

Uwe Bergmann

List of Publications by Year in descending order

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115
papers

9,834
citations

50276

46
h-index

36028

97
g-index

120
all docs

120
docs citations

120
times ranked

8343
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Generation of intense phase-stable femtosecond hard X-ray pulse pairs. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119616119. | 7.1 | 4 |
| 2 | XFEL serial crystallography reveals the room temperature structure of methyl-coenzyme M reductase. Journal of Inorganic Biochemistry, 2022, 230, 111768. | 3.5 | 6 |
| 3 | Disentangling the chemistry of Australian plant exudates from a unique historical collection. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1 | 4 |
| 4 | X-ray Raman Scattering: A Hard X-ray Probe of Complex Organic Systems. Chemical Reviews, 2022, 122, 12977-13005. | 47.7 | 5 |
| 5 | Carrier-specific dynamics in 2H-MoTe ₂ observed by femtosecond soft x-ray absorption spectroscopy using an x-ray free-electron laser. Structural Dynamics, 2021, 8, 014501. | 2.3 | 14 |
| 6 | Short-lived metal-centered excited state initiates iron-methionine photodissociation in ferrous cytochrome c. Nature Communications, 2021, 12, 1086. | 12.8 | 17 |
| 7 | Using X-ray free-electron lasers for spectroscopy of molecular catalysts and metalloenzymes. Nature Reviews Physics, 2021, 3, 264-282. | 26.6 | 60 |
| 8 | Reply to Wang et al.: Clear evidence of binding of O _x to the oxygen-evolving complex of photosystem II is best observed in the omit map. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2102342118. | 7.1 | 7 |
| 9 | Resonant X-ray emission spectroscopy from broadband stochastic pulses at an X-ray free electron laser. Communications Chemistry, 2021, 4, . | 4.5 | 4 |
| 10 | X-ray free-electron laser studies reveal correlated motion during isopenicillin N synthase catalysis. Science Advances, 2021, 7, . | 10.3 | 23 |
| 11 | Effects of x-ray free-electron laser pulse intensity on the Mn K _β \hat{I}^2 $\langle i \rangle \langle b \rangle \langle sub \rangle 1,3 \langle /sub \rangle$ x-ray emission spectrum in photosystem II "A case study for metalloprotein crystals and solutions. Structural Dynamics, 2021, 8, 064302. | 2.3 | 10 |
| 12 | Structural dynamics in the water and proton channels of photosystem II during the S ₂ to S ₃ transition. Nature Communications, 2021, 12, 6531. | 12.8 | 73 |
| 13 | Seasonal calibration of the end-cretaceous Chicxulub impact event. Scientific Reports, 2021, 11, 23704. | 3.3 | 5 |
| 14 | Near-Edge X-ray Absorption Fine Structure Spectroscopy of Heteroatomic Core-Hole States as a Probe for Nearly Indistinguishable Chemical Environments. Journal of Physical Chemistry Letters, 2020, 11, 556-561. | 4.6 | 11 |
| 15 | A new Devonian euthycarcinoid reveals the use of different respiratory strategies during the marine-to-terrestrial transition in the myriapod lineage. Royal Society Open Science, 2020, 7, 201037. | 2.4 | 5 |
| 16 | Probing a Silent Metal: A Combined X-ray Absorption and Emission Spectroscopic Study of Biologically Relevant Zinc Complexes. Inorganic Chemistry, 2020, 59, 13551-13560. | 4.0 | 16 |
| 17 | High-Resolution XFEL Structure of the Soluble Methane Monooxygenase Hydroxylase Complex with its Regulatory Component at Ambient Temperature in Two Oxidation States. Journal of the American Chemical Society, 2020, 142, 14249-14266. | 13.7 | 41 |
| 18 | Observation of Seeded Mn K _β Stimulated X-Ray Emission Using Two-Color X-Ray Free-Electron Laser Pulses. Physical Review Letters, 2020, 125, 037404. | 7.8 | 20 |

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|----|--|------|-----------|
| 19 | Simultaneous Observation of Carrier-Specific Redistribution and Coherent Lattice Dynamics in 2H-MoTe ₂ with Femtosecond Core-Level Spectroscopy. ACS Nano, 2020, 14, 15829-15840. | 14.6 | 38 |
| 20 | Femtosecond electronic structure response to high intensity XFEL pulses probed by iron X-ray emission spectroscopy. Scientific Reports, 2020, 10, 16837. | 3.3 | 13 |
| 21 | Population inversion X-ray laser oscillator. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15511-15516. | 7.1 | 27 |
| 22 | Untangling the sequence of events during the S ₂ → S ₃ transition in photosystem II and implications for the water oxidation mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12624-12635. | 7.1 | 149 |
| 23 | Chemical Mapping of Ancient Artifacts and Fossils with X-Ray Spectroscopy. , 2020, , 2393-2455. | | 0 |
| 24 | XANES and EXAFS of dilute solutions of transition metals at XFELs. Journal of Synchrotron Radiation, 2019, 26, 1716-1724. | 2.4 | 16 |
| 25 | Phonon-Suppressed Auger Scattering of Charge Carriers in Defective Two-Dimensional Transition Metal Dichalcogenides. Nano Letters, 2019, 19, 6078-6086. | 9.1 | 43 |
| 26 | Decimeter-scale mapping of carbonate-controlled trace element distribution in Neoproterozoic cusped stromatolites. Geochimica Et Cosmochimica Acta, 2019, 261, 56-75. | 3.9 | 5 |
| 27 | Localized Electronic Structure of Nitrogenase FeMoco Revealed by Selenium K-Edge High Resolution X-ray Absorption Spectroscopy. Journal of the American Chemical Society, 2019, 141, 13676-13688. | 13.7 | 47 |
| 28 | Optical Control of Non-Equilibrium Phonon Dynamics. Nano Letters, 2019, 19, 4981-4989. | 9.1 | 27 |
| 29 | Double core hole valence-to-core x-ray emission spectroscopy: A theoretical exploration using time-dependent density functional theory. Journal of Chemical Physics, 2019, 151, 144114. | 3.0 | 11 |
| 30 | Carbon speciation in organic fossils using 2D to 3D x-ray Raman multispectral imaging. Science Advances, 2019, 5, eaaw5019. | 10.3 | 35 |
| 31 | Hagfish from the Cretaceous Tethys Sea and a reconciliation of the morphological “molecular conflict in early vertebrate phylogeny. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2146-2151. | 7.1 | 97 |
| 32 | Pheomelanin pigment remnants mapped in fossils of an extinct mammal. Nature Communications, 2019, 10, 2250. | 12.8 | 30 |
| 33 | Photons, Folios, and Fossils: The X-ray Imaging and Spectroscopy Program of Ancient Materials at SSRL. Synchrotron Radiation News, 2019, 32, 22-28. | 0.8 | 4 |
| 34 | Nouvelles spectroscopies Raman X du carbone pour les matériaux anciens. , 2019, , 22-25. | 0.1 | 1 |
| 35 | Generation of High-Power High-Intensity Short X-Ray Free-Electron-Laser Pulses. Physical Review Letters, 2018, 120, 014801. | 7.8 | 31 |
| 36 | An assessment of multimodal imaging of subsurface text in mummy cartonnage using surrogate papyrus phantoms. Heritage Science, 2018, 6, . | 2.3 | 22 |

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|----|--|------|-----------|
| 37 | Stimulated X-Ray Emission Spectroscopy in Transition Metal Complexes. <i>Physical Review Letters</i> , 2018, 120, 133203. | 7.8 | 48 |
| 38 | Structures of the intermediates of Kokâ€™s photosynthetic water oxidation clock. <i>Nature</i> , 2018, 563, 421-425. | 27.8 | 386 |
| 39 | A new synchrotron rapid-scanning X-ray fluorescence (SRS-XRF) imaging station at SSRL beamline 6-2. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1565-1573. | 2.4 | 19 |
| 40 | Probing the oxidation state of transition metal complexes: a case study on how charge and spin densities determine Mn L-edge X-ray absorption energies. <i>Chemical Science</i> , 2018, 9, 6813-6829. | 7.4 | 60 |
| 41 | X-ray Emission Spectroscopy as an <i>in Situ</i> Diagnostic Tool for X-ray Crystallography of Metalloproteins Using an X-ray Free-Electron Laser. <i>Biochemistry</i> , 2018, 57, 4629-4637. | 2.5 | 39 |
| 42 | Drop-on-demand sample delivery for studying biocatalysts in action at X-ray free-electron lasers. <i>Nature Methods</i> , 2017, 14, 443-449. | 19.0 | 150 |
| 43 | Metalloprotein entatic control of ligand-metal bonds quantified by ultrafast x-ray spectroscopy. <i>Science</i> , 2017, 356, 1276-1280. | 12.6 | 109 |
| 44 | Ligand manipulation of charge transfer excited state relaxation and spin crossover in [Fe(2,2â€™-bipyridine)2(CN)2]. <i>Structural Dynamics</i> , 2017, 4, 044030. | 2.3 | 41 |
| 45 | Soft x-ray absorption spectroscopy of metalloproteins and high-valent metal-complexes at room temperature using free-electron lasers. <i>Structural Dynamics</i> , 2017, 4, 054307. | 2.3 | 34 |
| 46 | Noninvasive Synchrotron-Based X-ray Raman Scattering Discriminates Carbonaceous Compounds in Ancient and Historical Materials. <i>Analytical Chemistry</i> , 2017, 89, 10819-10826. | 6.5 | 27 |
| 47 | Carrier-Specific Femtosecond XUV Transient Absorption of PbI ₂ Reveals Ultrafast Nonradiative Recombination. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27886-27893. | 3.1 | 30 |
| 48 | Ultrafast non-radiative dynamics of atomically thin MoSe ₂ . <i>Nature Communications</i> , 2017, 8, 1745. | 12.8 | 52 |
| 49 | Manipulating charge transfer excited state relaxation and spin crossover in iron coordination complexes with ligand substitution. <i>Chemical Science</i> , 2017, 8, 515-523. | 7.4 | 102 |
| 50 | X-ray absorption spectroscopy using a self-seeded soft X-ray free-electron laser. <i>Optics Express</i> , 2016, 24, 22469. | 3.4 | 19 |
| 51 | Structural changes correlated with magnetic spin state isomorphism in the S ₂ state of the Mn ₄ CaO ₅ cluster in the oxygen-evolving complex of photosystem II. <i>Chemical Science</i> , 2016, 7, 5236-5248. | 7.4 | 39 |
| 52 | Structure of photosystem II and substrate binding at room temperature. <i>Nature</i> , 2016, 540, 453-457. | 27.8 | 323 |
| 53 | Elemental characterisation of melanin in feathers via synchrotron X-ray imaging and absorption spectroscopy. <i>Scientific Reports</i> , 2016, 6, 34002. | 3.3 | 44 |
| 54 | Observing Solvation Dynamics with Simultaneous Femtosecond X-ray Emission Spectroscopy and X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1158-1168. | 2.6 | 85 |

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|----|---|------|-----------|
| 55 | Emerging Approaches in Synchrotron Studies of Materials from Cultural and Natural History Collections. <i>Topics in Current Chemistry</i> , 2016, 374, 7. | 5.8 | 17 |
| 56 | Geochemical Evidence of the Seasonality, Affinity and Pigmentation of <i>Solenopora jurassica</i> . <i>PLoS ONE</i> , 2015, 10, e0138305. | 2.5 | 5 |
| 57 | Bacteria or melanosomes? A geochemical analysis of micro-bodies on a tadpole from the Oligocene Enspel Formation of Germany. <i>Palaeobiodiversity and Palaeoenvironments</i> , 2015, 95, 33-45. | 1.5 | 23 |
| 58 | Photon-in photon-out hard X-ray spectroscopy at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 612-620. | 2.4 | 35 |
| 59 | The mapping and differentiation of biological and environmental elemental signatures in the fossil remains of a 50 million year old bird. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 627-634. | 3.0 | 28 |
| 60 | Simultaneous detection of electronic structure changes from two elements of a bifunctional catalyst using wavelength-dispersive X-ray emission spectroscopy and in situ electrochemistry. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8901-8912. | 2.8 | 45 |
| 61 | Bioturbating animals control the mobility of redox-sensitive trace elements in organic-rich mudstone. <i>Geology</i> , 2015, 43, 1007-1010. | 4.4 | 14 |
| 62 | Methods development for diffraction and spectroscopy studies of metalloenzymes at X-ray free-electron lasers. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130590. | 4.0 | 23 |
| 63 | Reabsorption of Soft X-Ray Emission at High X-Ray Free-Electron Laser Fluences. <i>Physical Review Letters</i> , 2014, 113, 153002. | 7.8 | 33 |
| 64 | Accurate macromolecular structures using minimal measurements from X-ray free-electron lasers. <i>Nature Methods</i> , 2014, 11, 545-548. | 19.0 | 140 |
| 65 | Tracking excited-state charge and spin dynamics in iron coordination complexes. <i>Nature</i> , 2014, 509, 345-348. | 27.8 | 382 |
| 66 | Synchrotron imaging reveals bone healing and remodelling strategies in extinct and extant vertebrates. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140277. | 3.4 | 47 |
| 67 | Taking snapshots of photosynthetic water oxidation using femtosecond X-ray diffraction and spectroscopy. <i>Nature Communications</i> , 2014, 5, 4371. | 12.8 | 206 |
| 68 | The Mn ^{IV} Ca photosynthetic water-oxidation catalyst studied by simultaneous X-ray spectroscopy and crystallography using an X-ray free-electron laser. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130324. | 4.0 | 17 |
| 69 | X-ray Spectroscopic Observation of an Interstitial Carbide in NifEN-Bound FeMoco Precursor. <i>Journal of the American Chemical Society</i> , 2013, 135, 610-612. | 13.7 | 98 |
| 70 | Stability of Pt-Modified Cu(111) in the Presence of Oxygen and Its Implication on the Overall Electronic Structure. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16371-16380. | 3.1 | 5 |
| 71 | Experimental and Computational X-ray Emission Spectroscopy as a Direct Probe of Protonation States in Oxo-Bridged Mn ^{IV} Dimers Relevant to Redox-Active Metalloproteins. <i>Inorganic Chemistry</i> , 2013, 52, 12915-12922. | 4.0 | 62 |
| 72 | Metal-Ligand Covalency of Iron Complexes from High-Resolution Resonant Inelastic X-ray Scattering. <i>Journal of the American Chemical Society</i> , 2013, 135, 17121-17134. | 13.7 | 75 |

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|----|---|------|-----------|
| 73 | L-Edge X-ray Absorption Spectroscopy of Dilute Systems Relevant to Metalloproteins Using an X-ray Free-Electron Laser. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3641-3647. | 4.6 | 64 |
| 74 | Simultaneous Femtosecond X-ray Spectroscopy and Diffraction of Photosystem II at Room Temperature. <i>Science</i> , 2013, 340, 491-495. | 12.6 | 378 |
| 75 | Synchrotron-based chemical imaging reveals plumage patterns in a 150 million year old early bird. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1024. | 3.0 | 55 |
| 76 | Sensitivity of X-ray Core Spectroscopy to Changes in Metal Ligation: A Systematic Study of Low-Coordinate, High-Spin Ferrous Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 6286-6298. | 4.0 | 35 |
| 77 | Electronic Structural Changes of Mn in the Oxygen-Evolving Complex of Photosystem II during the Catalytic Cycle. <i>Inorganic Chemistry</i> , 2013, 52, 5642-5644. | 4.0 | 57 |
| 78 | Energy-dispersive X-ray emission spectroscopy using an X-ray free-electron laser in a shot-by-shot mode. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19103-19107. | 7.1 | 113 |
| 79 | Nanoflow electrospinning serial femtosecond crystallography. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 1584-1587. | 2.5 | 167 |
| 80 | Chemical Mapping of Paleontological and Archeological Artifacts with Synchrotron X-Rays. <i>Annual Review of Analytical Chemistry</i> , 2012, 5, 361-389. | 5.4 | 64 |
| 81 | Room temperature femtosecond X-ray diffraction of photosystem II microcrystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9721-9726. | 7.1 | 144 |
| 82 | A multi-crystal wavelength dispersive x-ray spectrometer. <i>Review of Scientific Instruments</i> , 2012, 83, 073114. | 1.3 | 130 |
| 83 | In situ X-ray probing reveals fingerprints of surface platinum oxide. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 262-266. | 2.8 | 110 |
| 84 | Manganese K ² X-ray Emission Spectroscopy As a Probe of Metal-Ligand Interactions. <i>Inorganic Chemistry</i> , 2011, 50, 8397-8409. | 4.0 | 118 |
| 85 | Identification of a Single Light Atom within a Multinuclear Metal Cluster Using Valence-to-Core X-ray Emission Spectroscopy. <i>Inorganic Chemistry</i> , 2011, 50, 10709-10717. | 4.0 | 68 |
| 86 | X-ray Emission Spectroscopy Evidences a Central Carbon in the Nitrogenase Iron-Molybdenum Cofactor. <i>Science</i> , 2011, 334, 974-977. | 12.6 | 774 |
| 87 | Direct Detection of Oxygen Ligation to the Mn ₄ Ca Cluster of Photosystem II by X-ray Emission Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 800-803. | 13.8 | 78 |
| 88 | The Codex of a Companion of the Prophet and the Qur'ān of the Prophet. <i>Arabica</i> , 2010, 57, 343-436. | 0.1 | 57 |
| 89 | Probing Valence Orbital Composition with Iron K ² X-ray Emission Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 9715-9727. | 13.7 | 244 |
| 90 | Characterization of charge transfer excitations in hexacyanomanganate(III) with Mn K-edge resonant inelastic x-ray scattering. <i>Journal of Chemical Physics</i> , 2010, 132, 134502. | 3.0 | 18 |

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|-----|--|------|-----------|
| 91 | Complementarity between high-energy photoelectron and L-edge spectroscopy for probing the electronic structure of 5d transition metal catalysts. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5694. | 2.8 | 23 |
| 92 | Mapping metals in Parkinson's and normal brain using rapid-scanning x-ray fluorescence. <i>Physics in Medicine and Biology</i> , 2009, 54, 651-663. | 3.0 | 112 |
| 93 | Hard X-ray Photon-In Photon-Out Spectroscopy. <i>Synchrotron Radiation News</i> , 2009, 22, 12-16. | 0.8 | 29 |
| 94 | Pseudo-color enhanced x-ray fluorescence imaging of the Archimedes Palimpsest. <i>Proceedings of SPIE</i> , 2009, , . | 0.8 | 10 |
| 95 | X-ray emission spectroscopy. <i>Photosynthesis Research</i> , 2009, 102, 255-266. | 2.9 | 197 |
| 96 | X-ray Emission Spectroscopy To Study Ligand Valence Orbitals in Mn Coordination Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 13161-13167. | 13.7 | 135 |
| 97 | High-resolution structure of the photosynthetic Mn ₄ Ca catalyst from X-ray spectroscopy. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 1139-1147. | 4.0 | 42 |
| 98 | Nearest-neighbor oxygen distances in liquid water and ice observed by x-ray Raman based extended x-ray absorption fine structure. <i>Journal of Chemical Physics</i> , 2007, 127, 174504. | 3.0 | 118 |
| 99 | Archimedes brought to light. <i>Physics World</i> , 2007, 20, 39-42. | 0.0 | 49 |
| 100 | Resonant inelastic X-ray scattering (RIXS) spectroscopy at the Mn K absorption pre-edge—a direct probe of the 3d orbitals. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 2163-2167. | 4.0 | 31 |
| 101 | High resolution 1s core hole X-ray spectroscopy in 3d transition metal complexes—electronic and structural information. <i>Coordination Chemistry Reviews</i> , 2005, 249, 65-95. | 18.8 | 830 |
| 102 | X-ray damage to the Mn ₄ Ca complex in single crystals of photosystem II: A case study for metalloprotein crystallography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12047-12052. | 7.1 | 585 |
| 103 | 1s2p Resonant Inelastic X-ray Scattering of Iron Oxides. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20751-20762. | 2.6 | 108 |
| 104 | High-Resolution X-ray Emission Spectroscopy of Molybdenum Compounds. <i>Inorganic Chemistry</i> , 2005, 44, 2579-2581. | 4.0 | 22 |
| 105 | X-ray Absorption Spectroscopy Study of the Hydrogen Bond Network in the Bulk Water of Aqueous Solutions. <i>Journal of Physical Chemistry A</i> , 2005, 109, 5995-6002. | 2.5 | 156 |
| 106 | Mn oxidation states in tri- and tetra-nuclear Mn compounds structurally relevant to photosystem II: Mn K-edge X-ray absorption and K α X-ray emission spectroscopy studies. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4864. | 2.8 | 35 |
| 107 | The Electronic Structure of Mn in Oxides, Coordination Complexes, and the Oxygen-Evolving Complex of Photosystem II Studied by Resonant Inelastic X-ray Scattering. <i>Journal of the American Chemical Society</i> , 2004, 126, 9946-9959. | 13.7 | 177 |
| 108 | Electronic Structure of Ni Complexes by X-ray Resonance Raman Spectroscopy (Resonant Inelastic) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 | 13.7 | 31 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Site-Selective EXAFS in Mixed-Valence Compounds Using High-Resolution Fluorescence Detection: A Study of Iron in Prussian Blue. <i>Inorganic Chemistry</i> , 2002, 41, 3121-3127. | 4.0 | 95 |
| 110 | Absence of Mn-Centered Oxidation in the S ₂ to S ₃ Transition: Implications for the Mechanism of Photosynthetic Water Oxidation. <i>Journal of the American Chemical Society</i> , 2001, 123, 7804-7820. | 13.7 | 295 |
| 111 | Mn K-Edge XANES and K _L ² XES Studies of Two Mn ^{IV} -Oxo Binuclear Complexes: Investigation of Three Different Oxidation States Relevant to the Oxygen-Evolving Complex of Photosystem II. <i>Journal of the American Chemical Society</i> , 2001, 123, 7031-7039. | 13.7 | 94 |
| 112 | High-resolution X-ray spectroscopy of rare events: a different look at local structure and chemistry. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 199-203. | 2.4 | 45 |
| 113 | Structural Investigations of Li _{1.5+x} Na _{0.5} MnO _{2.85} I _{0.12} Electrodes by Mn X-Ray Absorption Near Edge Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2000, 147, 395. | 2.9 | 24 |
| 114 | Electronic Structure of Chemically-Prepared Li _x Mn ₂ O ₄ Determined by Mn X-ray Absorption and Emission Spectroscopies. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9587-9596. | 2.6 | 36 |
| 115 | High-resolution large-acceptance analyzer for x-ray fluorescence and Raman spectroscopy. , 1998, , . | | 76 |