

William M Holden

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Probing Surface Defects of InP Quantum Dots Using Phosphorus K _L and K _L ² X-ray Emission Spectroscopy. <i>Chemistry of Materials</i> , 2018, 30, 6377-6388.	6.7	70
2	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
3	New Insights into the High-Performance Black Phosphorus Anode for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2101259.	21.0	41
4	A compact dispersive refocusing Rowland circle X-ray emission spectrometer for laboratory, synchrotron, and XFEL applications. <i>Review of Scientific Instruments</i> , 2017, 88, 073904.	1.3	40
5	Probing Sulfur Chemical and Electronic Structure with Experimental Observation and Quantitative Theoretical Prediction of K _L and Valence-to-Core K _L ² X-ray Emission Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5415-5434.	2.5	30
6	Sulfur Speciation in Biochars by Very High Resolution Benchtop K _L X-ray Emission Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5153-5161.	2.5	24
7	Surface Functionalization of Black Phosphorus with Nitrenes: Identification of P=N Bonds by Using Isotopic Labeling. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9127-9134.	13.8	21
8	A color x-ray camera for 2-6 keV using a mass produced back illuminated complementary metal oxide semiconductor sensor. <i>Review of Scientific Instruments</i> , 2018, 89, 093111.	1.3	14
9	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
10	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
11	4 th : Invited Paper: Role of Phosphorus Oxidation in Controlling the Luminescent Properties of Indium Phosphide Quantum Dots. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 21-24.	0.3	8
12	Informed Chemical Classification of Organophosphorus Compounds via Unsupervised Machine Learning of X-ray Absorption Spectroscopy and X-ray Emission Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2022, 126, 4862-4872.	2.5	7
13	Resonant inelastic X-ray scattering using a miniature dispersive Rowland refocusing spectrometer. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 446-454.	2.4	5
14	Glovebox-integrated XES and XAS station for in situ studies in tender x-ray region. <i>Electronic Structure</i> , 2020, 2, 047001.	2.8	4
15	Surface Functionalization of Black Phosphorus with Nitrenes: Identification of P=N Bonds by Using Isotopic Labeling. <i>Angewandte Chemie</i> , 2021, 133, 9209-9216.	2.0	0