

Evan P Jahrman

List of Publications by Year in descending order

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19
papers

762
citations

840776

11
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

880
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron redox analysis of silicate-based minerals and glasses using synchrotron X-ray absorption and laboratory X-ray emission spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2022, 577, 121326.	3.1	0
2	Assessing arsenic species in foods using regularized linear regression of the arsenic K-edge X-ray absorption near edge structure. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 1247-1258.	3.0	6
3	Valence-to-core X-ray emission spectroscopy of vanadium oxide and lithiated vanadyl phosphate materials. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16332-16344.	10.3	10
4	Factors Defining the Intercalation Electrochemistry of $\text{CaFe}_{2}\text{O}_{4}$ -Type Manganese Oxides. <i>Chemistry of Materials</i> , 2020, 32, 8203-8215.	6.7	6
5	Probing Sulfur Chemical and Electronic Structure with Experimental Observation and Quantitative Theoretical Prediction of $\text{K}L_{2}$ and Valence-to-Core $\text{K}L_{2}$ X-ray Emission Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5415-5434.	2.5	30
6	Spherically bent mica analyzers as universal dispersing elements for X-ray spectroscopy. <i>X-Ray Spectrometry</i> , 2020, 49, 493-501.	1.4	1
7	Fast and reversible zinc ion intercalation in Al-ion modified hydrated vanadate. <i>Nano Energy</i> , 2020, 70, 104519.	16.0	188
8	Structural engineering of hydrated vanadium oxide cathode by K^{+} incorporation for high-capacity and long-cycling aqueous zinc ion batteries. <i>Energy Storage Materials</i> , 2020, 29, 9-16.	18.0	139
9	Laboratory-Based X-ray Absorption Spectroscopy on a Working Pouch Cell Battery at Industrially-Relevant Charging Rates. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2549-A2555.	2.9	20
10	V_{2}O_{5} "Conductive polymer nanocables with built-in local electric field derived from interfacial oxygen vacancies for high energy density supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17966-17973.	10.3	53
11	Vacuum formed temporary spherically and toroidally bent crystal analyzers for x-ray absorption and x-ray emission spectroscopy. <i>Review of Scientific Instruments</i> , 2019, 90, 013106.	1.3	12
12	Interface Engineering V_{2}O_{5} Nanofibers for High-Energy and Durable Supercapacitors. <i>Small</i> , 2019, 15, e1901747.	10.0	66
13	An improved laboratory-based x-ray absorption fine structure and x-ray emission spectrometer for analytical applications in materials chemistry research. <i>Review of Scientific Instruments</i> , 2019, 90, 024106.	1.3	70
14	Tailoring Energy and Power Density through Controlling the Concentration of Oxygen Vacancies in V_{2}O_{5} /PEDOT Nanocable-Based Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16647-16655.	8.0	57
15	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. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 2086-2093.	2.4	14
16	Determination of Hexavalent Chromium Fractions in Plastics Using Laboratory-Based, High-Resolution X-ray Emission Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 6587-6593.	6.5	23
17	Aminophosphines as Versatile Precursors for the Synthesis of Metal Phosphide Nanocrystals. <i>Chemistry of Materials</i> , 2018, 30, 5373-5379.	6.7	54
18	Double-ionization satellites in the x-ray emission spectrum of Ni metal. <i>Physical Review A</i> , 2017, 96, .	2.5	10

#	ARTICLE	IF	CITATIONS
19	Effect of chlorine and chromium on sulfur solubility in Low-activity waste glass. International Journal of Applied Glass Science, 0, , .	2.0	3