Evan P Jahrman

List of Publications by Year
in descending order

19	762	840776 11	888059 17
papers	citations	h-index	g-index

19	19	19	880
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fast and reversible zinc ion intercalation in Al-ion modified hydrated vanadate. Nano Energy, 2020, 70, 104519.	16.0	188
2	Structural engineering of hydrated vanadium oxide cathode by K+ incorporation for high-capacity and long-cycling aqueous zinc ion batteries. Energy Storage Materials, 2020, 29, 9-16.	18.0	139
3	An improved laboratory-based x-ray absorption fine structure and x-ray emission spectrometer for analytical applications in materials chemistry research. Review of Scientific Instruments, 2019, 90, 024106.	1.3	70
4	Interface Engineering V₂O₅ Nanofibers for Highâ€Energy and Durable Supercapacitors. Small, 2019, 15, e1901747.	10.0	66
5	Tailoring Energy and Power Density through Controlling the Concentration of Oxygen Vacancies in V₂O₅/PEDOT Nanocable-Based Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 16647-16655.	8.0	57
6	Aminophosphines as Versatile Precursors for the Synthesis of Metal Phosphide Nanocrystals. Chemistry of Materials, 2018, 30, 5373-5379.	6.7	54
7	V₂O₅â€“Conductive polymer nanocables with built-in local electric field derived from interfacial oxygen vacancies for high energy density supercapacitors. Journal of Materials Chemistry A, 2019, 7, 17966-17973.	10.3	53
8	Probing Sulfur Chemical and Electronic Structure with Experimental Observation and Quantitative Theoretical Prediction of KÎ± and Valence-to-Core KÎ² X-ray Emission Spectroscopy. Journal of Physical Chemistry A, 2020, 124, 5415-5434.	2.5	30
9	Determination of Hexavalent Chromium Fractions in Plastics Using Laboratory-Based, High-Resolution X-ray Emission Spectroscopy. Analytical Chemistry, 2018, 90, 6587-6593.	6.5	23
10	Laboratory-Based X-ray Absorption Spectroscopy on a Working Pouch Cell Battery at Industrially-Relevant Charging Rates. Journal of the Electrochemical Society, 2019, 166, A2549-A2555.	2.9	20
11	A mail-in and user facility for X-ray absorption near-edge structure: the CEI-XANES laboratory X-ray spectrometer at the University of Washington. Journal of Synchrotron Radiation, 2019, 26, 2086-2093.	2.4	14
12	Vacuum formed temporary spherically and toroidally bent crystal analyzers for x-ray absorption and x-ray emission spectroscopy. Review of Scientific Instruments, 2019, 90, 013106.	1.3	12
13	Double-ionization satellites in the x-ray emission spectrum of Ni metal. Physical Review A, 2017, 96, .	2.5	10
14	Valence-to-core X-ray emission spectroscopy of vanadium oxide and lithiated vanadyl phosphate materials. Journal of Materials Chemistry A, 2020, 8, 16332-16344.	10.3	10
15	Factors Defining the Intercalation Electrochemistry of CaFe₂O₄-Type Manganese Oxides. Chemistry of Materials, 2020, 32, 8203-8215.	6.7	6
16	Assessing arsenic species in foods using regularized linear regression of the arsenic K-edge X-ray absorption near edge structure. Journal of Analytical Atomic Spectrometry, 2022, 37, 1247-1258.	3.0	6
17	Effect of chlorine and chromium on sulfur solubility in Lowâ€activity waste glass. International Journal of Applied Glass Science, 0, , .	2.0	3
18	Spherically bent mica analyzers as universal dispersing elements for Xâ€ray spectroscopy. X-Ray Spectrometry, 2020, 49, 493-501.	1.4	1

#	Article	IF	Citations
19	Iron redox analysis of silicate-based minerals and glasses using synchrotron X-ray absorption and laboratory X-ray emission spectroscopy. Journal of Non-Crystalline Solids, 2022, 577, 121326.	3.1	0