

Steve Heald

List of Publications by Year in descending order

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213
papers

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34105

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213
all docs

213
docs citations

213
times ranked

9789
citing authors

#	ARTICLE	IF	CITATIONS
1	Influences on Subsurface Plutonium and Americium Migration. ACS Earth and Space Chemistry, 2021, 5, 279-294.	2.7	4
2	Plasmon-enhanced Catalytic Ozonation for Efficient Removal of Recalcitrant Water Pollutants. ACS ES&T Engineering, 2021, 1, 874-883.	7.6	9
3	Magnetism from Co and Eu implanted into ZnO. Journal of Magnetism and Magnetic Materials, 2021, 527, 167741.	2.3	4
4	High resolution x-ray emission spectrometer for multiple hard x-ray emission lines: Demonstration for Cu K α_1 and K α_2 emissions. Review of Scientific Instruments, 2021, 92, 073105.	1.3	2
5	Retrieving Tarnished Daguerreotype Content Using X-ray Fluorescence Imaging—Recent Observations on the Effect of Chemical and Electrochemical Cleaning Methods. Heritage, 2021, 4, 1605-1615.	1.9	4
6	Origin of the enhanced Nb ₃ Sn performance by combined Hf and Ta doping. Scientific Reports, 2021, 11, 17845.	3.3	15
7	Understanding the Electronic Structure Evolution of Epitaxial LaNi _{1-x} Fe _x O ₃ Thin Films for Water Oxidation. Nano Letters, 2021, 21, 8324-8331.	9.1	31
8	Evaluation of materials for iodine and technetium immobilization through sorption and redox-driven processes. Science of the Total Environment, 2020, 716, 136167.	8.0	16
9	Novel Superstructure-Phase Two-Dimensional Material 1T-VSe ₂ at High Pressure. Journal of Physical Chemistry Letters, 2020, 11, 380-386.	4.6	17
10	Hybrid Sorbents for ¹²⁹ I Capture from Contaminated Groundwater. ACS Applied Materials & Interfaces, 2020, 12, 26113-26126.	8.0	19
11	Effect of Cr(III) Adsorption on the Dissolution of Boehmite Nanoparticles in Caustic Solution. Environmental Science & Technology, 2020, 54, 6375-6384.	10.0	8
12	Ta, Ti and Hf effects on Nb ₃ Sn high-field performance: temperature-dependent dopant occupancy and failure of Kramer extrapolation. Superconductor Science and Technology, 2019, 32, 124003.	3.5	18
13	Cr(III) Adsorption by Cluster Formation on Boehmite Nanoplates in Highly Alkaline Solution. Environmental Science & Technology, 2019, 53, 11043-11055.	10.0	42
14	Extremely large d ⁰ magnetism in krypton implanted polar ZnO films. Journal of Materials Chemistry C, 2019, 7, 1138-1145.	5.5	25
15	Relevance of the Preparation of the Target for PLD on the Magnetic Properties of Films of Iron-Doped Indium Oxide. Coatings, 2019, 9, 381.	2.6	4
16	Anomalous behavior of the quasi-one-dimensional quantum material Na ₂ O ₈ O ₄ at high pressure. Materials Today Physics, 2019, 8, 18-24.	6.0	2
17	Investigation of non-local screening in K-edge XANES for Pr _{0.67} Sr _{0.33} MnO ₃ under high pressure. Journal of Alloys and Compounds, 2019, 792, 108-115.	5.5	3
18	Probing Cerium 4 <i>f</i> States across the Volume Collapse Transition by X-ray Raman Scattering. Journal of Physical Chemistry Letters, 2019, 10, 7890-7897.	4.6	8

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19	Competing magnetic effects due to the incorporation of oxygen in thin films of (ZnCo)O. RSC Advances, 2019, 9, 38001-38010.	3.6	1
20	Solidâ€State Lithium/Seleniumâ€Sulfur Chemistry Enabled via a Robust Solidâ€Electrolyte Interphase. Advanced Energy Materials, 2019, 9, 1802235.	19.5	63
21	Unusual Coexistence of Nickel(II) and Nickel(IV) in the Quadruple Perovskite Ba ₄ Ni ₂ Ir ₂ O ₁₂ Containing Ir ₂ NiO ₁₂ Mixed-Metal-Cation Trimers. Inorganic Chemistry, 2018, 57, 2973-2976.	4.0	7
22	An Efficient and Robust Surface-Modified Iron Electrode for Oxygen Evolution in Alkaline Water Electrolysis. Journal of the Electrochemical Society, 2018, 165, F392-F400.	2.9	14
23	Evidence from EXAFS for Different Ta/Ti Site Occupancy in High Critical Current Density Nb ₃ Sn Superconductor Wires. Scientific Reports, 2018, 8, 4798.	3.3	15
24	Electrostatic Self-Assembly Enabling Integrated Bulk and Interfacial Sodium Storage in 3D Titania-Graphene Hybrid. Nano Letters, 2018, 18, 336-346.	9.1	40
25	Growth of high quality yttrium iron garnet films using standard pulsed laser deposition technique. Journal of Magnetism and Magnetic Materials, 2018, 453, 254-257.	2.3	9
26	Charge transfer-tuned magnetism in Nd-substituted Gd ₅ Si ₄ . AIP Advances, 2018, 8, .	1.3	6
27	Control of magnetic anisotropy by orbital hybridization with charge transfer in (La _{0.67} Sr _{0.33} MnO ₃) _n /(SrTiO ₃) _n superlattice. NPG Asia Materials, 2018, 10, 931-942.	7.9	15
28	Characterizing Technetium in Subsurface Sediments for Contaminant Remediation. ACS Earth and Space Chemistry, 2018, 2, 1145-1160.	2.7	8
29	Insights into the Performance Degradation of Oxygen-Type Manganese-Rich Layered Oxide Cathodes for High-Voltage Sodium-Ion Batteries. ACS Applied Energy Materials, 2018, , .	5.1	2
30	Ba ₃ Fe _{1.56} Ir _{1.44} O ₉ : A Polar Semiconducting Triple Perovskite with Near Room Temperature Magnetic Ordering. Inorganic Chemistry, 2018, 57, 7362-7371.	4.0	6
31	Evolution of a Novel Ribbon Phase in Optimally Doped Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ at High Pressure and Its Implication to High- <i>T_c</i> Superconductivity. Journal of Physical Chemistry Letters, 2018, 9, 4182-4188.	4.6	4
32	Pressure-induced isostructural phase transition and charge transfer in superconducting FeSe. Journal of Alloys and Compounds, 2018, 767, 811-819.	5.5	19
33	Using refractive lenses to provide a variable spot size for Kirkpatrickâ€Baez mirrors. Journal of Synchrotron Radiation, 2018, 25, 1514-1516.	2.4	1
34	Insights into the Distinct Lithiation/Sodiation of Porous Cobalt Oxide by in Operando Synchrotron X-ray Techniques and Ab Initio Molecular Dynamics Simulations. Nano Letters, 2017, 17, 953-962.	9.1	30
35	Local structural variation with oxygen fugacity in Fe ₂ SiO ₄ + fayalitic iron silicate melts. Geochimica Et Cosmochimica Acta, 2017, 203, 15-36.	3.9	31
36	Electronic and Optical Properties of a Semiconducting Spinel (Fe ₂ CrO ₄). Advanced Functional Materials, 2017, 27, 1605040.	14.9	23

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37	Insights into the structural effects of layered cathode materials for high voltage sodium-ion batteries. Energy and Environmental Science, 2017, 10, 1677-1693.	30.8	143
38	Iron K-edge X-ray absorption near-edge structure spectroscopy of aerodynamically levitated silicate melts and glasses. Chemical Geology, 2017, 453, 169-185.	3.3	44
39	Solid state synthesis of layered sodium manganese oxide for sodium-ion battery by in-situ high energy X-ray diffraction and X-ray absorption near edge spectroscopy. Journal of Power Sources, 2017, 341, 114-121.	7.8	23
40	Enhanced magnetic properties in ZnCoAlO caused by exchange-coupling to Co nanoparticles. New Journal of Physics, 2016, 18, 113040.	2.9	9
41	Advantageous use of metallic cobalt in the target for pulsed laser deposition of cobalt-doped ZnO films. Applied Physics Letters, 2016, 109, .	3.3	9
42	Insight into the Capacity Fading Mechanism of Amorphous Se_{2S_5} Confined in Micro/Mesoporous Carbon Matrix in Ether-Based Electrolytes. Nano Letters, 2016, 16, 2663-2673.	9.1	83
43	Direct Observation of Pressure-Driven Valence Electron Transfer in $\text{Ba}_3\text{BiRu}_2\text{O}_9$, $\text{Ba}_3\text{BiRu}_2\text{O}_9$, and $\text{Ba}_4\text{BiRu}_3\text{O}_{12}$. Inorganic Chemistry, 2016, 55, 5649-5654.	4.0	5
44	Interface-Induced Polarization in $\text{SrTiO}_3/\text{LaCrO}_3$ Superlattices. Advanced Materials Interfaces, 2016, 3, 1500779.	3.7	28
45	Large enhancement of magnetic moment in $\text{L}_{1-x}\text{Fe}_x$ ordered FePt thin films by Nd substitutional doping. Journal Physics D: Applied Physics, 2015, 48, 255001.	2.8	9
46	Selenium Preferentially Accumulates in the Eye Lens Following Embryonic Exposure: A Confocal X-ray Fluorescence Imaging Study. Environmental Science & Technology, 2015, 49, 2255-2261.	10.0	35
47	Strategies and limitations for fluorescence detection of XAFS at high flux beamlines. Journal of Synchrotron Radiation, 2015, 22, 436-445.	2.4	21
48	Exceptional enhancement of Raman scattering on silver chlorobromide nanocube photonic crystals: chemical and photonic contributions. Journal of Materials Chemistry C, 2015, 3, 2455-2461.	5.5	5
49	Surface-polarity-dependent ferromagnetism in arsenic-implanted ZnO films prepared by MBE. Materials Letters, 2015, 144, 12-14.	2.6	16
50	Diffraction imaging for in situ characterization of double-crystal X-ray monochromators. Journal of Applied Crystallography, 2015, 48, 1734-1744.	4.5	7
51	Temperature dependent electronic structure of $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ film probed by X-ray absorption near edge structure. Journal of Applied Physics, 2014, 115, 17E116.	2.5	6
52	Strain modulated anisotropic electronic charge transfer in perovskite $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$. Chemistry of Materials, 2014, 26, 7073-7082.	3.2	20
53	Band-Gap Reduction and Dopant Interaction in Epitaxial La,Cr Co-doped SrTiO_3 Thin Films. Chemistry of Materials, 2014, 26, 7073-7082.	6.7	50
54	Tuning the Curie temperature of L_{10} ordered FePt thin films through site-specific substitution of Rh. Journal of Applied Physics, 2014, 116, 143902.	2.5	7

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55	High Pressure Monoclinic Metallic Phase of VVO_2 Physical Review Letters, 2014, 112, 056401.	7.8	53
56	Geochemical and mineralogical investigation of uranium in multi-element contaminated, organic-rich subsurface sediment. Applied Geochemistry, 2014, 42, 77-85.	3.0	40
57	Characterization of natural titanomagnetites ($\text{Fe}_{3-x}\text{TixO}_4$) for studying heterogeneous electron transfer to Tc(VII) in the Hanford subsurface. Geochimica Et Cosmochimica Acta, 2014, 128, 114-127.	3.9	20
58	Magnetic properties of In_2O_3 containing Fe_3O_4 nanoparticles. Physical Review B, 2014, 90, .	3.2	12
59	A XANES study of LiVPO_4F : a factor analysis approach. Physical Chemistry Chemical Physics, 2014, 16, 3254.	2.8	19
60	Spatiotemporally separating electron and phonon thermal transport in Li_0FePt films for heat assisted magnetic recording. Journal of Applied Physics, 2014, 115, 243907.	2.5	4
61	In Situ X-ray Near-Edge Absorption Spectroscopy Investigation of the State of Charge of All-Vanadium Redox Flow Batteries. ACS Applied Materials & Interfaces, 2014, 6, 17920-17925.	8.0	37
62	X-ray absorption measurements on nickel cathode of sodium-beta alumina batteries: Fe-Ni-Cl chemical associations. Journal of Power Sources, 2014, 247, 517-526.	7.8	12
63	Formation of Li_2MnO_3 investigated by in situ synchrotron probes. Journal of Power Sources, 2014, 266, 341-346.	7.8	20
64	Fe(II)- and sulfide-facilitated reduction of $^{99}\text{Tc}(\text{VII})\text{O}_4$ in microbially reduced hyporheic zone sediments. Geochimica Et Cosmochimica Acta, 2014, 136, 247-264.	3.9	39
65	The impact of crystal symmetry on the electronic structure and functional properties of complex lanthanum chromium oxides. Journal of Materials Chemistry C, 2013, 1, 4527.	5.5	42
66	Investigation of Heat-Assisted Magnetic Recording Media Films in Four Dimensions. IEEE Transactions on Magnetics, 2013, 49, 2510-2513.	2.1	3
67	The role of Cu codoping on the Fe metal clustering and ferromagnetism in Fe-doped In_2O_3 films. Materials Research Bulletin, 2013, 48, 3178-3182.	5.2	9
68	(De)Lithiation Mechanism of Li/SeS_x ($x = 0-7$) Batteries Determined by in Situ Synchrotron X-ray Diffraction and X-ray Absorption Spectroscopy. Journal of the American Chemical Society, 2013, 135, 8047-8056.	13.7	332
69	Contrasting behavior of the structural and magnetic properties in Mn- and Fe-doped In_2O_3 films. APL Materials, 2013, 1, .	5.1	9
70	Grain boundary ferromagnetism in vanadium-doped In_2O_3 thin films. Europhysics Letters, 2013, 103, 67007.	2.0	4
71	Incorporation of pertechnetate and perhenate into corroded steel surfaces studied by X-ray absorption fine structure spectroscopy. Radiochimica Acta, 2012, 100, 243-253.	1.2	19
72	Biotic and Abiotic Reduction and Solubilization of $\text{Pu}(\text{IV})\text{O}_2 \cdot x\text{H}_2\text{O}(\text{am})$ as Affected by Anthraquinone-2,6-disulfonate (AQDS) and Ethylenediaminetetraacetate (EDTA). Environmental Science & Technology, 2012, 46, 2132-2140.	10.0	20

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73	Pore-Scale Characterization of Biogeochemical Controls on Iron and Uranium Speciation under Flow Conditions. <i>Environmental Science & Technology</i> , 2012, 46, 7992-8000.	10.0	12
74	Pertechnetate (TcO ₄ [~]) reduction by reactive ferrous iron forms in naturally anoxic, redox transition zone sediments from the Hanford Site, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 48-66.	3.9	104
75	Tc(VII) reduction kinetics by titanomagnetite (Fe ₃ [~] xTi _x O ₄) nanoparticles. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 67-81.	3.9	44
76	Incorporation, valence state, and electronic structure of Mn and Cr in bulk single crystal $\hat{I}^2\hat{a}\hat{e}$ Ga ₂ O ₃ . <i>Journal of Applied Physics</i> , 2012, 111, 123716.	2.5	40
77	Fast Detection Allowing Analysis of Metalloprotein Electronic Structure by X-ray Emission Spectroscopy at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1858-1864.	4.6	21
78	Synthesis and properties of titanomagnetite (Fe ₃ [~] xTi _x O ₄) nanoparticles: A tunable solid-state Fe(II/III) redox system. <i>Journal of Colloid and Interface Science</i> , 2012, 387, 24-38.	9.4	80
79	XAFS characterization of mercury captured on cupric chloride-impregnated sorbents. <i>Fuel</i> , 2012, 93, 618-624.	6.4	32
80	Competitive Reduction of Pertechnetate (⁹⁹ TcO ₄ [~]) by Dissimilatory Metal Reducing Bacteria and Biogenic Fe(II). <i>Environmental Science & Technology</i> , 2011, 45, 951-957.	10.0	48
81	Donor-band ferromagnetism in cobalt-doped indium oxide. <i>Physical Review B</i> , 2011, 84, .	3.2	42
82	Purification and Characterization of the [NiFe]-Hydrogenase of <i>Shewanella oneidensis</i> MR-1. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5584-5590.	3.1	38
83	Arsenic Speciation in Tissues of the Hyperaccumulator <i>P. calomelanos</i> var. <i>austroamericana</i> using X-ray Absorption Spectroscopy. <i>Environmental Science & Technology</i> , 2010, 44, 4735-4740.	10.0	37
84	MnSe phase segregation during heteroepitaxy of Mn doped Ga ₂ Se ₃ on Si(001). <i>Applied Physics Letters</i> , 2009, 95, 241907.	3.3	4
85	Pathways of Aqueous Cr(VI) Attenuation in a Slightly Alkaline Oxidic Subsurface. <i>Environmental Science & Technology</i> , 2009, 43, 1071-1077.	10.0	23
86	Microbial Reduction of Intragrain U(VI) in Contaminated Sediment. <i>Environmental Science & Technology</i> , 2009, 43, 4928-4933.	10.0	24
87	Reduction and long-term immobilization of technetium by Fe(II) associated with clay mineral nontronite. <i>Chemical Geology</i> , 2009, 264, 127-138.	3.3	108
88	Oxidative dissolution potential of biogenic and abiogenic TcO ₂ in subsurface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2299-2313.	3.9	54
89	Treatment of Nitric Acid-, U(VI)-, and Tc(VII)-Contaminated Groundwater in Intermediate-Scale Physical Models of an In Situ Biobarrier. <i>Environmental Science & Technology</i> , 2009, 43, 1952-1961.	10.0	15
90	Reduction of Tc(VII) by Fe(II) Sorbed on Al (hydr)oxides. <i>Environmental Science & Technology</i> , 2008, 42, 5499-5506.	10.0	69

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91	A short working distance multiple crystal x-ray spectrometer. Review of Scientific Instruments, 2008, 79, 123112.	1.3	31
92	Heterogeneous reduction of Tc(VII) by Fe(II) at the solid-water interface. Geochimica Et Cosmochimica Acta, 2008, 72, 1521-1539.	3.9	148
93	Kinetics of Reduction of Fe(III) Complexes by Outer Membrane Cytochromes MtrC and OmcA of <i>Shewanella oneidensis</i> MR-1. Applied and Environmental Microbiology, 2008, 74, 6746-6755.	3.1	89
94	Nucleation and Growth of MOCVD Grown (Cr, Zn)O Films. Journal of the Electrochemical Society, 2007, 154, D134.	2.9	6
95	CR(VI) FATE IN MINERALOGICALLY ALTERED SEDIMENTS BY HYPERALKALINE WASTE FLUIDS. Soil Science, 2007, 172, 598-613.	0.9	11
96	Reduction of pertechnetate [Tc(VII)] by aqueous Fe(II) and the nature of solid phase redox products. Geochimica Et Cosmochimica Acta, 2007, 71, 2137-2157.	3.9	154
97	Transition metal co-precipitation mechanisms in silicon. Acta Materialia, 2007, 55, 6119-6126.	7.9	53
98	Chromium(III) Hydroxide Solubility in the Aqueous $K^+-H^+-OH^- -CO_2-HCO_3^- -CO_3^{2-} -H_2O$ System: A Thermodynamic Model. Journal of Solution Chemistry, 2007, 36, 1261-1285.	1.2	43
99	Structural observations of time dependent oscillatory behavior of Cu(II)Cl ₂ solutions measured via extended X-ray absorption fine structure. Journal of Inorganic Biochemistry, 2007, 101, 715-726.	3.5	7
100	The PNC/XOR X-ray microprobe station at APS sector 20. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 215-217.	1.6	36
101	Residual Waste from Hanford Tanks 241-C-203 and 241-C-204. 1. Solids Characterization. Environmental Science & Technology, 2006, 40, 3749-3754.	10.0	28
102	Reduction of Uranyl in the Interlayer Region of Low Iron Micas under Anoxic and Aerobic Conditions. Environmental Science & Technology, 2006, 40, 5003-5009.	10.0	45
103	Changes in Uranium Speciation through a Depth Sequence of Contaminated Hanford Sediments. Environmental Science & Technology, 2006, 40, 2517-2524.	10.0	135
104	Synthesis of Organically Templated Nanoporous Tin(II/IV) Phosphate for Radionuclide and Metal Sequestration. Inorganic Chemistry, 2006, 45, 2382-2384.	4.0	25
105	Chromium phase behavior in a multi-component borosilicate glass melt. Journal of Non-Crystalline Solids, 2006, 352, 2114-2122.	3.1	32
106	Chemical natures and distributions of metal impurities in multicrystalline silicon materials. Progress in Photovoltaics: Research and Applications, 2006, 14, 513-531.	8.1	162
107	Ferromagnetism in oxide semiconductors. Materials Today, 2006, 9, 28-35.	14.2	345
108	Transition metals in photovoltaic-grade ingot-cast multicrystalline silicon: Assessing the role of impurities in silicon nitride crucible lining material. Journal of Crystal Growth, 2006, 287, 402-407.	1.5	67

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109	Cobalt-doped anatase TiO ₂ : A room temperature dilute magnetic dielectric material. <i>Journal of Applied Physics</i> , 2005, 97, 10D320.	2.5	40
110	Negligible Magnetism in Excellent Structural Quality Cr _x Ti _{1-x} O ₂ Anatase: Contrast with High-TC Ferromagnetism in Structurally Defective Cr _x Ti _{1-x} O ₂ . <i>Physical Review Letters</i> , 2005, 95, 217203.	7.8	164
111	Intrinsic Ferromagnetism in Insulating Cobalt Doped Anatase TiO ₂ . <i>Physical Review Letters</i> , 2005, 94, 157204.	7.8	315
112	Low-Temperature Activation and Deactivation of High-Curie-Temperature Ferromagnetism in a New Diluted Magnetic Semiconductor: Ni ²⁺ -Doped SnO ₂ . <i>Journal of the American Chemical Society</i> , 2005, 127, 14479-14487.	13.7	116
113	Distribution and Role of Trace Transition Metals in Glycera Worm Jaws Studied with Synchrotron Microbeam Techniques. <i>Chemistry of Materials</i> , 2005, 17, 2927-2931.	6.7	36
114	High-pressure, high-temperature x-ray absorption fine structure transmission cell for the study of aqueous ions with low absorption-edge energies. <i>Review of Scientific Instruments</i> , 2004, 75, 5228-5231.	1.3	18
115	Room-temperature ferromagnetism in ion-implanted Co-doped TiO ₂ (110) rutile. <i>Applied Physics Letters</i> , 2004, 84, 4466-4468.	3.3	49
116	Strong Room-Temperature Ferromagnetism in Co ²⁺ -Doped TiO ₂ Made from Colloidal Nanocrystals. <i>Journal of the American Chemical Society</i> , 2004, 126, 11640-11647.	13.7	219
117	Heterogeneous reduction of uranyl by micas: Crystal chemical and solution controls. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2417-2435.	3.9	92
118	Reduction of TcO ₄ ⁻ by sediment-associated biogenic Fe(II). <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3171-3187.	3.9	184
119	Dissolution of uranyl microprecipitates in subsurface sediments at Hanford Site, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4519-4537.	3.9	110
120	Speciation and characterization of arsenic in gold ores and cyanidation tailings using X-ray absorption spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 969-983.	3.9	169
121	Imaging the heterogeneity of mineral surface reactivity using Ag(I) and synchrotron X-ray microscopy. <i>Physics and Chemistry of Minerals</i> , 2003, 30, 559-569.	0.8	3
122	Understanding the Effects of Concentration on the Solvation Structure of Ca ²⁺ in Aqueous Solution. I: The Perspective on Local Structure from EXAFS and XANES. <i>Journal of Physical Chemistry A</i> , 2003, 107, 4688-4696.	2.5	201
123	Effect of Coupled Dissolution and Redox Reactions on Cr(VI) Attenuation during Transport in the Sediments under Hyperalkaline Conditions. <i>Environmental Science & Technology</i> , 2003, 37, 3640-3646.	10.0	39
124	Zinc and mechanical prowess in the jaws of Nereis, a marine worm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9144-9149.	7.1	166
125	Versatile focusing using a combination of toroidal and Kirkpatrick-Baez mirrors. <i>Review of Scientific Instruments</i> , 2002, 73, 1527-1529.	1.3	5
126	Coprecipitation of Uranium(VI) with Calcite: XAFS, micro-XAS, and luminescence characterization. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 3491-3503.	3.9	180

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127	XAFS at the Pacific Northwest Consortium-Collaborative Access Team undulator beamline. Journal of Synchrotron Radiation, 2001, 8, 342-344.	2.4	30
128	Log spiral of revolution highly oriented pyrolytic graphite monochromator for fluorescence x-ray absorption edge fine structure. Review of Scientific Instruments, 2000, 71, 3267-3273.	1.3	11
129	New experimental developments for in situ XAFS studies of chemical reactions under hydrothermal conditions. Chemical Geology, 2000, 167, 89-103.	3.3	31
130	Granule-by-granule reconstruction of a sandpile from x-ray microtomography data. Physical Review E, 2000, 62, 8175-8181.	2.1	85
131	The Discovery and Study of Nanocrystalline TiO ₂ -(MoO ₃) Core-Shell Materials. Journal of the American Chemical Society, 2000, 122, 5138-5146.	13.7	160
132	Spectral dependence of point defect production by x rays in RbBr. Physical Review B, 1999, 60, 7037-7042.	3.2	1
133	XAFS and micro-XAFS at the PNC-CAT beamlines. Journal of Synchrotron Radiation, 1999, 6, 347-349.	2.4	97
134	Point defect production by X-rays above and below the bromine K-edge in KBr. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1998, 20, 853-858.	0.4	1
135	Local oxygen octahedra rotations in Ba _{1-x} K _x BiO ₃ and BaBiO ₃ . Solid State Communications, 1997, 101, 801-806.	1.9	25
136	Lattice strains in disordered mixed salts. Solid State Communications, 1996, 99, 67-71.	1.9	28
137	Charge redistribution in AuZn: An x-ray-absorption near-edge-structure study. Physical Review B, 1994, 49, 3709-3712.	3.2	16
138	Apical Cu-O bond in YBa ₂ Cu ₃ O _{7-δ} superconductors by XAFS. Physica C: Superconductivity and Its Applications, 1993, 209, 331-334.	1.2	38
139	Nature of hole doping in Nd ₂ NiO ₄ and La ₂ NiO ₄ : Comparison with La ₂ CuO ₄ . Physical Review B, 1993, 47, 12365-12368.	3.2	31
140	Sequential δ - δ implantation synthesis of ternary metal silicides. Applied Physics Letters, 1993, 63, 791-793.	3.3	21
141	Comparison of glancing angle extended x-ray absorption fine structure obtained from fluorescence and reflectivity measurements. Journal of Applied Physics, 1993, 73, 2467-2471.	2.5	5
142	Structural study of the Sn/Ge interface of highly milled Sn-Ge powders. Physical Review B, 1993, 47, 2465-2472.	3.2	2
143	Interfacial reactions between nickel-chromium alloys and aluminum. Journal of Applied Physics, 1992, 71, 3766-3772.	2.5	2
144	Operation of a dynamically bent sagittally focusing double crystal monochromator for XAFS studies. Review of Scientific Instruments, 1992, 63, 880-884.	1.3	15

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145	Density and defects in thin metal films using x-ray reflectivity and variable-energy positrons. Journal of Applied Physics, 1992, 72, 4669-4673.	2.5	15
146	Rare-earth valence and doping in T_2T_4 , and T^* -phase R_2CuO_4 (R =rare earths). Physical Review B, 1992, 45, 2593-2596.	3.2	20
147	EXAFS at grazing incidence: Data collection and analysis. Review of Scientific Instruments, 1992, 63, 873-878.	1.3	26
148	Gold-induced germanium crystallization. Physical Review B, 1992, 46, 9505-9510.	3.2	72
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