Gap between Theoretical and Practical Capacities in Liâ€lon Layered Oxide Cathode Materials. Advanced Energy Materials, 2017, 7, 1602888.	10.2	455
11	Ion Pairing and Diffusion in Magnesium Electrolytes Based on Magnesium Borohydride. ACS Applied Materials & Interfaces, 2017, 9, 43755-43766.	4.0	34
12	Identifying the Distribution of Al <sup>3+</sup> in LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> . Chemistry of Materials, 2016, 28, 8170-8180.	3.2	77
13	Stability of Prismatic and Octahedral Coordination in Layered Oxides and Sulfides Intercalated with Alkali and Alkaline-Earth Metals. Chemistry of Materials, 2016, 28, 7898-7904.	3.2	82
14	Stacking-Sequence Changes and Na Ordering in Layered Intercalation Materials. Chemistry of Materials, 2016, 28, 8640-8650.	3.2	66
15	How Dopants Can Enhance Charge Transport in Li <sub>2</sub> O <sub>2</sub> . Chemistry of Materials, 2015, 27, 839-847.	3.2	79
16	Non-aqueous Metal–Oxygen Batteries: Past, Present, and Future. Green Energy and Technology, 2015, , 511-539.	0.4	11
17	Impact of Space-Charge Layers on Sudden Death in Li/O <sub>2</sub> Batteries. Journal of Physical Chemistry Letters, 2015, 6, 3017-3022.	2.1	53
18	Capacitive charge storage at an electrified interface investigated via direct first-principles simulations. Physical Review B, 2015, 91, .	1.1	25

MAXWELL D RADIN

#	Article	IF	CITATIONS
19	Surface-Mediated Solvent Decomposition in Li–Air Batteries: Impact of Peroxide and Superoxide Surface Terminations. Journal of Physical Chemistry C, 2015, 119, 9050-9060.	1.5	36
20	Thermophysical properties of LiFePO4 cathodes with carbonized pitch coatings and organic binders: Experiments and first-principles modeling. Journal of Power Sources, 2014, 251, 8-13.	4.0	30
21	Enhanced Charge Transport in Amorphous Li <sub>2</sub> O <sub>2</sub> . Chemistry of Materials, 2014, 26, 2952-2959.	3.2	202
22	Charge transport in lithium peroxide: relevance for rechargeable metal–air batteries. Energy and Environmental Science, 2013, 6, 2370.	15.6	293
23	Electronic structure of Li2O2 {0001} surfaces. Journal of Materials Science, 2012, 47, 7564-7570.	1.7	82
24	Lithium Peroxide Surfaces Are Metallic, While Lithium Oxide Surfaces Are Not. Journal of the American Chemical Society, 2012, 134, 1093-1103.	6.6	331
25	A conceptual design for the Thirty Meter Telescope alignment and phasing system. Proceedings of SPIE, 2008, , .	0.8	17