

# Jean-Pascal Rueff

## 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.

161  
papers

4,487  
citations

36  
h-index

61  
g-index

176  
ext. papers

5,006  
ext. citations

5.6  
avg, IF

5.01  
L-index

#	Paper	IF	Citations
161	Observation of Si 2p Core-Level Shift in Si/High-Dielectric Interfaces Containing a Negative Charge. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2100034	6.4	2
160	Unified treatment of recoil and Doppler broadening in molecular high-energy photoemission. <i>New Journal of Physics</i> , <b>2021</b> , 23, 063077	2.9	3
159	Pressure evolution of the electronic structure of non-centrosymmetric EuRhGe <sub>3</sub> . <i>Electronic Structure</i> , <b>2021</b> , 3, 034002	2.6	0
158	Depth profile reconstruction of YCrO <sub>3</sub> /CaMnO <sub>3</sub> superlattices by near total reflection hard x-ray photoelectron spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2021</b> , 39, 053204	2.9	
157	Lithium Borates from the Glass to the Melt: A Temperature-Induced Structural Transformation Viewed from the Boron and Oxygen Atoms. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 798-806	5.1	3
156	Spectroscopy of buried states in black phosphorus with surface doping. <i>2D Materials</i> , <b>2020</b> , 7, 035027	5.9	2
155	Spectroscopies and Electron Microscopies Unravel the Origin of the First Colour Photographs. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9198-9204	3.6	
154	Kondo-Induced Giant Isotropic Negative Thermal Expansion. <i>Physical Review Letters</i> , <b>2020</b> , 124, 125701	7.4	4
153	Spectroscopies and Electron Microscopies Unravel the Origin of the First Colour Photographs. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9113-9119	16.4	1
152	A new method for assessing the recyclability of powders within Powder Bed Fusion process. <i>Materials Characterization</i> , <b>2020</b> , 161, 110167	3.9	30
151	Two-dimensional electron systems in perovskite oxide heterostructures: Role of the polarity-induced substitutional defects. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	5
150	Quantification of non-bridging oxygens in silicates using X-ray Raman scattering. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 528, 119715	3.9	3
149	Analysis of Al and Cu salt infiltration into a poly 2-vinylpyridine (P2vP) polymer layer for area selective deposition applications. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 115105	3	4
148	Ultrafast dynamics of hot carriers in a quasi-two-dimensional electron gas on InSe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 21962-21967	11.5	6
147	Hard x-ray standing-wave photoemission insights into the structure of an epitaxial Fe/MgO multilayer magnetic tunnel junction. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 075305	2.5	7
146	Charge-transfer effect in hard x-ray 1s and 2p photoemission spectra: LDA+DMFT and cluster-model analysis. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	7
145	Carbon speciation in organic fossils using 2D to 3D x-ray Raman multispectral imaging. <i>Science Advances</i> , <b>2019</b> , 5, eaaw5019	14.3	22

144	Reply to: Ultrafast evolution and transient phases of a prototype out-of-equilibrium Mott-Hubbard material. <i>Nature Communications</i> , <b>2019</b> , 10, 4035	17.4	1
143	Oxygen states in La- and Rh-doped Sr <sub>2</sub> IrO <sub>4</sub> probed by angle-resolved photoemission and O K-edge resonant inelastic x-ray scattering. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	5
142	Surface characterization of poly-2-vinylpyridine polymer for area selective deposition techniques. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2019</b> , 37, 050601	2.9	4
141	Hard x-ray photoelectron spectroscopy study of copper formation by metal salt inclusion in a polymer film. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 435301	3	7
140	Epsilon iron as a spin-smectic state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 20280-20285	11.5	6
139	Nouvelles spectroscopies Raman X du carbone pour les matériaux anciens <b>2019</b> , 22-25	0.1	1
138	Resistive switching in a LaMnO <sub>3</sub> + $\sqrt{5}$ TiN memory cell investigated by operando hard X-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 225302	2.5	4
137	Vanadium Doping Enhanced Electrochemical Performance of Molybdenum Oxide in Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1805227	15.6	43
136	Evidence for Collective Nonlinear Interactions in X Ray into Ultraviolet Parametric Down-Conversion. <i>Physical Review Letters</i> , <b>2019</b> , 122, 023902	7.4	8
135	Band Gap Renormalization, Carrier Multiplication, and Stark Broadening in Photoexcited Black Phosphorus. <i>Nano Letters</i> , <b>2019</b> , 19, 488-493	11.5	13
134	The GALAXIES inelastic hard X-ray scattering end-station at Synchrotron SOLEIL. <i>Journal of Synchrotron Radiation</i> , <b>2019</b> , 26, 263-271	2.4	16
133	Modified Oxygen Defect Chemistry at Transition Metal Oxide Heterostructures Probed by Hard X-ray Photoelectron Spectroscopy and X-ray Diffraction. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 3359-3371	9.6	37
132	Revisiting the origin of satellites in core-level photoemission of transparent conducting oxides: The case of n-doped SnO <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	24
131	Oxygen Impurities Link Bistability and Magnetoresistance in Organic Spin Valves. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 8132-8140	9.5	16
130	Interface chemical and electronic properties of LaAlO <sub>3</sub> /SrVO <sub>3</sub> heterostructures. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 055302	2.5	11
129	Electronic structure of the dilute magnetic semiconductor Ga <sub>1-x</sub> MnxP from hard x-ray photoelectron spectroscopy and angle-resolved photoemission. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	10
128	Emergent high-spin state above 7 GPa in superconducting FeSe. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	7
127	Bulk electronic structure of non-centrosymmetric EuTGe <sub>3</sub> (T=Co, Ni, Rh, Ir) studied by hard x-ray photoelectron spectroscopy. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	4

126	1s2p Resonant Inelastic X-ray Scattering Magnetic Circular Dichroism as a probe for the local and non-local orbitals in CrO <sub>2</sub> . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2018</b> , 222, 74-87	1.7	12
125	Intermediate valence in single crystalline Yb <sub>2</sub> Si <sub>2</sub> Al. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2
124	Characterization of free-standing InAs quantum membranes by standing wave hard x-ray photoemission spectroscopy. <i>APL Materials</i> , <b>2018</b> , 6, 058101	5.7	10
123	HAXPES for Materials Science at the GALAXIES Beamline. <i>Synchrotron Radiation News</i> , <b>2018</b> , 31, 4-9	0.6	8
122	The All-Seeing Eye of Resonant Auger Electron Spectroscopy: A Study on Aqueous Solution Using Tender X-rays. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 4457-4462	6.4	5
121	Characterization of Pd/Y multilayers with BC barrier layers using GIXR and X-ray standing wave enhanced HAXPES. <i>Journal of Synchrotron Radiation</i> , <b>2018</b> , 25, 1417-1424	2.4	5
120	Experimental setup for the study of resonant inelastic X-ray scattering of organometallic complexes in gas phase. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 063107	1.7	2
119	Local environment of arsenic in sulfide minerals: insights from high-resolution X-ray spectroscopies, and first-principles calculations at the As K-edge. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 2070-2082	3.7	12
118	Chemistry of resistivity changes in TiTe/AlO conductive-bridge memories. <i>Scientific Reports</i> , <b>2018</b> , 8, 17919	4.9	3
117	Interface properties and built-in potential profile of a LaCrO <sub>3</sub> /SrTiO <sub>3</sub> superlattice determined by standing-wave excited photoemission spectroscopy. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	17
116	Buried Interfaces Effects in Ionic Conductive LaF <sub>3</sub> /BaF <sub>2</sub> Multilayers. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1600875	4.6	3
115	Effective inelastic scattering cross-sections for background analysis in HAXPES of deeply buried layers. <i>Applied Surface Science</i> , <b>2017</b> , 402, 78-85	6.7	20
114	Ultrafast evolution and transient phases of a prototype out-of-equilibrium Mott-Hubbard material. <i>Nature Communications</i> , <b>2017</b> , 8, 13917	17.4	30
113	Role of Oxygen Deposition Pressure in the Formation of Ti Defect States in TiO(001) Anatase Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23099-23106	9.5	18
112	Study of Pd/Y based multilayers using high energy photoemission spectroscopy combined with x-ray standing waves <b>2017</b> ,		3
111	Far-Zone Resonant Energy Transfer in X-ray Photoemission as a Structure Determination Tool. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 2730-2734	6.4	2
110	Noninvasive Synchrotron-Based X-ray Raman Scattering Discriminates Carbonaceous Compounds in Ancient and Historical Materials. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10819-10826	7.8	19
109	Operando hard X-ray photoelectron spectroscopy study of the Pt/Ru/PbZr <sub>0.52</sub> Ti <sub>0.48</sub> O <sub>3</sub> interface. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 032906	3.4	11

108	Low-energy electronic excitations and band-gap renormalization in CuO. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	6
107	Lithium borate crystals and glasses: How similar are they? A non-resonant inelastic X-ray scattering study around the B and O K -edges. <i>Journal of Non-Crystalline Solids</i> , <b>2017</b> , 472, 1-8	3.9	21
106	Structure and evolution of semiconducting buffer graphene grown on SiC(0001). <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	19
105	Ultrafast Charge Transfer Processes Accompanying KLL Auger Decay in Aqueous KCl Solution. <i>Physical Review Letters</i> , <b>2017</b> , 119, 263003	7.4	7
104	Electronic transitions of iron in almandine-composition glass to 91 GPa. <i>American Mineralogist</i> , <b>2016</b> , 101, 1659-1667	2.9	7
103	Magnetovolume effect, macroscopic hysteresis, and moment collapse in the paramagnetic state of cubic MnGe under pressure. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	16
102	Hybridization-controlled charge transfer and induced magnetism at correlated oxide interfaces. <i>Nature Physics</i> , <b>2016</b> , 12, 484-492	16.2	97
101	Electronic state-lifetime interference in resonant Auger spectra: a tool to disentangle overlapping core-excited states. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 15133-42	3.6	17
100	1s3p Resonant Inelastic X-ray Scattering of Cobalt Oxides and Sulfides. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 24063-24069	3.8	17
99	High Pressure XAS, XMCD and IXS <b>2016</b> , 385-405		4
98	RIXS in correlated electron systems under extreme conditions. <i>High Pressure Research</i> , <b>2016</b> , 36, 371-380	1.6	1
97	Direct observation of double-core-hole shake-up States in photoemission. <i>Physical Review Letters</i> , <b>2015</b> , 114, 093001	7.4	34
96	Auger resonant-Raman study at the Ar K edge as probe of electronic-state-lifetime interferences. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	16
95	The GALAXIES beamline at the SOLEIL synchrotron: inelastic X-ray scattering and photoelectron spectroscopy in the hard X-ray range. <i>Journal of Synchrotron Radiation</i> , <b>2015</b> , 22, 175-9	2.4	109
94	Depth profiling charge accumulation from a ferroelectric into a doped Mott insulator. <i>Nano Letters</i> , <b>2015</b> , 15, 2533-41	11.5	34
93	Electronic Properties of BaFe <sub>2</sub> As <sub>2</sub> upon Doping and Pressure: The Prominent Role of the As p Orbitals. <i>Physical Review Letters</i> , <b>2015</b> , 114, 177001	7.4	15
92	Composition dependence of spin transition in (Mg,Fe)SiO <sub>3</sub> bridgmanite. <i>American Mineralogist</i> , <b>2015</b> , 100, 2246-2253	2.9	12
91	Double core-hole states in SiX <sub>4</sub> (X = F, Cl, Br, and CH <sub>3</sub> ) molecules derived by photoelectron and KLL Auger spectroscopy. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 112057	0.3	

90	Metal-Insulator Transition in ALD VO <sub>2</sub> Ultrathin Films and Nanoparticles: Morphological Control. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 679-686	15.6	60
89	CeRu <sub>4</sub> Sn <sub>6</sub> : a strongly correlated material with nontrivial topology. <i>Scientific Reports</i> , <b>2015</b> , 5, 17937	4.9	26
88	Auger resonant-Raman decay after Xe L-edge photoexcitation. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	10
87	Possible evidence for high-pressure induced charge transfer in thallium rhenium oxide at room temperature. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	4
86	Absence of orbital rotation in superconducting CeCu <sub>2</sub> Ge <sub>2</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	21
85	Observation of Distinct Bulk and Surface Chemical Environments in a Topological Insulator under Magnetic Doping. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 12333-12339	3.8	27
84	Detecting non-bridging oxygens: non-resonant inelastic X-ray scattering in crystalline lithium borates. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 10903-8	5.1	21
83	Atomic Auger Doppler effects upon emission of fast photoelectrons. <i>Nature Communications</i> , <b>2014</b> , 5, 4069	17.4	40
82	High-Energy X-ray Photoemission and Structural Study of Ultrapure LaF <sub>3</sub> Superionic Conductor Thin Films on Si. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 10122-10130	3.8	5
81	Understanding the electronic structure of IrO <sub>2</sub> using hard-X-ray photoelectron spectroscopy and density-functional theory. <i>Physical Review Letters</i> , <b>2014</b> , 112, 117601	7.4	80
80	Core-hole-clock spectroscopies in the tender x-ray domain. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2014</b> , 47, 124031	1.3	26
79	(p,T,H) Phase Diagram of Heavy Fermion Systems: Some Systematics and Some Surprises from Ytterbium. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2013</b> , 26, 1775-1780	1.5	3
78	Hard X-ray photoelectron spectroscopy on the GALAXIES beamline at the SOLEIL synchrotron. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2013</b> , 190, 188-192	1.7	79
77	A RIXS cookbook: Five recipes for successful RIXS applications. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2013</b> , 188, 10-16	1.7	11
76	Unified understanding of the valence transition in the rare-earth monochalcogenides under pressure. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	32
75	Spin-Transitions in Metal Oxides <b>2013</b> , 527-541		1
74	New Design Concept for a High-Resolution In-Vacuum 4-Bounce Hard X-Ray Monochromator at the GALAXIES Beamline at the SOLEIL Synchrotron. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 425, 052007	0.3	4
73	Comparison between measured and simulated X-ray flux from different undulators at SOLEIL. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 425, 032015	0.3	1

72	Low-energy excitations in strongly correlated materials: A theoretical and experimental study of the dynamic structure factor in V <sub>2</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	11
71	K-edge x-ray absorption spectra in transition-metal oxides beyond the single-particle approximation: Shake-up many-body effects. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	27
70	Actinide Response under Pressure Probed by Inelastic X-ray Scattering. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1444, 251		
69	Atomic and itinerant effects at the transition-metal x-ray absorption K pre-edge exemplified in the case of V <sub>2</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	11
68	Valence instability of YbCu <sub>2</sub> Si <sub>2</sub> through its magnetic quantum critical point. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	22
67	Stability of the Fe electronic structure through temperature-, doping-, and pressure-induced transitions in the BaFe <sub>2</sub> As <sub>2</sub> superconductors. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	4
66	Iron under pressure: "Kohn tweezers" and remnant magnetism. <i>Physical Review Letters</i> , <b>2011</b> , 106, 247201	7.4	37
65	Evolution of the electronic structure of a Mott system across its phase diagram: X-ray absorption spectroscopy study of (V <sub>1-x</sub> Cr <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	18
64	Understanding the complex phase diagram of uranium: the role of electron-phonon coupling. <i>Physical Review Letters</i> , <b>2011</b> , 107, 136401	7.4	36
63	Pressure-induced valence crossover in superconducting CeCu <sub>2</sub> Si <sub>2</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 106, 186405	7.4	66
62	Resonant x-ray emission spectroscopy at the L <sub>3</sub> edge of americium up to 23 GPa. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	22
61	Multiple pre-edge structures in Cu K-edge x-ray absorption spectra of high-T <sub>c</sub> cuprates revealed by high-resolution x-ray absorption spectroscopy. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	2
60	An Introduction to Inelastic X-Ray Scattering. <i>Springer Proceedings in Physics</i> , <b>2010</b> , 263-277	0.2	1
59	A microscopic view on the Mott transition in chromium-doped V(2)O(3). <i>Nature Communications</i> , <b>2010</b> , 1, 105	17.4	101
58	Inelastic x-ray scattering by electronic excitations under high pressure. <i>Reviews of Modern Physics</i> , <b>2010</b> , 82, 847-896	40.5	133
57	Inequivalent routes across the Mott transition in V <sub>2</sub> O <sub>3</sub> explored by X-ray absorption. <i>Physical Review Letters</i> , <b>2010</b> , 104, 047401	7.4	59
56	Sodium ion and cobalt charge ordering in Na <sub>x</sub> CoO <sub>2</sub> (x~56). <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	7
55	Quasiparticles at the Mott transition in V <sub>2</sub> O <sub>3</sub> : wave vector dependence and surface attenuation. <i>Physical Review Letters</i> , <b>2009</b> , 102, 066805	7.4	50

54	High pressure electronic properties in the light of inelastic X-ray scattering. <i>European Physical Journal: Special Topics</i> , <b>2009</b> , 169, 215-220	2.3	2
53	Electronic correlations in V <sub>2</sub> O <sub>3</sub> studied with K-edge X-ray absorption spectroscopy. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 190, 012092	0.3	1
52	Dynamical reconstruction of the exciton in LiF with inelastic x-ray scattering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 12159-63	11.5	39
51	Charge transfer at the metal-insulator transition in V <sub>2</sub> O <sub>3</sub> thin films by resonant inelastic x-ray scattering. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	16
50	Short-range magnetic collapse of Fe under high pressure at high temperatures observed using x-ray emission spectroscopy. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	12
49	Pressure-induced valence anomaly in TmTe probed by resonant inelastic X-ray scattering. <i>Physical Review Letters</i> , <b>2008</b> , 101, 127401	7.4	18
48	Spin-state-driven metal-insulator transition in (La,Sr)CoO <sub>3</sub> under high-pressure. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	38
47	Pressure induced magnetic transition in siderite FeCO <sub>3</sub> studied by x-ray emission spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 386206	1.8	47
46	Large Solid Angle Spectrometer for Inelastic X-ray Scattering. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	4
45	Pressure-induced f-electron delocalization in the U-based strongly correlated compounds UPd <sub>3</sub> and UPd <sub>2</sub> Al <sub>3</sub> : Resonant inelastic x-ray scattering and first-principles calculations. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	24
44	Metal-ligand interplay in strongly correlated oxides: a parametrized phase diagram for pressure-induced spin transitions. <i>Physical Review Letters</i> , <b>2007</b> , 98, 196404	7.4	34
43	Localized and delocalized excitons: resonant inelastic x-ray scattering in La(2-x)Sr(x)NiO <sub>4</sub> and La(2-x)Sr(x)CuO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2006</b> , 96, 157004	7.4	52
42	Probing the transition in bulk Ce under pressure: a direct investigation by resonant inelastic X-ray scattering. <i>Physical Review Letters</i> , <b>2006</b> , 96, 237403	7.4	75
41	Understanding mixed valent materials: Effects of dynamical core-hole screening in high-pressure x-ray spectroscopy. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	14
40	Hard x-ray spectroscopy in Na <sub>x</sub> CoO <sub>2</sub> and superconducting Na <sub>x</sub> CoO <sub>2</sub> ·yH <sub>2</sub> O: Bulk Co electronic properties. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	7
39	Phonon softening in Na <sub>x</sub> CoO <sub>2</sub> ·yH <sub>2</sub> O: Implications for the Fermi surface topology and the superconducting state. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	19
38	Magnetism under Pressure with Synchrotron Radiation. <i>Lecture Notes in Physics</i> , <b>2006</b> , 375-399	0.8	5
37	Low-energy excitations in Na <sub>x</sub> CoO <sub>2</sub> ·yH <sub>2</sub> O: Experiments and simulation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2006</b> , 246, 165-169	1.2	1



36	f-Level occupancy in TmTe under pressure investigated by high-resolution X-ray absorption spectroscopy. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 378-380, 1154-1155	2.8	2
35	Temperature- and pressure-induced spin-state transitions in LaCoO <sub>3</sub> . <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	148
34	Electronic properties of transition-metal oxides under high pressure revealed by x-ray emission spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, S717-S726	1.8	43
33	Intermediate valence behaviour under pressure: how precisely can we probe it by means of resonant inelastic x-ray emission?. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, S849-S858	1.8	9
32	Valence state of Tm in TmX (X=S,Se,Te) investigated by resonant inelastic x-ray scattering. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	28
31	f-State occupancy at the gamma-alpha phase transition of Ce-Th and Ce-Sc alloys. <i>Physical Review Letters</i> , <b>2004</b> , 93, 067402	7.4	45
30	Valence of YbS under pressure: A resonant inelastic x-ray emission study. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	16
29	Electronic transitions in perovskite: possible nonconvecting layers in the lower mantle. <i>Science</i> , <b>2004</b> , 305, 383-6	33.3	325
28	Valence changes in YbAl <sub>2</sub> under pressure: a resonant inelastic X-ray emission study. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2004</b> , 137-140, 651-655	1.7	7
27	Resonant X-ray emission spectroscopy applied to a mixed-valent system. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2004</b> , 136, 179-183	1.7	7
26	Fe K pre-edges as revealed by resonant x-ray emission. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	54
25	X-ray emission spectroscopy study of the Verwey transition in Fe <sub>3</sub> O <sub>4</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 2017-2022	1.8	5
24	Iron partitioning in Earth's mantle: toward a deep lower mantle discontinuity. <i>Science</i> , <b>2003</b> , 300, 789-91	33.3	422
23	Determination of pressure-induced valence changes in YbAl <sub>2</sub> by resonant inelastic x-ray emission. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	52
22	Charge transfer at very high pressure in NiO. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	36
21	Configuration interaction in L <sub>2,3</sub> -edge resonant inelastic x-ray scattering spectra of CaF <sub>2</sub> and ScAl <sub>2</sub> . <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	2
20	New spectroscopy solves an old puzzle: the Kondo scale in heavy fermions. <i>Physical Review Letters</i> , <b>2002</b> , 88, 196403	7.4	100
19	Resonant inelastic x-ray scattering at the lanthanum L <sub>3</sub> edge. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	29

18	Phonon anomalies at the valence transition of SmS: An inelastic x-ray-scattering study under pressure. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	22
17	X-ray Raman scattering from the carbon K edge in polymerized C60: experiment and theory. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, 11635-11641	1.8	12
16	Momentum dependence of fluorine K-edge core exciton in LiF. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	53
15	Magnetic Transitions in Fe 3 Pt Invar Alloy Under High Pressure and Temperature Studied by Inelastic X-ray Scattering. <i>High Pressure Research</i> , <b>2002</b> , 22, 53-56	1.6	5
14	Plasmon dispersion in metallic lithiumammonia solutions. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2001</b> , 120, 113-119	1.7	10
13	Anomalous lattice properties of the heavy fermion compound CeRu2Si2: an X-ray scattering investigation. <i>Solid State Communications</i> , <b>2001</b> , 118, 473-477	1.6	10
12	Phonon dispersion curves in an argon single crystal at high pressure by inelastic x-ray scattering. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	44
11	Magnetism of Invar alloys under pressure examined by inelastic x-ray scattering. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	57
10	Valence measurement of Mn oxides using Mn K emission spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , <b>2000</b> , 61, 457-460	3.9	10
9	Magnetic and structural phase transition in Fe monitored by x-ray emission spectroscopy. <i>Physical Review B</i> , <b>1999</b> , 60, 14510-14512	3.3	73
8	Valence state of Mn in Ca-doped LaMnO3 studied by high-resolution Mn K emission spectroscopy. <i>Physical Review B</i> , <b>1999</b> , 60, 4665-4674	3.3	68
7	Magnetism in FeO at Megabar Pressures from X-Ray Emission Spectroscopy. <i>Physical Review Letters</i> , <b>1999</b> , 83, 4101-4104	7.4	157
6	Pressure-Induced High-Spin to Low-Spin Transition in FeS Evidenced by X-Ray Emission Spectroscopy. <i>Physical Review Letters</i> , <b>1999</b> , 82, 3284-3287	7.4	160
5	Rare-earth contributions to the x-ray magnetic circular dichroism at the Co K edge in rare-earthcobalt compounds investigated by multiple-scattering calculations. <i>Physical Review B</i> , <b>1998</b> , 58, 12271-12281	3.3	29
4	X-ray magnetic circular dichroism at the Gd L edges in Gd-Ni-Co amorphous systems. <i>Physical Review B</i> , <b>1997</b> , 55, 3063-3070	3.3	7
3	Magnetic phase diagram of an amorphous ErBe alloy studied by X-ray magnetic circular dichroism. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1997</b> , 86, 165-173	1.7	11
2	Temperature and field-induced magnetization flips in amorphous ErBe alloys evidenced by x-ray magnetic circular dichroism. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 6497	2.5	11
1	Effects of spin-dependent spectral weight on magnetic circular x-ray dichroism: Applications to R(NixCo1-x)5 intermetallic compounds. <i>Physical Review B</i> , <b>1995</b> , 51, 15957-15963	3.3	11

