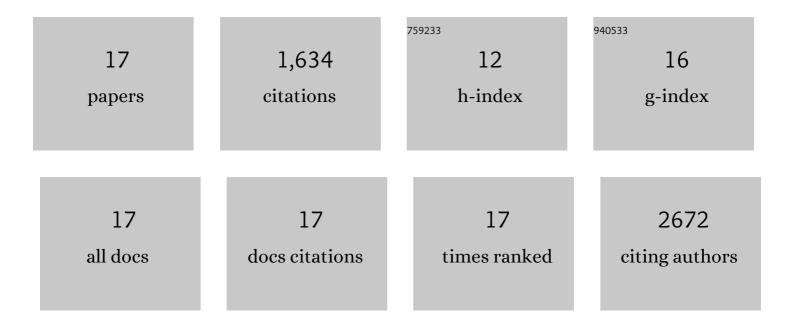
## Bryan W Byles

List of Publications by Year in descending order

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RDVAN W/ RVIES

#	Article	IF	CITATIONS
1	Revealing the Atomic Structures of Exposed Lateral Surfaces for Polymorphic Manganese Dioxide Nanowires. Small Structures, 2021, 2, 2000091.	12.0	18
2	Stable high-voltage aqueous pseudocapacitive energy storage device with slow self-discharge. Nano Energy, 2019, 64, 103961.	16.0	78
3	Creation of controllable cationic and anionic defects in tunnel manganese oxide nanowires for enhanced oxygen evolution reaction. Polyhedron, 2019, 171, 32-40.	2.2	5
4	Improved electrochemical cycling stability of intercalation battery electrodes via control of material morphology. Ionics, 2019, 25, 493-502.	2.4	8
5	Influence of operating conditions and cathode parameters on desalination performance of hybrid CDI systems. Desalination, 2019, 452, 1-8.	8.2	36
6	Ordering Heterogeneity of [MnO6] Octahedra in Tunnel-Structured MnO2 and Its Influence on Ion Storage. Joule, 2019, 3, 471-484.	24.0	123
7	Tunnel structured manganese oxide nanowires as redox active electrodes for hybrid capacitive deionization. Nano Energy, 2018, 44, 476-488.	16.0	145
8	Prediction of optimal structural water concentration for maximized performance in tunnel manganese oxide electrodes. Physical Chemistry Chemical Physics, 2018, 20, 9480-9487.	2.8	12
9	Ion Removal Performance, Structural/Compositional Dynamics, and Electrochemical Stability of Layered Manganese Oxide Electrodes in Hybrid Capacitive Deionization. ACS Applied Materials & Interfaces, 2018, 10, 32313-32322.	8.0	67
10	Voltage-Gated Ions Sieving through 2D MXene Ti <sub>3</sub> C <sub>2</sub> T <sub><i>x</i></sub> Membranes. ACS Applied Nano Materials, 2018, 1, 3644-3652.	5.0	102
11	Highâ€Capacity Allâ€Solidâ€State Sodium Metal Battery with Hybrid Polymer Electrolytes. Advanced Energy Materials, 2018, 8, 1801885.	19.5	87
12	Bilayered vanadium oxide as the host material for reversible beyond lithium ion intercalation. Advanced Materials Letters, 2017, 8, 679-688.	0.6	20
13	Reversible intercalation of lithium and sodium ions into layered and tunnel structured manganese oxides: one-dimensional versus two-dimensional diffusion. , 2017, , .		2
14	Effect of manganese oxide crystal tunnel size on Li-ion and Na-ion battery performance. Proceedings of SPIE, 2016, , .	0.8	2
15	Lithium-ion capacitors with 2D Nb2CTx (MXene) – carbon nanotube electrodes. Journal of Power Sources, 2016, 326, 686-694.	7.8	175
16	Effect of aging and hydrothermal treatment on electrochemical performance of chemically pre-intercalated Na–V–O nanowires for Na-ion batteries. Journal of Materials Chemistry A, 2016, 4, 7754-7761.	10.3	44
17	Porous heterostructured MXene/carbon nanotube composite paper with high volumetric capacity for sodium-based energy storage devices. Nano Energy, 2016, 26, 513-523.	16.0	710