

Thomas Kroll

List of Publications by Year in descending order

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11
papers

655
citations

1163117

8
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking excited-state charge and spin dynamics in iron coordination complexes. <i>Nature</i> , 2014, 509, 345-348.	27.8	382
2	Metalloprotein entatic control of ligand-metal bonds quantified by ultrafast x-ray spectroscopy. <i>Science</i> , 2017, 356, 1276-1280.	12.6	109
3	Resonant Inelastic X-ray Scattering on Ferrous and Ferric Bis-imidazole Porphyrin and Cytochrome <i>c</i> : Nature and Role of the Axial Methionine-Fe Bond. <i>Journal of the American Chemical Society</i> , 2014, 136, 18087-18099.	13.7	56
4	Resonant inelastic X-ray scattering determination of the electronic structure of oxyhemoglobin and its model complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2854-2859.	7.1	28
5	Sulfur $K\beta$ X-ray emission spectroscopy: comparison with sulfur K-edge X-ray absorption spectroscopy for speciation of organosulfur compounds. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4500-4508.	2.8	18
6	Final-State Projection Method in Charge-Transfer Multiplet Calculations: An Analysis of Ti L-Edge Absorption Spectra. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13852-13858.	2.6	15
7	High Energy Resolution Fluorescence Detected X-ray Absorption Spectroscopy: An Analytical Method for Selenium Speciation. <i>Analytical Chemistry</i> , 2021, 93, 9235-9243.	6.5	14
8	Effect of 3d/4p Mixing on 1s2p Resonant Inelastic X-ray Scattering: Electronic Structure of Oxo-Bridged Iron Dimers. <i>Journal of the American Chemical Society</i> , 2021, 143, 4569-4584.	13.7	10
9	Mercury $L\beta_1$ High Energy Resolution Fluorescence Detected X-ray Absorption Spectroscopy: A Versatile Speciation Probe for Mercury. <i>Inorganic Chemistry</i> , 2022, 61, 5201-5214.	4.0	7
10	On the competition between mixing rate and uniformity in a coaxial hydrodynamic focusing mixer. <i>Analytica Chimica Acta</i> , 2020, 1103, 1-10.	5.4	6
11	Millisecond timescale reactions observed via X-ray spectroscopy in a 3D microfabricated fused silica mixer. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1100-1113.	2.4	4