

Thomas Kroll

List of Publications by Year in descending order

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11
papers

655
citations

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1161
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Mercury $L_{1\pm 1}$ 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Sulfur $K_{1\pm 2}$ 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 | 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 |
| 7 | 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 |
| 8 | Metalloprotein entatic control of ligand-metal bonds quantified by ultrafast x-ray spectroscopy. <i>Science</i> , 2017, 356, 1276-1280. | 12.6 | 109 |
| 9 | 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 |
| 10 | 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 |
| 11 | Tracking excited-state charge and spin dynamics in iron coordination complexes. <i>Nature</i> , 2014, 509, 345-348. | 27.8 | 382 |