

Jan Pieter Glatzel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

230
papers

12,510
citations

58
h-index

104
g-index

243
ext. papers

13,587
ext. citations

6.2
avg, IF

6.19
L-index

#	Paper	IF	Citations
230	Dynamic Role of Gold d-Orbitals during CO Oxidation under Aerobic Conditions. <i>ACS Catalysis</i> , 2022 , 12, 3615-3627	13.1	2
229	Electrochemical Transformation of Fe-N-C catalysts into Iron Oxides in Alkaline Medium and Its Impact on the Oxygen Reduction Reaction Activity. <i>Applied Catalysis B: Environmental</i> , 2022 , 121366	21.8	3
228	Atomic/molecular layer deposition of Ni-terephthalate thin films. <i>Dalton Transactions</i> , 2021 , 50, 16133-16138	1.3	1
227	Temperature-Driven Self-Doping in Magnetite. <i>Physical Review Letters</i> , 2021 , 127, 186402	7.4	1
226	Chemical Forms of Mercury in Blue Marlin Billfish: Implications for Human Exposure. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 405-411	11	7
225	In Vivo Formation of HgSe Nanoparticles and Hg-Tetrarselenolate Complex from Methylmercury in Seabirds-Implications for the Hg-Se Antagonism. <i>Environmental Science & Technology</i> , 2021 , 55, 1515-1526	10.3	30
224	Acute Toxicity of Divalent Mercury to Bacteria Explained by the Formation of Dicysteinate and Tetracysteinate Complexes Bound to Proteins in and. <i>Environmental Science & Technology</i> , 2021 , 55, 3612-3623	10.3	5
223	On the presence of covalently bound phosphorus in amorphous Ni ₃ CoP and Fe ₃ CoP electroplates. <i>Materials Chemistry and Physics</i> , 2021 , 272, 124987	4.4	0
222	The five-analyzer point-to-point scanning crystal spectrometer at ESRF ID26. <i>Journal of Synchrotron Radiation</i> , 2021 , 28, 362-371	2.4	7
221	X-ray Dichroisms in Spherical Tensor and Green's Function Formalism. <i>Springer Proceedings in Physics</i> , 2021 , 83-130	0.2	
220	Demethylation of Methylmercury in Bird, Fish, and Earthworm. <i>Environmental Science & Technology</i> , 2021 , 55, 1527-1534	10.3	28
219	Chemical Information in the L X-ray Absorption Spectra of Molybdenum Compounds by High-Energy-Resolution Detection and Density Functional Theory.. <i>Inorganic Chemistry</i> , 2021 ,	5.1	1
218	TEXS: in-vacuum tender X-ray emission spectrometer with 11 Johansson crystal analyzers. <i>Journal of Synchrotron Radiation</i> , 2020 , 27, 813-826	2.4	12
217	The Mode of Incorporation of As(-I) and Se(-I) in Natural Pyrite Revisited. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 379-390	3.2	6
216	More than protection: the function of TiO interlayers in hematite functionalized Si photoanodes. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 28459-28467	3.6	1
215	Energy and Environmental Science at ESRF. <i>Synchrotron Radiation News</i> , 2020 , 33, 40-51	0.6	1
214	Identification of Dy ^{3+} /Dy ^{2+} as Electron Trap in Persistent Phosphors. <i>Physical Review Letters</i> , 2020 , 125, 033001	7.4	36

213	New reflections on hard X-ray photon-in/photon-out spectroscopy. <i>Nanoscale</i> , 2020 , 12, 16270-16284	7.7	8
212	Damages Induced by Synchrotron Radiation-Based X-ray Microanalysis in Chrome Yellow Paints and Related Cr-Compounds: Assessment, Quantification, and Mitigation Strategies. <i>Analytical Chemistry</i> , 2020 , 92, 14164-14173	7.8	13
211	Chemical Sensitivity of K α and K β X-ray Emission from a Systematic Investigation of Iron Compounds. <i>Inorganic Chemistry</i> , 2020 , 59, 12518-12535	5.1	19
210	HERFD-XANES probes of electronic structures of iron carbene complexes. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9067-9073	3.6	5
209	Divalent Mercury in Dissolved Organic Matter Is Bioavailable to Fish and Accumulates as Dithiolate and Tetrathiolate Complexes. <i>Environmental Science & Technology</i> , 2019 , 53, 4880-4891	10.3	24
208	Resonant inelastic X-ray scattering determination of the electronic structure of oxyhemoglobin and its model complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2854-2859	11.5	19
207	A microstructured p-Si photocathode outcompetes Pt as a counter electrode to hematite in photoelectrochemical water splitting. <i>Dalton Transactions</i> , 2019 , 48, 1166-1170	4.3	5
206	Evidence for syngenetic micro-inclusions of As ³⁺ - and As ⁵⁺ -containing Cu sulfides in hydrothermal pyrite. <i>American Mineralogist</i> , 2019 , 104, 300-306	2.9	4
205	Revealing the Chemical Form of Invisible Gold in Natural Arsenian Pyrite and Arsenopyrite with High Energy-Resolution X-ray Absorption Spectroscopy. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 1905-1914	3.2	17
204	Noncollinear Ordering of the Orbital Magnetic Moments in Magnetite. <i>Physical Review Letters</i> , 2019 , 123, 207201	7.4	8
203	Measurement of f orbital hybridization in rare earths through electric dipole-octupole interference in x-ray absorption spectroscopy. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
202	XAFS17 Highlights XAS and Related Techniques. <i>Synchrotron Radiation News</i> , 2019 , 32, 15-17	0.6	0
201	Unravelling the Different Reaction Pathways for Low Temperature CO Oxidation on Pt/CeO and Pt/AlO by Spatially Resolved Structure-Activity Correlations. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 7698-7705	6.4	26
200	Mercury(II) Binding to Metallothionein in <i>Mytilus edulis</i> revealed by High Energy-Resolution XANES Spectroscopy. <i>Chemistry - A European Journal</i> , 2019 , 25, 997-1009	4.8	18
199	Resonant Inelastic X-ray Scattering at the ESRF: An Evolving Portfolio for Hard and Soft X-rays. <i>Synchrotron Radiation News</i> , 2018 , 31, 26-30	0.6	4
198	Examination of the influence of La promotion on Ni state in hydrotalcite-derived catalysts under CO ₂ methanation reaction conditions: Operando X-ray absorption and emission spectroscopy investigation. <i>Applied Catalysis B: Environmental</i> , 2018 , 232, 409-419	21.8	58
197	Biogenesis of Mercury-Sulfur Nanoparticles in Plant Leaves from Atmospheric Gaseous Mercury. <i>Environmental Science & Technology</i> , 2018 , 52, 3935-3948	10.3	57
196	Small changes in Cu redox state and speciation generate large isotope fractionation during adsorption and incorporation of Cu by a phototrophic biofilm. <i>Geochimica Et Cosmochimica Acta</i> , 2018 , 220, 1-18	5.5	21

195	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. <i>Applied Surface Science</i> , 2018 , 427, 566-572	6.7	3
194	Improving the quality of XAFS data. <i>Journal of Synchrotron Radiation</i> , 2018 , 25, 972-980	2.4	18
193	Synergistic interplay of Zn and Rh-Cr promoters on GaO based photocatalysts for water splitting. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 23515-23521	3.6	3
192	Single Au Atom Doping of Silver Nanoclusters. <i>ACS Nano</i> , 2018 , 12, 12751-12760	16.7	48
191	Insights into the Synthesis Mechanism of Ag Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 28351-28361	3.8	16
190	The Nuclearity of the Active Site for Methane to Methanol Conversion in Cu-Mordenite: A Quantitative Assessment. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15270-15278	16.4	123
189	Photo-electrochemical hydrogen production from neutral phosphate buffer and seawater using micro-structured p-Si photo-electrodes functionalized by solution-based methods. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2215-2223	5.8	11
188	Chemical Forms of Mercury in Pyrite: Implications for Predicting Mercury Releases in Acid Mine Drainage Settings. <i>Environmental Science & Technology</i> , 2018 , 52, 10286-10296	10.3	27
187	High energy-resolution x-ray spectroscopy at ultra-high dilution with spherically bent crystal analyzers of 0.5 m radius. <i>Review of Scientific Instruments</i> , 2017 , 88, 013108	1.7	49
186	Influence of the nature and environment of manganese in Mn-BEA zeolites on NO conversion in selective catalytic reduction with ammonia. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13553-13561	3.6	6
185	Evidence of Mott physics in iron pnictides from x-ray spectroscopy. <i>Physical Review B</i> , 2017 , 96,	3.3	20
184	Oxidation and Luminescence Quenching of Europium in BaMgAl10O17 Blue Phosphors. <i>Chemistry of Materials</i> , 2017 , 29, 10122-10129	9.6	31
183	Long-range interactions in the effective low-energy Hamiltonian of Sr2IrO4: A core-to-core resonant inelastic x-ray scattering study. <i>Physical Review B</i> , 2017 , 95,	3.3	13
182	Intramolecular Hg π Interactions of d-character with non-bridging atoms in mercury-aryl complexes. <i>Dalton Transactions</i> , 2016 , 45, 14035-8	4.3	7
181	X-ray magnetic circular dichroism measured at the Fe K-edge with a reduced intrinsic broadening: x-ray absorption spectroscopy versus resonant inelastic x-ray scattering measurements. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 505202	1.8	2
180	High-resolution Mn K-edge x-ray emission and absorption spectroscopy study of the electronic and local structure of the three different phases in Nd0.5Sr0.5MnO3. <i>Physical Review B</i> , 2016 , 93,	3.3	20
179	Benchtop Nonresonant X-ray Emission Spectroscopy: Coming Soon to Laboratories and XAS Beamlines Near You?. <i>Journal of Physics: Conference Series</i> , 2016 , 712, 012036	0.3	21
178	Electronic properties of epitaxial cerium oxide films during controlled reduction and oxidation studied by resonant inelastic X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 20511-7	3.6	18

177	Observing Solvation Dynamics with Simultaneous Femtosecond X-ray Emission Spectroscopy and X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 1158-68	3.4	70
176	Spectroscopic properties of Cr^{3+} in the spinel solid solution $\text{ZnAl}_{2-x}\text{Cr}_x\text{O}_4$. <i>Physics and Chemistry of Minerals</i> , 2016 , 43, 33-42	1.6	14
175	Molybdenum Speciation and its Impact on Catalytic Activity during Methane Dehydroaromatization in Zeolite ZSM-5 as Revealed by Operando X-Ray Methods. <i>Angewandte Chemie</i> , 2016 , 128, 5301-5305	3.6	28
174	Element substitution by living organisms: the case of manganese in mollusc shell aragonite. <i>Scientific Reports</i> , 2016 , 6, 22514	4.9	29
173	Molybdenum Speciation and its Impact on Catalytic Activity during Methane Dehydroaromatization in Zeolite ZSM-5 as Revealed by Operando X-Ray Methods. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5215-9	16.4	103
172	Chemical Forms of Mercury in Human Hair Reveal Sources of Exposure. <i>Environmental Science & Technology</i> , 2016 , 50, 10721-10729	10.3	48
171	Hard X-Ray Photon-in/Photon-out Spectroscopy: Instrumentation, Theory and Applications 2016 , 125-153		7
170	XAS and XES Techniques Shed Light on the Dark Side of Ziegler-Natta Catalysts: Active-Site Generation. <i>ChemCatChem</i> , 2015 , 7, 1432-1437	5.2	23
169	Probing long-lived plasmonic-generated charges in TiO_2/Au by high-resolution X-ray absorption spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5413-6	16.4	59
168	Chemical state of phosphorus in amorphous NiFeP electroplates. <i>Surface and Coatings Technology</i> , 2015 , 275, 239-244	4.4	13
167	Detailed Characterization of a Nanosecond-Lived Excited State: X-ray and Theoretical Investigation of the Quintet State in Photoexcited $[\text{Fe}(\text{terpy})]$. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5888-5902	3.8	62
166	Spatial imaging of carbon reactivity centers in Pd/C catalytic systems. <i>Chemical Science</i> , 2015 , 6, 3302-3304	3.4	43
165	Structural snapshots of the SCR reaction mechanism on Cu-SSZ-13. <i>Chemical Communications</i> , 2015 , 51, 9227-30	5.8	91
164	Behavior of fission gases in nuclear fuel: XAS characterization of Kr in UO_2 . <i>Journal of Nuclear Materials</i> , 2015 , 466, 379-392	3.3	21
163	Formation of Mercury Sulfide from $\text{Hg}(\text{II})$ -Thiolate Complexes in Natural Organic Matter. <i>Environmental Science & Technology</i> , 2015 , 49, 9787-96	10.3	85
162	Probing Long-Lived Plasmonic-Generated Charges in TiO_2/Au by High-Resolution X-ray Absorption Spectroscopy. <i>Angewandte Chemie</i> , 2015 , 127, 5503-5506	3.6	17
161	Experimental evidence of Xe incorporation in Schottky defects in UO_2 . <i>Applied Physics Letters</i> , 2015 , 106, 114102	3.4	19
160	High-energy resolution X-ray absorption and emission spectroscopy reveals insight into unique selectivity of La-based nanoparticles for CO_2 . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15803-8	11.5	37

159	Structure, Bonding, and Stability of Mercury Complexes with Thiolate and Thioether Ligands from High-Resolution XANES Spectroscopy and First-Principles Calculations. <i>Inorganic Chemistry</i> , 2015 , 54, 11776-91	5.1	40
158	Resonant Inelastic X-ray Scattering of Molybdenum Oxides and Sulfides. <i>Journal of Physical Chemistry C</i> , 2015 , 150126100226006	3.8	16
157	Hard x-ray emission spectroscopy: a powerful tool for the characterization of magnetic semiconductors. <i>Semiconductor Science and Technology</i> , 2014 , 29, 023002	1.8	47
156	Accurate macromolecular structures using minimal measurements from X-ray free-electron lasers. <i>Nature Methods</i> , 2014 , 11, 545-8	21.6	118
155	Programmed iron oxide nanoparticles disintegration in anaerobic digesters boosts biogas production. <i>Small</i> , 2014 , 10, 2801-8, 2741	11	114
154	Crystal-field excitations in NiO under high pressure studied by resonant inelastic x-ray scattering. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 135501	1.8	1
153	Identification of a spin-coupled Mo(III) in the nitrogenase iron-molybdenum cofactor. <i>Chemical Science</i> , 2014 , 5, 3096-3103	9.4	131
152	X-ray spectroscopic study of solvent effects on the ferrous and ferric hexacyanide anions. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 9411-8	2.8	33
151	Architecture of the Ti(IV) Sites in TiAlPO-5 Determined Using Ti K-Edge X-ray Absorption and X-ray Emission Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 11745-11751	3.8	13
150	Site-selective high-resolution X-ray absorption spectroscopy and high-resolution X-ray emission spectroscopy of cobalt nanoparticles. <i>Inorganic Chemistry</i> , 2014 , 53, 8367-75	5.1	16
149	Direct evidence for an interdiffused intermediate layer in bi-magnetic core-shell nanoparticles. <i>Nanoscale</i> , 2014 , 6, 11911-20	7.7	39
148	Taking snapshots of photosynthetic water oxidation using femtosecond X-ray diffraction and spectroscopy. <i>Nature Communications</i> , 2014 , 5, 4371	17.4	184
147	Valence to core X-ray emission spectroscopy. <i>Advanced Materials</i> , 2014 , 26, 7730-46	24	72
146	Valence-to-core-detected X-ray absorption spectroscopy: targeting ligand selectivity. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10076-84	16.4	31
145	The role of Hartree-Fock exchange in the simulation of X-ray absorption spectra: A study of photoexcited. <i>Chemical Physics Letters</i> , 2013 , 580, 179-184	2.5	36
144	X-ray Absorption and Emission Spectroscopy 2013 , 89-171		5
143	Spin-polarized electronic structure of the core-shell ZnO/ZnO:Mn nanowires probed by X-ray absorption and emission spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 1629	3.7	10
142	Absence of Ce ³⁺ sites in chemically active colloidal ceria nanoparticles. <i>ACS Nano</i> , 2013 , 7, 10726-32	16.7	128

141	High-resolution molybdenum K-edge X-ray absorption spectroscopy analyzed with time-dependent density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20911-20	3.6	58
140	Spin-state studies with XES and RIXS: From static to ultrafast. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013 , 188, 166-171	1.7	74
139	High energy resolution core-level X-ray spectroscopy for electronic and structural characterization of osmium compounds. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 16152-9	3.6	32
138	Metal-ligand covalency of iron complexes from high-resolution resonant inelastic X-ray scattering. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17121-34	16.4	61
137	Chemical state of complex uranium oxides. <i>Physical Review Letters</i> , 2013 , 111, 253002	7.4	159
136	Preference towards five-coordination in Ti silicalite-1 upon molecular adsorption. <i>ChemPhysChem</i> , 2013 , 14, 79-83	3.2	47
135	Simultaneous femtosecond X-ray spectroscopy and diffraction of photosystem II at room temperature. <i>Science</i> , 2013 , 340, 491-5	33.3	334
134	Reflections on hard X-ray photon-in/photon-out spectroscopy for electronic structure studies. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013 , 188, 17-25	1.7	112
133	Structure induced Yb valence changes in the solid solution Yb(x)Ca(1-x)C2. <i>Inorganic Chemistry</i> , 2013 , 52, 7020-30	5.1	1
132	Toward Highlighting the Ultrafast Electron Transfer Dynamics at the Optically Dark Sites of Photocatalysts. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1972-6	6.4	46
131	Local surrounding of vanadium atoms in CuCr1/2VxS2: X-ray absorption spectroscopy analysis. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2013 , 114, 397-400	0.7	2
130	Silica-supported Ti chloride tetrahydrofuranates, precursors of Ziegler-Natta catalysts. <i>Dalton Transactions</i> , 2013 , 42, 12706-13	4.3	29
129	Electronic structural changes of Mn in the oxygen-evolving complex of photosystem II during the catalytic cycle. <i>Inorganic Chemistry</i> , 2013 , 52, 5642-4	5.1	53
128	dd excitations in CPO-27-Ni metal-organic framework: comparison between resonant inelastic X-ray scattering and UV-vis spectroscopy. <i>Inorganic Chemistry</i> , 2013 , 52, 5633-5	5.1	20
127	Thermal deformation of cryogenically cooled silicon crystals under intense X-ray beams: measurement and finite-element predictions of the surface shape. <i>Journal of Synchrotron Radiation</i> , 2013 , 20, 567-80	2.4	34
126	Hard x-ray absorption spectroscopy for pulsed sources. <i>Physical Review B</i> , 2013 , 87,	3.3	18
125	Real Space Green's Function Approach to Resonant Inelastic X-Ray Scattering and HERFD XAS. <i>Journal of Physics: Conference Series</i> , 2013 , 430, 012003	0.3	2
124	Thermal distortion minimization by geometry optimization for water-cooled white beam mirror or multilayer optics. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 052029	0.3	9

123	Direct Detection of Oxygen Ligands to the Mn ₄ Ca Complex in Photosystem II by X-ray Emission Spectroscopy. <i>Advanced Topics in Science and Technology in China</i> , 2013 , 231-233	0.2	
122	1s2p resonant inelastic x-ray scattering-magnetic circular dichroism: A sensitive probe of 3d magnetic moments using hard x-ray photons. <i>Journal of Applied Physics</i> , 2012 , 111, 07E301	2.5	12
121	Fifteenth International Conference on X-ray Absorption Fine Structure. <i>Synchrotron Radiation News</i> , 2012 , 25, 3-3	0.6	
120	Spectroscopic and adsorptive studies of a thermally robust pyrazolato-based PCP. <i>Dalton Transactions</i> , 2012 , 41, 4012-9	4.3	24
119	HERFD XAS/ATR-FTIR batch reactor cell. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 2164-70	3.6	26
118	Spectator and participator processes in the resonant photon-in and photon-out spectra at the Ce L3 edge of CeO ₂ . <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	28
117	Manipulating Mn-Mg cation complexes to control the charge- and spin-state of Mn in GaN. <i>Scientific Reports</i> , 2012 , 2, 722	4.9	31
116	A tool to plan photon-in/photon-out experiments: count rates, dips and self-absorption. <i>Journal of Synchrotron Radiation</i> , 2012 , 19, 911-9	2.4	18
115	Resonant X-ray emission spectroscopy reveals d-d ligand-field states involved in the self-assembly of a square-planar platinum complex. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15278-81	3.6	14
114	Intrinsic deviations in fluorescence yield detected x-ray absorption spectroscopy: the case of the transition metal L _{2,3} edges. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 452201	1.8	40
113	Single impurity Anderson model versus density functional theory for describing Ce L3 x-ray absorption spectra of CeFe ₂ : resolution of a recent controversy. <i>Physical Review Letters</i> , 2012 , 108, 036403	7.4	18
112	Amorphous materials: Properties, structure, and durability. <i>American Mineralogist</i> , 2012 , 97, 468-475	2.9	44
111	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, 9721-6	11.5	135
110	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. <i>Applied Catalysis B: Environmental</i> , 2012 , 113-114, 43-51	21.8	18
109	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, 19103-7	11.5	98
108	Nanoflow electrospinning serial femtosecond crystallography. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012 , 68, 1584-7		146
107	Real-space Green's function approach to resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2011 , 83,	3.3	30
106	Manganese K α X-ray emission spectroscopy as a probe of metal-ligand interactions. <i>Inorganic Chemistry</i> , 2011 , 50, 8397-409	5.1	105

105	Direct study of the f-electron configuration in lanthanide systems. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 1265	3.7	50
104	Investigation of the valence electronic states of Ti(IV) in Ti silicalite-1 coupling X-ray emission spectroscopy and density functional calculations. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 19409-19419	3.6	45
103	V oxidation state in Fe ^{III} oxides by high-energy resolution fluorescence-detected X-ray absorption spectroscopy. <i>Physics and Chemistry of Minerals</i> , 2011 , 38, 449-458	1.6	57
102	Yb valence states in YbC ₂ : a HERFD-XANES spectroscopic investigation. <i>Inorganic Chemistry</i> , 2011 , 50, 5587-95	5.1	10
101	A new method of directly determining the core-hole effect in the Ce L ₃ XAS of mixed valence Ce compounds: An application of resonant X-ray emission spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011 , 184, 210-215	1.7	36
100	Spin-orbit sensitive hard x-ray probe of the occupied and unoccupied 5d density of states. <i>Physical Review B</i> , 2011 , 84,	3.3	25
99	Five-element Johann-type x-ray emission spectrometer with a single-photon-counting pixel detector. <i>Review of Scientific Instruments</i> , 2011 , 82, 065107	1.7	83
98	Continuous Flow Cryostat for X-Ray Fluorescence 2010 ,		2
97	Electronic structure and local environment of substitutional V ³⁺ in grossular garnet Ca ₃ Al ₂ (SiO ₄) ₃ : K-edge X-ray absorption spectroscopy and first-principles modeling. <i>American Mineralogist</i> , 2010 , 95, 1161-1171	2.9	12
96	Hard x-ray probe to study doping-dependent electron redistribution and strong covalency in La _{1-x} Sr _{1+x} MnO ₄ . <i>Physical Review B</i> , 2010 , 82,	3.3	21
95	Strong K-edge magnetic circular dichroism observed in photon-in-photon-out spectroscopy. <i>Physical Review Letters</i> , 2010 , 105, 037202	7.4	34
94	Ligand identification in titanium complexes using X-ray valence-to-core emission spectroscopy. <i>Inorganic Chemistry</i> , 2010 , 49, 8323-32	5.1	45
93	Electronic structure changes in cobalt phthalocyanine due to nanotube encapsulation probed using resonant inelastic X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 9693-9	3.6	17
92	In situ characterization of the 5d density of states of Pt nanoparticles upon adsorption of CO. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2555-7	16.4	102
91	Sulfur-metal orbital hybridization in sulfur-bearing compounds studied by X-ray emission spectroscopy. <i>Inorganic Chemistry</i> , 2010 , 49, 6468-73	5.1	52
90	Mechanical aspects of the ID26 emission spectrometer II: improving stability for a large instrument by the use of multiple air pad supports. <i>Diamond Light Source Proceedings</i> , 2010 , 1,		1
89	Elucidation of the chemical state of phosphorus and boron in crystallographically amorphous nickel electroplates. <i>Russian Journal of Electrochemistry</i> , 2010 , 46, 1223-1229	1.2	8
88	A combined in situ time-resolved UV-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. <i>Journal of Catalysis</i> , 2010 , 276, 268-279	7.3	212

87	Direct Detection of Oxygen Ligation to the Mn ₄ Ca Cluster of Photosystem II by X-ray Emission Spectroscopy. <i>Angewandte Chemie</i> , 2010 , 122, 812-815	3.6	7
86	Picosecond Time-Resolved X-Ray Emission Spectroscopy: Ultrafast Spin-State Determination in an Iron Complex. <i>Angewandte Chemie</i> , 2010 , 122, 6046-6048	3.6	7
85	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, 800-3	16.4	74
84	Picosecond time-resolved X-ray emission spectroscopy: ultrafast spin-state determination in an iron complex. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5910-2	16.4	95
83	Chemical composition and structural transformations of amorphous chromium coatings electrodeposited from Cr(III) electrolytes. <i>Electrochimica Acta</i> , 2010 , 56, 145-153	6.7	53
82	Separation of two-electron photoexcited atomic processes near the inner-shell threshold. <i>Physical Review Letters</i> , 2009 , 102, 143001	7.4	29
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