Jan Pieter Glatzel

List of Publications by Year
in descending order

231 papers	14,718 citations	18482 62 h-index	22166 113 g-index
243 all docs	243 docs citations	243 times ranked	13669 citing authors

#	Article	IF	Citations
1	Dynamic Role of Gold d-Orbitals during CO Oxidation under Aerobic Conditions. ACS Catalysis, 2022, 12, 3615-3627.	11.2	9
2	Electrochemical transformation of Fe-N-C catalysts into iron oxides in alkaline medium and its impact on the oxygen reduction reaction activity. Applied Catalysis B: Environmental, 2022, 311, 121366.	20.2	22
3	Chemical Information in the L₃ X-ray Absorption Spectra of Molybdenum Compounds by High-Energy-Resolution Detection and Density Functional Theory. Inorganic Chemistry, 2022, 61, 869-881.	4.0	3
4	Crystal Chemistry of Thallium in Marine Ferromanganese Deposits. ACS Earth and Space Chemistry, 2022, 6, 1269-1285.	2.7	9
5	In Vivo Formation of HgSe Nanoparticles and Hgâ€“Tetraselenolate Complex from Methylmercury in Seabirdsâ€”Implications for the Hgâ€“Se Antagonism. Environmental Science & Technology, 2021, 55, 1515-1526.	10.0	75
6	Acute Toxicity of Divalent Mercury to Bacteria Explained by the Formation of Dicysteinate and Tetracysteinate Complexes Bound to Proteins in Escherichia coli and Bacillus subtilis. Environmental Science & Technology, 2021, 55, 3612-3623.	10.0	9
7	Chemical Forms of Mercury in Blue Marlin Billfish: Implications for Human Exposure. Environmental Science and Technology Letters, 2021, 8, 405-411.	8.7	21
8	On the presence of covalently bound phosphorus in amorphous Niâ€“Coâ€“P and Feâ€“Coâ€“P electroplates. Materials Chemistry and Physics, 2021, 272, 124987.	4.0	4
9	The five-analyzer point-to-point scanning crystal spectrometer at ESRF ID26. Journal of Synchrotron Radiation, 2021, 28, 362-371.	2.4	19
10	X-ray Dichroisms in Spherical Tensor and Greenâ€™s Function Formalism. Springer Proceedings in Physics, 2021, , 83-130.	0.2	0
11	Demethylation of Methylmercury in Bird, Fish, and Earthworm. Environmental Science & Technology, 2021, 55, 1527-1534.	10.0	61
12	Atomic/molecular layer deposition of Ni-terephthalate thin films. Dalton Transactions, 2021, 50, 16133-16138.	3.3	5
13	Temperature-Driven Self-Doping in Magnetite. Physical Review Letters, 2021, 127, 186402.	7.8	7
14	Identification of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>Dy</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mn><mm as Electron Trap in Persistent Phosphors. Physical Review Letters, 2020, 125, 033001.	7.8	64
15	New reflections on hard X-ray photon-in/photon-out spectroscopy. Nanoscale, 2020, 12, 16270-16284.	5.6	21
16	Damages Induced by Synchrotron Radiation-Based X-ray Microanalysis in Chrome Yellow Paints and Related Cr-Compounds: Assessment, Quantification, and Mitigation Strategies. Analytical Chemistry, 2020, 92, 14164-14173.	6.5	22
17	Chemical Sensitivity of KÎ² and KÎ± X-ray Emission from a Systematic Investigation of Iron Compounds. Inorganic Chemistry, 2020, 59, 12518-12535.	4.0	55
18	TEXS: in-vacuum tender X-ray emission spectrometer with 11 Johansson crystal analyzers. Journal of Synchrotron Radiation, 2020, 27, 813-826.	2.4	19

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19	The Mode of Incorporation of As(-I) and Se(-I) in Natural Pyrite Revisited. ACS Earth and Space Chemistry, 2020, 4, 379-390.	2.7	18
20	HERFD-XANES probes of electronic structures of iron^{II/III} carbene complexes. Physical Chemistry Chemical Physics, 2020, 22, 9067-9073.	2.8	6
21	More than protection: the function of TiO₂ interlayers in hematite functionalized Si photoanodes. Physical Chemistry Chemical Physics, 2020, 22, 28459-28467.	2.8	3
22	Energy and Environmental Science at ESRF. Synchrotron Radiation News, 2020, 33, 40-51.	0.8	3
23	Evidence for syngenetic micro-inclusions of As3+- and As5+-containing Cu sulfides in hydrothermal pyrite. American Mineralogist, 2019, 104, 300-306.	1.9	4
24	Revealing the Chemical Form of â€œInvisibleâ€•Gold in Natural Arsenian Pyrite and Arsenopyrite with High Energy-Resolution X-ray Absorption Spectroscopy. ACS Earth and Space Chemistry, 2019, 3, 1905-1914.	2.7	39
25	Noncollinear Ordering of the Orbital Magnetic Moments in Magnetite. Physical Review Letters, 2019, 123, 207201.	7.8	10
26	Frontispiece: Mercury(II) Binding to Metallothionein in Mytilus edulis revealed by High Energy-Resolution XANES Spectroscopy. Chemistry - A European Journal, 2019, 25, .	3.3	0
27	Divalent Mercury in Dissolved Organic Matter Is Bioavailable to Fish and Accumulates as Dithiolate and Tetrathiolate Complexes. Environmental Science & Technology, 2019, 53, 4880-4891.	10.0	30
28	Resonant inelastic X-ray scattering determination of the electronic structure of oxyhemoglobin and its model complex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2854-2859.	7.1	28
29	A microstructured p-Si photocathode outcompetes Pt as a counter electrode to hematite in photoelectrochemical water splitting. Dalton Transactions, 2019, 48, 1166-1170.	3.3	6
30	XAFS17 Highlights XAS and Related Techniques. Synchrotron Radiation News, 2019, 32, 15-17.	0.8	2
31	Unravelling the Different Reaction Pathways for Low Temperature CO Oxidation on Pt/CeO₂ and Pt/Al₂O₃ by Spatially Resolved Structureâ€“Activity Correlations. Journal of Physical Chemistry Letters, 2019, 10, 7698-7705.	4.6	58
32	Mercury(II) Binding to Metallothionein in Mytilus edulis revealed by High Energyâ€Resolution XANES Spectroscopy. Chemistry - A European Journal, 2019, 25, 997-1009.	3.3	23
33	Measurement of f orbital hybridization in rare earths through electric dipole-octupole interference in x-ray absorption spectroscopy. Physical Review Materials, 2019, 3, .	2.4	5
34	Resonant Inelastic X-ray Scattering at the ESRF: An Evolving Portfolio for Hard and Soft X-rays. Synchrotron Radiation News, 2018, 31, 26-30.	0.8	5
35	Examination of the influence of La promotion on Ni state in hydrotalcite-derived catalysts under CO2 methanation reaction conditions: Operando X-ray absorption and emission spectroscopy investigation. Applied Catalysis B: Environmental, 2018, 232, 409-419.	20.2	87
36	Biogenesis of Mercuryâ€“Sulfur Nanoparticles in Plant Leaves from Atmospheric Gaseous Mercury. Environmental Science & Technology, 2018, 52, 3935-3948.	10.0	75

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37	Small changes in Cu redox state and speciation generate large isotope fractionation during adsorption and incorporation of Cu by a phototrophic biofilm. Geochimica Et Cosmochimica Acta, 2018, 220, 1-18.	3.9	28
38	Application of valence-to-core X-ray emission spectroscopy for identification and estimation of amount of carbon covalently bonded to chromium in amorphous Cr-C coatings prepared by magnetron sputtering. Applied Surface Science, 2018, 427, 566-572.	6.1	6
39	Single Au Atom Doping of Silver Nanoclusters. ACS Nano, 2018, 12, 12751-12760.	14.6	74
40	Insights into the Synthesis Mechanism of Ag₂₉ Nanoclusters. Journal of Physical Chemistry C, 2018, 122, 28351-28361.	3.1	22
41	The Nuclearity of the Active Site for Methane to Methanol Conversion in Cu-Mordenite: A Quantitative Assessment. Journal of the American Chemical Society, 2018, 140, 15270-15278.	13.7	177
42	Photo-electrochemical hydrogen production from neutral phosphate buffer and seawater using micro-structured p-Si photo-electrodes functionalized by solution-based methods. Sustainable Energy and Fuels, 2018, 2, 2215-2223.	4.9	14
43	Chemical Forms of Mercury in Pyrite: Implications for Predicting Mercury Releases in Acid Mine Drainage Settings. Environmental Science & Technology, 2018, 52, 10286-10296.	10.0	37
44	Improving the quality of XAFS data. Journal of Synchrotron Radiation, 2018, 25, 972-980.	2.4	29
45	Synergistic interplay of Zn and Rh-Cr promoters on Ga2O3 based photocatalysts for water splitting. Physical Chemistry Chemical Physics, 2018, 20, 23515-23521.	2.8	5
46	High energy-resolution x-ray spectroscopy at ultra-high dilution with spherically bent crystal analyzers of 0.5 m radius. Review of Scientific Instruments, 2017, 88, 013108.	1.3	62
47	Influence of the nature and environment of manganese in Mn-BEA zeolites on NO conversion in selective catalytic reduction with ammonia. Physical Chemistry Chemical Physics, 2017, 19, 13553-13561.	2.8	6
48	Evidence of Mott physics in iron pnictides from x-ray spectroscopy. Physical Review B, 2017, 96, .	3.2	24
49	Oxidation and Luminescence Quenching of Europium in BaMgAl₁₀O₁₇ Blue Phosphors. Chemistry of Materials, 2017, 29, 10122-10129.	6.7	41
50	Long-range interactions in the effective low-energy Hamiltonian of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="bold">Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">IrO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> : A core-to-core resonant inelastic x-ray scattering study. Physical Review B, 2017, 95, .	3.2	18
51	Molybdenum Speciation and its Impact on Catalytic Activity during Methane Dehydroaromatization in Zeolite ZSMâ€5 as Revealed by Operando Xâ€Ray Methods. Angewandte Chemie, 2016, 128, 5301-5305.	2.0	37
52	Element substitution by living organisms: the case of manganese in mollusc shell aragonite. Scientific Reports, 2016, 6, 22514.	3.3	42
53	Molybdenum Speciation and its Impact on Catalytic Activity during Methane Dehydroaromatization in Zeolite ZSMâ€5 as Revealed by Operando Xâ€Ray Methods. Angewandte Chemie - International Edition, 2016, 55, 5215-5219.	13.8	133
54	Chemical Forms of Mercury in Human Hair Reveal Sources of Exposure. Environmental Science & Technology, 2016, 50, 10721-10729.	10.0	53

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55	Intramolecular Hgâ‹¯Ï€ interactions of d-character with non-bridging atoms in mercuryâ€“aryl complexes. Dalton Transactions, 2016, 45, 14035-14038.	3.3	9
56	X-ray magnetic circular dichroism measured at the FeK-edge with a reduced intrinsic broadening: x-ray absorption spectroscopy versus resonant inelastic x-ray scattering measurements. Journal of Physics Condensed Matter, 2016, 28, 505202.	1.8	3
57	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>K</mml:mi></mml:math>-edge x-ray emission and absorption spectroscopy study of the electronic and local structure of the three different phases in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi	3.2	24
58	mathvariant="normal">N</mml:mi></mml:mrow></mml:math>probed by x-ray absorption and emission spectroscopy, high-resolution microscopy, x-ray diffraction, and first-principles calculations. Physical Review B, 2015, 92, . Benchtop Nonresonant X-ray Emission Spectroscopy: Coming Soon to Laboratories and XAS Beamlines Near You?. Journal of Physics: Conference Series, 2016, 712, 012036.	0.4	24
59	Electronic properties of epitaxial cerium oxide films during controlled reduction and oxidation studied by resonant inelastic X-ray scattering. Physical Chemistry Chemical Physics, 2016, 18, 20511-20517.	2.8	24
60	Observing Solvation Dynamics with Simultaneous Femtosecond X-ray Emission Spectroscopy and X-ray Scattering. Journal of Physical Chemistry B, 2016, 120, 1158-1168.	2.6	85
61	Spectroscopic properties of $$hbox {Cr}^{3+}$$ Cr 3 + in the spinel solid solution $$hbox {ZnAl}_{2-x}hbox {Cr}_{x}hbox {O}_4$$ ZnAl 2 - x Cr x O 4. Physics and Chemistry of Minerals, 2016, 43, 33-42.	0.8	16
62	Incorporation of Mn in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Al</mml:mi><mml:mi>x</mml:mi></mml:ms mathvariant="normal">N</mml:mi></mml:mrow></mml:math>probed by x-ray absorption and emission spectroscopy, high-resolution microscopy, x-ray diffraction, and first-principles calculations. Physical Review B, 2015, 92, .	3.2	2
63	Experimental evidence of Xe incorporation in Schottky defects in UO2. Applied Physics Letters, 2015, 106, .	3.3	25
64	High-energy resolution X-ray absorption and emission spectroscopy reveals insight into unique selectivity of La-based nanoparticles for CO ₂. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15803-15808.	7.1	46
65	Structure, Bonding, and Stability of Mercury Complexes with Thiolate and Thioether Ligands from High-Resolution XANES Spectroscopy and First-Principles Calculations. Inorganic Chemistry, 2015, 54, 11776-11791.	4.0	57
66	Resonant Inelastic X-ray Scattering of Molybdenum Oxides and Sulfides. Journal of Physical Chemistry C, 2015, 119, 2419-2426.	3.1	18
67	XAS and XES Techniques Shed Light on the Dark Side of Zieglerâ€“Natta Catalysts: Activeâ€Site Generation. ChemCatChem, 2015, 7, 1432-1437.	3.7	31
68	Probing Longâ€Lived Plasmonicâ€Generated Charges in TiO₂/Au by Highâ€Resolution Xâ€ray Absorption Spectroscopy. Angewandte Chemie - International Edition, 2015, 54, 5413-5416.	13.8	67
69	Chemical state of phosphorus in amorphous Niâ€“Feâ€“P electroplates. Surface and Coatings Technology, 2015, 275, 239-244.	4.8	17
70	Detailed Characterization of a Nanosecond-Lived Excited State: X-ray and Theoretical Investigation of the Quintet State in Photoexcited [Fe(terpy)₂]²⁺. Journal of Physical Chemistry C, 2015, 119, 5888-5902.	3.1	72
71	Spatial imaging of carbon reactivity centers in Pd/C catalytic systems. Chemical Science, 2015, 6, 3302-3313.	7.4	49
72	Structural snapshots of the SCR reaction mechanism on Cu-SSZ-13. Chemical Communications, 2015, 51, 9227-9230.	4.1	101

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73	Behavior of fission gases in nuclear fuel: XAS characterization of Kr in UO2. Journal of Nuclear Materials, 2015, 466, 379-392.	2.7	22
74	Formation of Mercury Sulfide from Hg(II)â€“Thiolate Complexes in Natural Organic Matter. Environmental Science & Technology, 2015, 49, 9787-9796.	10.0	111
75	Hard x-ray emission spectroscopy: a powerful tool for the characterization of magnetic semiconductors. Semiconductor Science and Technology, 2014, 29, 023002.	2.0	60
76	Accurate macromolecular structures using minimal measurements from X-ray free-electron lasers. Nature Methods, 2014, 11, 545-548.	19.0	140
77	Programmed Iron Oxide Nanoparticles Disintegration in Anaerobic Digesters Boosts Biogas Production. Small, 2014, 10, 2801-2808.	10.0	153
78	Crystal-field excitations in NiO under high pressure studied by resonant inelastic x-ray scattering. Journal of Physics Condensed Matter, 2014, 26, 135501.	1.8	2
79	Identification of a spin-coupled Mo(<scp>iii</scp>) in the nitrogenase ironâ€“molybdenum cofactor. Chemical Science, 2014, 5, 3096-3103.	7.4	164
80	X-ray Spectroscopic Study of Solvent Effects on the Ferrous and Ferric Hexacyanide Anions. Journal of Physical Chemistry A, 2014, 118, 9411-9418.	2.5	42
81	Architecture of the Ti(IV) Sites in TiAlPO-5 Determined Using Ti K-Edge X-ray Absorption and X-ray Emission Spectroscopies. Journal of Physical Chemistry C, 2014, 118, 11745-11751.	3.1	13
82	Site-Selective High-Resolution X-ray Absorption Spectroscopy and High-Resolution X-ray Emission Spectroscopy of Cobalt Nanoparticles. Inorganic Chemistry, 2014, 53, 8367-8375.	4.0	18
83	Direct evidence for an interdiffused intermediate layer in bi-magnetic coreâ€“shell nanoparticles. Nanoscale, 2014, 6, 11911-11920.	5.6	46
84	Taking snapshots of photosynthetic water oxidation using femtosecond X-ray diffraction and spectroscopy. Nature Communications, 2014, 5, 4371.	12.8	206
85	Valence to Core Xâ€ray Emission Spectroscopy. Advanced Materials, 2014, 26, 7730-7746.	21.0	87
86	Valence-to-Core-Detected X-ray Absorption Spectroscopy: Targeting Ligand Selectivity. Journal of the American Chemical Society, 2014, 136, 10076-10084.	13.7	37
87	The role of Hartreeâ€“Fock exchange in the simulation of X-ray absorption spectra: A study of photoexcited. Chemical Physics Letters, 2013, 580, 179-184.	2.6	43
88	Spin-polarized electronic structure of the coreâ€“shell ZnO/ZnO:Mn nanowires probed by X-ray absorption and emission spectroscopy. Journal of Analytical Atomic Spectrometry, 2013, 28, 1629.	3.0	11
89	Absence of Ce³⁺ Sites in Chemically Active Colloidal Ceria Nanoparticles. ACS Nano, 2013, 7, 10726-10732.	14.6	160
90	High-resolution molybdenum K-edge X-ray absorption spectroscopy analyzed with time-dependent density functional theory. Physical Chemistry Chemical Physics, 2013, 15, 20911.	2.8	62

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91	Spin-state studies with XES and RIXS: From static to ultrafast. Journal of Electron Spectroscopy and Related Phenomena, 2013, 188, 166-171.	1.7	87
92	High energy resolution core-level X-ray spectroscopy for electronic and structural characterization of osmium compounds. Physical Chemistry Chemical Physics, 2013, 15, 16152.	2.8	33
93	Metalâ€“Ligand Covalency of Iron Complexes from High-Resolution Resonant Inelastic X-ray Scattering. Journal of the American Chemical Society, 2013, 135, 17121-17134.	13.7	75
94	Chemical State of Complex Uranium Oxides. Physical Review Letters, 2013, 111, 253002.	7.8	212
95	Preference towards Fiveâ€Coordination in Ti Silicaliteâ€1 upon Molecular Adsorption. ChemPhysChem, 2013, 14, 79-83.	2.1	53
96	Simultaneous Femtosecond X-ray Spectroscopy and Diffraction of Photosystem II at Room Temperature. Science, 2013, 340, 491-495.	12.6	378
97	Reflections on hard X-ray photon-in/photon-out spectroscopy for electronic structure studies. Journal of Electron Spectroscopy and Related Phenomena, 2013, 188, 17-25.	1.7	128
98	Structure Induced Yb Valence Changes in the Solid Solution YbxCa1-xC2. Inorganic Chemistry, 2013, 52, 7020-7030.	4.0	4
99	Toward Highlighting the Ultrafast Electron Transfer Dynamics at the Optically Dark Sites of Photocatalysts. Journal of Physical Chemistry Letters, 2013, 4, 1972-1976.	4.6	49
100	Local surrounding of vanadium atoms in CuCr1 â˜' x V x S2: X-ray absorption spectroscopy analysis. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2013, 114, 397-400.	0.6	2
101	Silica-supported Ti chloride tetrahydrofuranates, precursors of Zieglerâ€“Natta catalysts. Dalton Transactions, 2013, 42, 12706.	3.3	33
102	Electronic Structural Changes of Mn in the Oxygen-Evolving Complex of Photosystem II during the Catalytic Cycle. Inorganic Chemistry, 2013, 52, 5642-5644.	4.0	57
103	dd Excitations in CPO-27-Ni Metalâ€“Organic Framework: Comparison between Resonant Inelastic X-ray Scattering and UVâ€“vis Spectroscopy. Inorganic Chemistry, 2013, 52, 5633-5635.	4.0	21
104	Thermal deformation of cryogenically cooled silicon crystals under intense X-ray beams: measurement and finite-element predictions ofÂtheÂsurface shape. Journal of Synchrotron Radiation, 2013, 20, 567-580.	2.4	45
105	Hard x-ray absorption spectroscopy for pulsed sources. Physical Review B, 2013, 87, .	3.2	21
106	Real Space Green's Function Approach to Resonant Inelastic X-Ray Scattering and HERFD XAS. Journal of Physics: Conference Series, 2013, 430, 012003.	0.4	2
107	Thermal distortion minimization by geometry optimization for water-cooled white beam mirror or multilayer optics. Journal of Physics: Conference Series, 2013, 425, 052029.	0.4	18
108	Energy-dispersive X-ray emission spectroscopy using an X-ray free-electron laser in a shot-by-shot mode. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19103-19107.	7.1	113

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109	Nanoflow electrospinning serial femtosecond crystallography. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 1584-1587.	2.5	167
110	1s2p resonant inelastic x-ray scattering-magnetic circular dichroism: A sensitive probe of 3d magnetic moments using hard x-ray photons. Journal of Applied Physics, 2012, 111, 07E301.	2.5	16
111	Fifteenth International Conference on X-ray Absorption Fine Structure. Synchrotron Radiation News, 2012, 25, 3-3.	0.8	0
112	Spectroscopic and adsorptive studies of a thermally robust pyrazolato-based PCP. Dalton Transactions, 2012, 41, 4012.	3.3	25
113	HERFD XAS/ATR-FTIR batch reactor cell. Physical Chemistry Chemical Physics, 2012, 14, 2164-2170.	2.8	29
114	Spectator and participator processes in the resonant photon-in and photon-out spectra at the Ce L3 edge of CeO2. European Physical Journal B, 2012, 85, 1.	1.5	33
115	Manipulating Mnâ€“Mgk cation complexes to control the charge- and spin-state of Mn in GaN. Scientific Reports, 2012, 2, 722.	3.3	43
116	A tool to plan photon-in/photon-out experiments: count rates, dips and self-absorption. Journal of Synchrotron Radiation, 2012, 19, 911-919.	2.4	22
117	Resonant X-ray emission spectroscopy reveals dâ€“d ligand-field states involved in the self-assembly of a square-planar platinum complex. Physical Chemistry Chemical Physics, 2012, 14, 15278.	2.8	14
118	Intrinsic deviations in fluorescence yield detected x-ray absorption spectroscopy: the case of the transition metal L_{2,3}edges. Journal of Physics Condensed Matter, 2012, 24, 452201.	1.8	47
119	Single Impurity Anderson Model versus Density Functional Theory for Describing Ce<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>L</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>X-Ray Absorption Spectra of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>CeFe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>: Resolution of a Recent Controversy. Physical Review Letters, 2012, 108, 036403.	7.8	21
120	Effect of alkalis on the Fe oxidation state and local environment in peralkaline rhyolitic glasses. American Mineralogist, 2012, 97, 468-475.	1.9	55
121	Room temperature femtosecond X-ray diffraction of photosystem II microcrystals. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9721-9726.	7.1	144
122	Study of N-bridged diiron phthalocyanine relevant to methane oxidation: Insight into oxidation and spin states from high resolution 1s core hole X-ray spectroscopy. Applied Catalysis B: Environmental, 2012, 113-114, 43-51.	20.2	18
123	Yb Valence States in YbC₂: A HERFD-XANES Spectroscopic Investigation. Inorganic Chemistry, 2011, 50, 5587-5595.	4.0	13
124	Real-space Greenâ€™s function approach to resonant inelastic x-ray scattering. Physical Review B, 2011, 83, .	3.2	34
125	Manganese KÎ² X-ray Emission Spectroscopy As a Probe of Metalâ€“Ligand Interactions. Inorganic Chemistry, 2011, 50, 8397-8409.	4.0	118
126	Direct study of the f-electron configuration in lanthanide systems. Journal of Analytical Atomic Spectrometry, 2011, 26, 1265.	3.0	61

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127	Investigation of the valence electronic states of Ti(iv) in Ti silicalite-1 coupling X-ray emission spectroscopy and density functional calculations. Physical Chemistry Chemical Physics, 2011, 13, 19409.	2.8	46
128	V oxidation state in Feâ€“Ti oxides by high-energy resolution fluorescence-detected X-ray absorption spectroscopy. Physics and Chemistry of Minerals, 2011, 38, 449-458.	0.8	65
129	A new method of directly determining the coreâ€“hole effect in the Ce L3 XAS of mixed valence Ce compoundsâ€”An application of resonant X-ray emission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 210-215.	1.7	38
130	Spin-orbit sensitive hard x-ray probe of the occupied and unoccupied<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>5</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math>density of states. Physical Review B, 2011, 84, .	3.2	25
131	Five-element Johann-type x-ray emission spectrometer with a single-photon-counting pixel detector. Review of Scientific Instruments, 2011, 82, 065107.	1.3	93
132	Mechanical aspects of the ID26 emission spectrometer II: improving stability for a large instrument by the use of multiple air pad supports. Diamond Light Source Proceedings, 2010, 1, .	0.1	1
133	Elucidation of the chemical state of phosphorus and boron in crystallographically amorphous nickel electroplates. Russian Journal of Electrochemistry, 2010, 46, 1223-1229.	0.9	8
134	A combined in situ time-resolved UVâ€“Vis, Raman and high-energy resolution X-ray absorption spectroscopy study on the deactivation behavior of Pt and PtSn propane dehydrogenation catalysts under industrial reaction conditions. Journal of Catalysis, 2010, 276, 268-279.	6.2	256
135	Direct Detection of Oxygen Ligation to the Mn₄Ca Cluster of Photosystem II by Xâ€ray Emission Spectroscopy. Angewandte Chemie - International Edition, 2010, 49, 800-803.	13.8	78
136	Picosecond Timeâ€Resolved Xâ€Ray Emission Spectroscopy: Ultrafast Spinâ€State Determination in an Iron Complex. Angewandte Chemie - International Edition, 2010, 49, 5910-5912.	13.8	99
137	Chemical composition and structural transformations of amorphous chromium coatings electrodeposited from Cr(III) electrolytes. Electrochimica Acta, 2010, 56, 145-153.	5.2	61
138	Continuous Flow Cryostat for X-Ray Fluorescence. , 2010, , .		2
139	Electronic structure and local environment of substitutional V3+ in grossular garnet Ca3Al2(SiO4)3: K-edge X-ray absorption spectroscopy and first-principles modeling. American Mineralogist, 2010, 95, 1161-1171.	1.9	20
140	Hard x-ray probe to study doping-dependent electron redistribution and strong covalency inLa1â^'xSr1+xMnO4. Physical Review B, 2010, 82, .	3.2	24
141	Strong<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi></mml:math>-edge Magnetic Circular Dichroism Observed in Photon-inâ€“Photon-out Spectroscopy. Physical Review Letters, 2010, 105, 037202.	7.8	39
142	Ligand Identification in Titanium Complexes Using X-ray Valence-to-Core Emission Spectroscopy. Inorganic Chemistry, 2010, 49, 8323-8332.	4.0	48
143	Electronic structure changes in cobalt phthalocyanine due to nanotube encapsulation probed using resonant inelastic X-ray scattering. Physical Chemistry Chemical Physics, 2010, 12, 9693.	2.8	27
144	In Situ Characterization of the 5d Density of States of Pt Nanoparticles upon Adsorption of CO. Journal of the American Chemical Society, 2010, 132, 2555-2557.	13.7	111

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