# John J Rehr

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 133 papers | 13,387 citations | 109321 35 h-index | 20961 115 g-index |
| 137 all docs | 137 docs citations | 137 times ranked | 12710 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Full spectrum optical constant interface to the Materials Project. Computational Materials Science, 2022, 201, 110904. | 3.0 | 6 |
| 2 | Real-Time Equation-of-Motion CCSD Cumulant Greenâ€™s Function. Journal of Chemical Theory and Computation, 2022, 18, 1799-1807. | 5.3 | 10 |
| 3 | Ab initio calculation of X-ray and related core-level spectroscopies: Green's function approaches. Physical Chemistry Chemical Physics, 2022, 24, 13461-13473. | 2.8 | 3 |
| 4 | AbÂInitio Multiplet-Plus-Cumulant Approach for Correlation Effects in X-Ray Photoelectron Spectroscopy. Physical Review Letters, 2022, 128, . | 7.8 | 6 |
| 5 | Real-time equation-of-motion CC cumulant and CC Greenâ€™s function simulations of photoemission spectra of water and water dimer. Journal of Chemical Physics, 2022, 157, . | 3.0 | 4 |
| 6 | Database of ab initio L-edge X-ray absorption near edge structure. Scientific Data, 2021, 8, 153. | 5.3 | 21 |
| 7 | Real-space Green's function approach for x-ray spectra at high temperature. Physical Review B, 2021, 104, . | 3.2 | 9 |
| 8 | Equation-of-Motion Coupled-Cluster Cumulant Greenâ€™s Function for Excited States and X-Ray Spectra. Frontiers in Chemistry, 2021, 9, 734945. | 3.6 | 8 |
| 9 | Strengths of plasmon satellites in XPS: Real-time cumulant approach. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, . | 2.1 | 11 |
| 10 | Web-based methods for X-ray and photoelectron spectroscopies. Computational Materials Science, 2021, 200, 110814. | 3.0 | 3 |
| 11 | Advanced calculations of X-ray spectroscopies with FEFF10 and Corvus. Journal of Synchrotron Radiation, 2021, 28, 1801-1810. | 2.4 | 27 |
| 12 | Noble-metal dark-edge fermiology: Centrifugal barriers, core-hole memory, and the Zeeman Auger effect. Physical Review B, 2021, 104, . | 3.2 | 0 |
| 13 | Real-Time Coupled-Cluster Approach for the Cumulant Greenâ€™s Function. Journal of Chemical Theory and Computation, 2020, 16, 6983-6992. | 5.3 | 19 |
| 14 | Unraveling intrinsic correlation effects with angle-resolved photoemission spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28596-28602. | 7.1 | 18 |
| 15 | Equation of motion coupled-cluster cumulant approach for intrinsic losses in x-ray spectra. Journal of Chemical Physics, 2020, 152, 174113. | 3.0 | 25 |
| 16 | Core hole processes in x-ray absorption and photoemission by resonant Auger-electron spectroscopy and first-principles theory. Physical Review B, 2020, 101, . | 3.2 | 11 |
| 17 | Probing the Local Bonding at the Pt/Î³-Al<sub>2</sub>O<sub>3</sub> Interface. Journal of Physical Chemistry C, 2020, 124, 9876-9885. | 3.1 | 10 |
| 18 | Charge-transfer satellites and chemical bonding in photoemission and x-ray absorption of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> and rutile <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ti</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> : Expe | 3.2 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Nonlinear response in the cumulant expansion for core-level photoemission. Physical Review Research, 2020, 2, . | 3.6 | 9 |
| 20 | Energy-Dependent Relative Cross Sections in Carbon 1s Photoionization: Separation of Direct Shake and Inelastic Scattering Effects in Single Molecules. Journal of Physical Chemistry A, 2019, 123, 7619-7636. | 2.5 | 12 |
| 21 | Corvus: a framework for interfacing scientific software for spectroscopic and materials science applications. Journal of Synchrotron Radiation, 2019, 26, 1694-1704. | 2.4 | 5 |
| 22 | Determination of the Crystal Structure of Gamma-Alumina by Electron Diffraction and Electron Energy-Loss Spectroscopy. Microscopy and Microanalysis, 2019, 25, 2036-2037. | 0.4 | 1 |
| 23 | Exchange-correlation contributions to thermodynamic properties of the homogeneous electron gas from a cumulant Green's function approach. Physical Review B, 2019, 100, . | 3.2 | 9 |
| 24 | Cumulant Green's function calculations of plasmon satellites in bulk sodium: Influence of screening and the crystal environment. Physical Review B, 2018, 97, . | 3.2 | 21 |
| 25 | Automated generation and ensemble-learned matching of X-ray absorption spectra. Npj Computational Materials, 2018, 4, . | 8.7 | 82 |
| 26 | Correlative Structure-Bonding and Stability Studies of Pt/Î³-Al2O3 Catalysts. Microscopy and Microanalysis, 2018, 24, 1644-1645. | 0.4 | 1 |
| 27 | Extended X-Ray Absorption Fine Structure of ZrW2O8: Theory vs. Experiment. Frontiers in Chemistry, 2018, 6, 356. | 3.6 | 8 |
| 28 | Coulomb-hole and screened exchange in the electron self-energy at finite temperature. Physical Review B, 2018, 98, . | 3.2 | 10 |
| 29 | Exchange and correlation in finite-temperature TDDFT. European Physical Journal B, 2018, 91, 1. | 1.5 | 7 |
| 30 | Efficient Calculation of the Negative Thermal Expansion in ZrW2O8. Frontiers in Chemistry, 2018, 6, 296. | 3.6 | 13 |
| 31 | A consistent path for phase determination based on transmission electron microscopy techniques and supporting simulations. Micron, 2018, 115, 41-49. | 2.2 | 0 |
| 32 | Bethe-Salpeter Equation calculations of nitrogen-vacancy defects in diamond. Journal of Physics and Chemistry of Solids, 2018, 122, 87-93. | 4.0 | 3 |
| 33 | High-throughput computational X-ray absorption spectroscopy. Scientific Data, 2018, 5, 180151. | 5.3 | 94 |
| 34 | Relativistic Diracâ€“Fock atom properties for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si25.gif" display="inline" overflow="scroll"><mml:mi>Z</mml:mi><mml:mo>=</mml:mo><mml:mn>121</mml:mn></mml:math> to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si26.gif" display="inline" overflow="scroll"><mml:mi>Z</mml:mi><mml:mo>=</mml:mo><mml:mn>138</mml:mn></mml:math>. Atomic Data and Nuclear Data Tables, 2017, 114, 262-280. | 2.4 | 4 |
| 35 | Characterization of Coke on a Pt-Re/Î³-Al<sub>2</sub>O<sub>3</sub> Re-Forming Catalyst: Experimental and Theoretical Study. ACS Catalysis, 2017, 7, 1452-1461. | 11.2 | 29 |
| 36 | Quantitative first-principles calculations of valence and core excitation spectra of solid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>60</mml:mn></mml:msub></mml:math>. Physical Review B, 2017, 95, . | 3.2 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Finite Temperature Greenâ€™s Function Approach for Excited State and Thermodynamic Properties of Cool to Warm Dense Matter. Physical Review Letters, 2017, 119, 176403. | 7.8 | 34 |
| 38 | Comparison of Spinel and Monoclinic Crystal Structures of Î³-Al2O3 for Simulation of Electron Energy Loss Spectra. Microscopy and Microanalysis, 2017, 23, 2020-2021. | 0.4 | 0 |
| 39 | Probing electronic structure of stoichiometric and defective <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sn</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 95, . | 3.2 | 9 |
| 40 | Anomalous Structural Disorder in Supported Pt Nanoparticles. Journal of Physical Chemistry Letters, 2017, 8, 3284-3288. | 4.6 | 18 |
| 41 | The effect of self-consistent potentials on EXAFS analysis. Journal of Synchrotron Radiation, 2017, 24, 1173-1179. | 2.4 | 3 |
| 42 | Particle-hole cumulant approach for inelastic losses in x-ray spectra. Physical Review B, 2016, 94, . | 3.2 | 32 |
| 43 | Molecular Dynamics Simulations of Supported Pt Nanoparticles with a Hybrid Suttonâ€“Chen Potential. Journal of Physical Chemistry C, 2016, 120, 14883-14891. | 3.1 | 11 |
| 44 | X-ray and Electron Spectroscopy of Water. Chemical Reviews, 2016, 116, 7551-7569. | 47.7 | 143 |
| 45 | Real-time cumulant approach for charge-transfer satellites in x-ray photoemission spectra. Physical Review B, 2015, 91, . | 3.2 | 38 |
| 46 | Dynamical effects in electron spectroscopy. Journal of Chemical Physics, 2015, 143, 184109. | 3.0 | 57 |
| 47 | Investigation of the Structural and Electronic Properties of Pt/Î³-Al2O3, a Model Catalyst System. Microscopy and Microanalysis, 2015, 21, 1655-1656. | 0.4 | 0 |
| 48 | Real-space multiple-scattering Hubbard model calculations ford- andf-state materials. Journal of Synchrotron Radiation, 2015, 22, 1042-1048. | 2.4 | 0 |
| 49 | Resonant Inelastic X-ray Scattering of Molybdenum Oxides and Sulfides. Journal of Physical Chemistry C, 2015, 119, 2419-2426. | 3.1 | 18 |
| 50 | Intracluster Atomic and Electronic Structural Heterogeneities in Supported Nanoscale Metal Catalysts. Journal of Physical Chemistry C, 2015, 119, 25615-25627. | 3.1 | 9 |
| 51 | How Accurately Can Extended X-ray Absorption Spectra Be Predicted from First Principles? Implications for Modeling the Oxygen-Evolving Complex in Photosystem II. Journal of the American Chemical Society, 2015, 137, 12815-12834. | 13.7 | 26 |
| 52 | Effects of Adsorbate Coverage and Bondâ€Length Disorder on the dâ€Band Center of Carbonâ€Supported Pt Catalysts. ChemPhysChem, 2014, 15, 1569-1572. | 2.1 | 17 |
| 53 | Cumulant expansion for phonon contributions to the electron spectral function. Physical Review B, 2014, 90, . | 3.2 | 30 |
| 54 | Dynamic structural disorder in supported nanoscale catalysts. Journal of Chemical Physics, 2014, 140, 134701. | 3.0 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Charge transfer satellites in x-ray spectra of transition metal oxides. Physical Review B, 2014, 89, . | 3.2 | 17 |
| 56 | Comment on â€œElectromagnetic Vortex Fields, Spin, and Spin-Orbit Interactions in Electron Verticesâ€• Physical Review Letters, 2014, 113, 029501. | 7.8 | 1 |
| 57 | Accuracy of generalized gradient approximation functionals for density-functional perturbation theory calculations. Physical Review B, 2014, 89, . | 3.2 | 138 |
| 58 | Cumulant expansion of the retarded one-electron Green function. Physical Review B, 2014, 90, . | 3.2 | 77 |
| 59 | Lattice Model of Resonant Inelastic X-Ray Scattering in Metals: Relation of a Strong Core Hole to the X-Ray Edge Singularity. Physical Review Letters, 2014, 112, 237401. | 7.8 | 4 |
| 60 | Multiple satellites in materials with complex plasmon spectra: From graphite to graphene. Physical Review B, 2014, 89, . | 3.2 | 38 |
| 61 | The status of strontium in biological apatites: anÂXANES/EXAFS investigation. Journal of Synchrotron Radiation, 2014, 21, 136-142. | 2.4 | 43 |
| 62 | Operando Effects on the Structure and Dynamics of Pt<sub>n</sub>Sn<sub>m</sub>/Î³-Al<sub>2</sub>O<sub>3</sub> from Ab Initio Molecular Dynamics and X-ray Absorption Spectra. Journal of Physical Chemistry C, 2013, 117, 12446-12457. | 3.1 | 33 |
| 63 | Theoretical optical and x-ray spectra of liquid and solid H<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O. Physical Review B, 2012, 85, . | 3.2 | 47 |
| 64 | Local time-correlation approach for calculations of x-ray spectra. Physical Review B, 2012, 86, . | 3.2 | 18 |
| 65 | High-performance computing without commitment: SC2IT: A cloud computing interface that makes computational science available to non-specialists. , 2012, , . | | 1 |
| 66 | Plasmon satellites in valence-band photoemission spectroscopy. European Physical Journal B, 2012, 85, 1. | 1.5 | 27 |
| 67 | Electronic Structures of Formic Acid (HCOOH) and Formate (HCOO<sup>â€“</sup>) in Aqueous Solutions. Journal of Physical Chemistry Letters, 2012, 3, 1754-1759. | 4.6 | 35 |
| 68 | The rediscovery of the â€˜French Blueâ€™ diamond. Europhysics News, 2012, 43, 22-25. | 0.3 | 5 |
| 69 | X-ray absorption Debye-Waller factors fromab initiomolecular dynamics. Physical Review B, 2012, 85, . | 3.2 | 31 |
| 70 | Comment on â€œOperando DRIFTS and XANES Study of Deactivating Effect of CO<sub>2</sub> on a Ce<sub>0.8</sub>Cu<sub>0.2</sub>O<sub>2</sub> CO-PROX Catalystâ€• Journal of Physical Chemistry C, 2011, 115, 23233-23236. | 3.1 | 18 |
| 71 | X-ray absorption spectra of overdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">La</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow><mml:mi mathvariant="normal">Sr</mml:mi><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">CuO</mml:mi><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>high xmlns:m. Physical Review B, 2011, 83, . | 3.2 | 11 |
| 72 | Real-space Greenâ€™s function approach to resonant inelastic x-ray scattering. Physical Review B, 2011, 83, . | 3.2 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Bethe-Salpeter equation calculations of core excitation spectra. Physical Review B, 2011, 83, . | 3.2 | 228 |
| 74 | Experimental (XAS, STEM, TPR, and XPS) and Theoretical (DFT) Characterization of Supported Rhenium Catalysts. Journal of Physical Chemistry C, 2011, 115, 5740-5755. | 3.1 | 83 |
| 75 | Valence Electron Photoemission Spectrum of Semiconductors:AbÂInitioDescription of Multiple Satellites. Physical Review Letters, 2011, 107, 166401. | 7.8 | 120 |
| 76 | Basis set effects on the hyperpolarizability of CHCl3: Gaussian-type orbitals, numerical basis sets and real-space grids. Journal of Chemical Physics, 2010, 133, 034111. | 3.0 | 46 |
| 77 | Multiple scattering calculations of relativistic electron energy loss spectra. Physical Review B, 2010, 81, . | 3.2 | 32 |
| 78 | Ab initioanalysis of the x-ray absorption spectrum of the myoglobinâ€“carbon monoxide complex: Structure and vibrations. Physical Review B, 2010, 82, . | 3.2 | 6 |
| 79 | Parameter-free calculations of X-ray spectra with FEFF9. Physical Chemistry Chemical Physics, 2010, 12, 5503. | 2.8 | 985 |
| 80 | Intermediate-range order in water ices: Nonresonant inelastic x-ray scattering measurements and real-space full multiple scattering calculations. Physical Review B, 2009, 79, . | 3.2 | 26 |
| 81 | Real space calculation of optical constants from optical to x-ray frequencies. Physical Review B, 2009, 80, . | 3.2 | 31 |
| 82 | Theory of dynamical scattering in near-edge electron energy loss spectroscopy. Physical Review B, 2009, 80, . | 3.2 | 14 |
| 83 | Many-pole model of inelastic losses applied to calculations of XANES. Journal of Physics: Conference Series, 2009, 190, 012009. | 0.4 | 16 |
| 84 | Ab initio theory and calculations of X-ray spectra. Comptes Rendus Physique, 2009, 10, 548-559. | 0.9 | 468 |
| 85 | Frequency and Solvent Dependence of Nonlinear Optical Properties of Molecules. Journal of Physical Chemistry C, 2008, 112, 8016-8021. | 3.1 | 37 |
| 86 | Optical to UV spectra and birefringence of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu First-principles calculations with excitonic effects. Physical Review B, 2008, 78, . | 3.2 | 56 |
| 87 | Ab initio Real Space Calculations of Electron Energy Loss Spectra. AIP Conference Proceedings, 2008, , . | 0.4 | 0 |
| 88 | Dynamic structure in supported Pt nanoclusters: Real-time density functional theory and x-ray spectroscopy simulations. Physical Review B, 2008, 78, . | 3.2 | 77 |
| 89 | Exciton spectroscopy of hexagonal boron nitride using nonresonant x-ray Raman scattering. Physical Review B, 2008, 77, . | 3.2 | 26 |
| 90 | Magic angle in electron energy loss spectra: Relativistic and dielectric corrections. Physical Review B, 2008, 77, . | 3.2 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Deconvolving instrumental and intrinsic broadening in core-shell x-ray spectroscopies. Physical Review B, 2007, 75, . | 3.2 | 28 |
| 92 | Theoretical x-ray absorption Debye-Waller factors. Physical Review B, 2007, 76, . | 3.2 | 126 |
| 93 | Size and Shape of Rhenium Nanoparticles. AIP Conference Proceedings, 2007, , . | 0.4 | 10 |
| 94 | Many-pole model of inelastic losses in x-ray absorption spectra. Physical Review B, 2007, 76, . | 3.2 | 68 |
| 95 | Inelastic Losses and Multi-Electron Excitations in X-Ray Spectra. AIP Conference Proceedings, 2007, , . | 0.4 | 3 |
| 96 | Real-time time-dependent density functional theory approach for frequency-dependent nonlinear optical response in photonic molecules. Journal of Chemical Physics, 2007, 127, 154114. | 3.0 | 158 |
| 97 | XMCD Analysis Beyond Standard Procedures. AIP Conference Proceedings, 2007, , . | 0.4 | 10 |
| 98 | Ab initiocalculations of electron inelastic mean free paths and stopping powers. Physical Review B, 2006, 74, . | 3.2 | 46 |
| 99 | Chemical speciation via X-ray emission spectra. X-Ray Spectrometry, 2006, 35, 312-318. | 1.4 | 9 |
| 100 | Background proportional enhancement of the extended fine structure in nonresonant inelastic x-ray scattering. Physical Review B, 2006, 74, . | 3.2 | 29 |
| 101 | Modeling CoreHole Screening in CoreExcitation Spectroscopies. Physica Scripta, 2005, , 31. | 2.5 | 16 |
| 102 | Bayesâ€“Turchin approach to XAS analysis. Journal of Synchrotron Radiation, 2005, 12, 70-74. | 2.4 | 16 |
| 103 | Inelastic scattering from core electrons: A multiple scattering approach. Physical Review B, 2005, 72, . | 3.2 | 100 |
| 104 | FinalState Rule vs the BetheSalpeter Equation for DeepCore Xray Absorption Spectra. Physica Scripta, 2005, , 207. | 2.5 | 40 |
| 105 | Role of inversion symmetry and multipole effects in nonresonant x-ray Raman scattering from icosahedralB4C. Physical Review B, 2004, 69, . | 3.2 | 47 |
| 106 | Theoretical chemical contribution to the simulation of the LIII X-ray absorption edges of uranyl, neptunyl and osmyl hydrates and hydroxides. New Journal of Chemistry, 2004, 28, 929. | 2.8 | 27 |
| 107 | Failure of the Quasiparticle Picture of X-ray Absorption?. Foundations of Physics, 2003, 33, 1735-1742. | 1.3 | 7 |
| 108 | New developments in the theory and interpretation of X-ray spectra based on fast parallel calculations. Journal of Synchrotron Radiation, 2003, 10, 43-45. | 2.4 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Time-dependent density functional theory calculations of X-ray absorption. International Journal of Quantum Chemistry, 2003, 95, 487-492. | 2.0 | 6 |
| 110 | Dynamic screening effects in x-ray absorption spectra. Physical Review B, 2003, 67, . | 3.2 | 264 |
| 111 | Interference between extrinsic and intrinsic losses in x-ray absorption fine structure. Physical Review B, 2002, 65, . | 3.2 | 61 |
| 112 | Parallel calculation of electron multiple scattering using Lanczos algorithms. Physical Review B, 2002, 65, . | 3.2 | 466 |
| 113 | HIGH ORDER MULTIPLE SCATTERING THEORY OF XAFS. Advanced Series in Physical Chemistry, 2002, , 1213-1227. | 1.5 | 1 |
| 114 | Progress and challenges in the theory and interpretation of X-ray spectra. Journal of Synchrotron Radiation, 2001, 8, 61-65. | 2.4 | 62 |
| 115 | Rapid calculation of x-ray absorption near edge structure using parallel computation. X-Ray Spectrometry, 2001, 30, 431-434. | 1.4 | 9 |
| 116 | Theoretical approaches to x-ray absorption fine structure. Reviews of Modern Physics, 2000, 72, 621-654. | 45.6 | 2,843 |
| 117 | Calculation and interpretation of X-ray spectroscopies with Greenâ€™s function multiple scattering theory. AIP Conference Proceedings, 2000, , . | 0.4 | 0 |
| 118 | Extended X-Ray Absorption Fine Structure from Hydrogen Atoms in Water. Physical Review Letters, 2000, 85, 4289-4292. | 7.8 | 47 |
| 119 | Interpretation of x-ray magnetic circular dichroism and x-ray absorption near-edge structure in Ni. Physical Review B, 2000, 62, 15295-15298. | 3.2 | 31 |
| 120 | Importance of Multiple-Scattering Phenomena in XAS Structural Determinations of [Ni(CN)4]2-in Condensed Phases. Inorganic Chemistry, 2000, 39, 3784-3790. | 4.0 | 22 |
| 121 | Multiple-scattering x-ray-absorption fine-structure Debye-Waller factor calculations. Physical Review B, 1999, 59, 948-957. | 3.2 | 150 |
| 122 | Recursion method for multiple-scattering XAFS Debyeâ€“Waller factors. Journal of Synchrotron Radiation, 1999, 6, 313-314. | 2.4 | 16 |
| 123 | Real-space multiple-scattering calculation and interpretation of x-ray-absorption near-edge structure. Physical Review B, 1998, 58, 7565-7576. | 3.2 | 4,006 |
| 124 | Magnetic extended x-ray absorption fine structure at the L3,2 edges of Fe and Co on Cu(001). Journal of Applied Physics, 1998, 83, 7025-7027. | 2.5 | 6 |
| 125 | X-Ray Absorption Spectroscopy of Organouranium Compounds in the (+V) and (+IV) Oxidation States. Radiochimica Acta, 1997, 76, 211-218. | 1.2 | 9 |
| 126 | Order-disorder behavior in the phase transition of PbTiO3. Ferroelectrics, 1995, 164, 265-277. | 0.6 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Refinement of a Model for the Nitrogenase Moï£¿Fe Cluster Using Single-Crystal Mo and Fe EXAFS. Angewandte Chemie International Edition in English, 1993, 32, 1592-1594. | 4.4 | 14 |
| 128 | Verfeinerung eines Modells fÃ¼r den Nitrogenase-Mo-Fe-Cluster mit Einkristall-Mo- und -Fe-EXAFS. Angewandte Chemie, 1993, 105, 1661-1663. | 2.0 | 9 |
| 129 | Crystal effects in Î²-decay. Nature, 1991, 354, 436-437. | 27.8 | 3 |
| 130 | Scattering-matrix formulation of curved-wave multiple-scattering theory: Application to x-ray-absorption fine structure. Physical Review B, 1990, 41, 8139-8149. | 3.2 | 598 |
| 131 | Calculation of X-ray absorption structure above K-edge of laser shock-compressed aluminum. Laser and Particle Beams, 1990, 8, 319-325. | 1.0 | 2 |
| 132 | Extended x-ray-absorption fine-structure amplitudesâ€”Wave-function relaxation and chemical effects. Physical Review B, 1978, 17, 560-565. | 3.2 | 140 |
| 133 | Greenâ€™s function methods for excited states and x-ray spectra of functional materials. Electronic Structure, 0, , . | 2.8 | 0 |