

Jean-Pascal Rueff

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161
papers

4,487
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176
ext. papers

5,006
ext. citations

5.6
avg, IF

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L-index

#	Paper	IF	Citations
161	Iron partitioning in Earth's mantle: toward a deep lower mantle discontinuity. <i>Science</i> , 2003 , 300, 789-91	33.3	422
160	Electronic transitions in perovskite: possible nonconvecting layers in the lower mantle. <i>Science</i> , 2004 , 305, 383-6	33.3	325
159	Pressure-Induced High-Spin to Low-Spin Transition in FeS Evidenced by X-Ray Emission Spectroscopy. <i>Physical Review Letters</i> , 1999 , 82, 3284-3287	7.4	160
158	Magnetism in FeO at Megabar Pressures from X-Ray Emission Spectroscopy. <i>Physical Review Letters</i> , 1999 , 83, 4101-4104	7.4	157
157	Temperature- and pressure-induced spin-state transitions in LaCoO ₃ . <i>Physical Review B</i> , 2006 , 73,	3.3	148
156	Inelastic x-ray scattering by electronic excitations under high pressure. <i>Reviews of Modern Physics</i> , 2010 , 82, 847-896	40.5	133
155	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> , 2015 , 22, 175-9	2.4	109
154	A microscopic view on the Mott transition in chromium-doped V(2)O(3). <i>Nature Communications</i> , 2010 , 1, 105	17.4	101
153	New spectroscopy solves an old puzzle: the Kondo scale in heavy fermions. <i>Physical Review Letters</i> , 2002 , 88, 196403	7.4	100
152	Hybridization-controlled charge transfer and induced magnetism at correlated oxide interfaces. <i>Nature Physics</i> , 2016 , 12, 484-492	16.2	97
151	Understanding the electronic structure of IrO ₂ using hard-X-ray photoelectron spectroscopy and density-functional theory. <i>Physical Review Letters</i> , 2014 , 112, 117601	7.4	80
150	Hard X-ray photoelectron spectroscopy on the GALAXIES beamline at the SOLEIL synchrotron. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013 , 190, 188-192	1.7	79
149	Probing the transition in bulk Ce under pressure: a direct investigation by resonant inelastic X-ray scattering. <i>Physical Review Letters</i> , 2006 , 96, 237403	7.4	75
148	Magnetic and structural phase transition in Fe monitored by x-ray emission spectroscopy. <i>Physical Review B</i> , 1999 , 60, 14510-14512	3.3	73
147	Valence state of Mn in Ca-doped LaMnO ₃ studied by high-resolution Mn K α emission spectroscopy. <i>Physical Review B</i> , 1999 , 60, 4665-4674	3.3	68
146	Pressure-induced valence crossover in superconducting CeCu ₂ Si ₂ . <i>Physical Review Letters</i> , 2011 , 106, 186405	7.4	66
145	Metal-Insulator Transition in ALD VO ₂ Ultrathin Films and Nanoparticles: Morphological Control. <i>Advanced Functional Materials</i> , 2015 , 25, 679-686	15.6	60

144	Inequivalent routes across the Mott transition in V2O3 explored by X-ray absorption. <i>Physical Review Letters</i> , 2010 , 104, 047401	7.4	59
143	Magnetism of Invar alloys under pressure examined by inelastic x-ray scattering. <i>Physical Review B</i> , 2001 , 63,	3.3	57
142	Fe K pre-edges as revealed by resonant x-ray emission. <i>Physical Review B</i> , 2004 , 69,	3.3	54
141	Momentum dependence of fluorine K-edge core exciton in LiF. <i>Physical Review B</i> , 2002 , 65,	3.3	53
140	Localized and delocalized excitons: resonant inelastic x-ray scattering in La(2-x)Sr(x)NiO4 and La(2-x)Sr(x)CuO4. <i>Physical Review Letters</i> , 2006 , 96, 157004	7.4	52
139	Determination of pressure-induced valence changes in YbAl2 by resonant inelastic x-ray emission. <i>Physical Review B</i> , 2003 , 68,	3.3	52
138	Quasiparticles at the Mott transition in V2O3: wave vector dependence and surface attenuation. <i>Physical Review Letters</i> , 2009 , 102, 066805	7.4	50
137	Pressure induced magnetic transition in siderite FeCO3 studied by x-ray emission spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 386206	1.8	47
136	f-State occupancy at the gamma-alpha phase transition of Ce-Th and Ce-Sc alloys. <i>Physical Review Letters</i> , 2004 , 93, 067402	7.4	45
135	Phonon dispersion curves in an argon single crystal at high pressure by inelastic x-ray scattering. <i>Physical Review B</i> , 2001 , 63,	3.3	44
134	Electronic properties of transition-metal oxides under high pressure revealed by x-ray emission spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, S717-S726	1.8	43
133	Vanadium Doping Enhanced Electrochemical Performance of Molybdenum Oxide in Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1805227	15.6	43
132	Atomic Auger Doppler effects upon emission of fast photoelectrons. <i>Nature Communications</i> , 2014 , 5, 4069	17.4	40
131	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> , 2008 , 105, 12159-63	11.5	39
130	Spin-state-driven metal-insulator transition in (La,Sr)CoO3 under high-pressure. <i>Physical Review B</i> , 2007 , 75,	3.3	38
129	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> , 2018 , 30, 3359-3371	9.6	37
128	Iron under pressure: "Kohn tweezers" and remnant magnetism. <i>Physical Review Letters</i> , 2011 , 106, 247201	7.4	37
127	Understanding the complex phase diagram of uranium: the role of electron-phonon coupling. <i>Physical Review Letters</i> , 2011 , 107, 136401	7.4	36

126	Charge transfer at very high pressure in NiO. <i>Physical Review B</i> , 2003 , 67,	3.3	36
125	Direct observation of double-core-hole shake-up States in photoemission. <i>Physical Review Letters</i> , 2015 , 114, 093001	7.4	34
124	Depth profiling charge accumulation from a ferroelectric into a doped Mott insulator. <i>Nano Letters</i> , 2015 , 15, 2533-41	11.5	34
123	Metal-ligand interplay in strongly correlated oxides: a parametrized phase diagram for pressure-induced spin transitions. <i>Physical Review Letters</i> , 2007 , 98, 196404	7.4	34
122	Unified understanding of the valence transition in the rare-earth monochalcogenides under pressure. <i>Physical Review B</i> , 2013 , 87,	3.3	32
121	Ultrafast evolution and transient phases of a prototype out-of-equilibrium Mott-Hubbard material. <i>Nature Communications</i> , 2017 , 8, 13917	17.4	30
120	A new method for assessing the recyclability of powders within Powder Bed Fusion process. <i>Materials Characterization</i> , 2020 , 161, 110167	3.9	30
119	Resonant inelastic x-ray scattering at the lanthanum L3 edge. <i>Physical Review B</i> , 2002 , 66,	3.3	29
118	Rare-earth contributions to the x-ray magnetic circular dichroism at the Co K edge in rare-earth cobalt compounds investigated by multiple-scattering calculations. <i>Physical Review B</i> , 1998 , 58, 12271-12281	3.3	29
117	Valence state of Tm in TmX (X=S,Se,Te) investigated by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2005 , 72,	3.3	28
116	Observation of Distinct Bulk and Surface Chemical Environments in a Topological Insulator under Magnetic Doping. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12333-12339	3.8	27
115	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> , 2012 , 86,	3.3	27
114	CeRu ₄ Sn ₆ : a strongly correlated material with nontrivial topology. <i>Scientific Reports</i> , 2015 , 5, 17937	4.9	26
113	Core-hole-clock spectroscopies in the tender x-ray domain. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 124031	1.3	26
112	Revisiting the origin of satellites in core-level photoemission of transparent conducting oxides: The case of n-doped SnO ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	24
111	Pressure-induced f-electron delocalization in the U-based strongly correlated compounds UPd ₃ and UPd ₂ Al ₃ : Resonant inelastic x-ray scattering and first-principles calculations. <i>Physical Review B</i> , 2007 , 76,	3.3	24
110	Carbon speciation in organic fossils using 2D to 3D x-ray Raman multispectral imaging. <i>Science Advances</i> , 2019 , 5, eaaw5019	14.3	22
109	Resonant x-ray emission spectroscopy at the L3 edge of americium up to 23 GPa. <i>Physical Review B</i> , 2010 , 82,	3.3	22

108	Valence instability of YbCu ₂ Si ₂ through its magnetic quantum critical point. <i>Physical Review B</i> , 2012 , 86,	3.3	22
107	Phonon anomalies at the valence transition of SmS: An inelastic x-ray-scattering study under pressure. <i>Physical Review B</i> , 2002 , 66,	3.3	22
106	Detecting non-bridging oxygens: non-resonant inelastic X-ray scattering in crystalline lithium borates. <i>Inorganic Chemistry</i> , 2014 , 53, 10903-8	5.1	21
105	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> , 2017 , 472, 1-8	3.9	21
104	Absence of orbital rotation in superconducting CeCu ₂ Ge ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	21
103	Effective inelastic scattering cross-sections for background analysis in HAXPES of deeply buried layers. <i>Applied Surface Science</i> , 2017 , 402, 78-85	6.7	20
102	Noninvasive Synchrotron-Based X-ray Raman Scattering Discriminates Carbonaceous Compounds in Ancient and Historical Materials. <i>Analytical Chemistry</i> , 2017 , 89, 10819-10826	7.8	19
101	Structure and evolution of semiconducting buffer graphene grown on SiC(0001). <i>Physical Review B</i> , 2017 , 96,	3.3	19
100	Phonon softening in Na _x CoO ₂ yH ₂ O: Implications for the Fermi surface topology and the superconducting state. <i>Physical Review B</i> , 2006 , 74,	3.3	19
99	Role of Oxygen Deposition Pressure in the Formation of Ti Defect States in TiO(001) Anatase Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23099-23106	9.5	18
98	Evolution of the electronic structure of a Mott system across its phase diagram: X-ray absorption spectroscopy study of (V _{1-x} Cr _x) ₂ O ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	18
97	Pressure-induced valence anomaly in TmTe probed by resonant inelastic X-ray scattering. <i>Physical Review Letters</i> , 2008 , 101, 127401	7.4	18
96	Electronic state-lifetime interference in resonant Auger spectra: a tool to disentangle overlapping core-excited states. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 15133-42	3.6	17
95	1s3p Resonant Inelastic X-ray Scattering of Cobalt Oxides and Sulfides. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 24063-24069	3.8	17
94	Interface properties and built-in potential profile of a LaCrO ₃ /SrTiO ₃ superlattice determined by standing-wave excited photoemission spectroscopy. <i>Physical Review B</i> , 2018 , 98,	3.3	17
93	Auger resonant-Raman study at the Ar K edge as probe of electronic-state-lifetime interferences. <i>Physical Review A</i> , 2015 , 91,	2.6	16
92	Oxygen Impurities Link Bistability and Magnetoresistance in Organic Spin Valves. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8132-8140	9.5	16
91	Magnetovolume effect, macroscopic hysteresis, and moment collapse in the paramagnetic state of cubic MnGe under pressure. <i>Physical Review B</i> , 2016 , 93,	3.3	16

90	Charge transfer at the metal-insulator transition in V ₂ O ₃ thin films by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2008 , 77,	3.3	16
89	Valence of YbS under pressure: A resonant inelastic x-ray emission study. <i>Physical Review B</i> , 2004 , 70,	3.3	16
88	The GALAXIES inelastic hard X-ray scattering end-station at Synchrotron SOLEIL. <i>Journal of Synchrotron Radiation</i> , 2019 , 26, 263-271	2.4	16
87	Electronic Properties of BaFe ₂ As ₂ upon Doping and Pressure: The Prominent Role of the As p Orbitals. <i>Physical Review Letters</i> , 2015 , 114, 177001	7.4	15
86	Understanding mixed valent materials: Effects of dynamical core-hole screening in high-pressure x-ray spectroscopy. <i>Physical Review B</i> , 2006 , 74,	3.3	14
85	Band Gap Renormalization, Carrier Multiplication, and Stark Broadening in Photoexcited Black Phosphorus. <i>Nano Letters</i> , 2019 , 19, 488-493	11.5	13
84	Composition dependence of spin transition in (Mg,Fe)SiO ₃ bridgmanite. <i>American Mineralogist</i> , 2015 , 100, 2246-2253	2.9	12
83	1s2p Resonant Inelastic X-ray Scattering Magnetic Circular Dichroism as a probe for the local and non-local orbitals in CrO ₂ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2018 , 222, 74-87	1.7	12
82	Short-range magnetic collapse of Fe under high pressure at high temperatures observed using x-ray emission spectroscopy. <i>Physical Review B</i> , 2008 , 78,	3.3	12
81	X-ray Raman scattering from the carbon K edge in polymerized C ₆₀ : experiment and theory. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 11635-11641	1.8	12
80	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> , 2018 , 33, 2070-2082	3.7	12
79	Interface chemical and electronic properties of LaAlO ₃ /SrVO ₃ heterostructures. <i>Journal of Applied Physics</i> , 2018 , 123, 055302	2.5	11
78	A RIXS cookbook: Five recipes for successful RIXS applications. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013 , 188, 10-16	1.7	11
77	Operando hard X-ray photoelectron spectroscopy study of the Pt/Ru/PbZr _{0.52} Ti _{0.48} O ₃ interface. <i>Applied Physics Letters</i> , 2017 , 111, 032906	3.4	11
76	Low-energy excitations in strongly correlated materials: A theoretical and experimental study of the dynamic structure factor in V ₂ O ₃ . <i>Physical Review B</i> , 2012 , 86,	3.3	11
75	Atomic and itinerant effects at the transition-metal x-ray absorption K pre-edge exemplified in the case of V ₂ O ₃ . <i>Physical Review B</i> , 2012 , 85,	3.3	11
74	Magnetic phase diagram of an amorphous ErBe alloy studied by X-ray magnetic circular dichroism. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1997 , 86, 165-173	1.7	11
73	Effects of spin-dependent spectral weight on magnetic circular x-ray dichroism: Applications to R(Ni _x Co _{1-x}) ₅ intermetallic compounds. <i>Physical Review B</i> , 1995 , 51, 15957-15963	3.3	11

72	Temperature and field-induced magnetization flips in amorphous ErBe alloys evidenced by x-ray magnetic circular dichroism. <i>Journal of Applied Physics</i> , 1996 , 79, 6497	2.5	11
71	Electronic structure of the dilute magnetic semiconductor Ga _{1-x} MnxP from hard x-ray photoelectron spectroscopy and angle-resolved photoemission. <i>Physical Review B</i> , 2018 , 97,	3.3	10
70	Characterization of free-standing InAs quantum membranes by standing wave hard x-ray photoemission spectroscopy. <i>APL Materials</i> , 2018 , 6, 058101	5.7	10
69	Auger resonant-Raman decay after Xe L-edge photoexcitation. <i>Physical Review A</i> , 2015 , 92,	2.6	10
68	Plasmon dispersion in metallic lithium-ammonia solutions. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001 , 120, 113-119	1.7	10
67	Anomalous lattice properties of the heavy fermion compound CeRu ₂ Si ₂ : an X-ray scattering investigation. <i>Solid State Communications</i> , 2001 , 118, 473-477	1.6	10
66	Valence measurement of Mn oxides using Mn K α emission spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 2000 , 61, 457-460	3.9	10
65	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> , 2005 , 17, S849-S858	1.8	9
64	HAXPES for Materials Science at the GALAXIES Beamline. <i>Synchrotron Radiation News</i> , 2018 , 31, 4-9	0.6	8
63	Evidence for Collective Nonlinear Interactions in X Ray into Ultraviolet Parametric Down-Conversion. <i>Physical Review Letters</i> , 2019 , 122, 023902	7.4	8
62	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> , 2019 , 126, 075305	2.5	7
61	Charge-transfer effect in hard x-ray 1s and 2p photoemission spectra: LDA+DMFT and cluster-model analysis. <i>Physical Review B</i> , 2019 , 100,	3.3	7
60	Emergent high-spin state above 7 GPa in superconducting FeSe. <i>Physical Review B</i> , 2018 , 97,	3.3	7
59	Electronic transitions of iron in almandine-composition glass to 91 GPa. <i>American Mineralogist</i> , 2016 , 101, 1659-1667	2.9	7
58	Hard x-ray photoelectron spectroscopy study of copper formation by metal salt inclusion in a polymer film. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 435301	3	7
57	Ultrafast Charge Transfer Processes Accompanying KLL Auger Decay in Aqueous KCl Solution. <i>Physical Review Letters</i> , 2017 , 119, 263003	7.4	7
56	Sodium ion and cobalt charge ordering in Na _x CoO ₂ (x~56). <i>Physical Review B</i> , 2009 , 79,	3.3	7
55	X-ray magnetic circular dichroism at the Gd L edges in Gd-Ni-Co amorphous systems. <i>Physical Review B</i> , 1997 , 55, 3063-3070	3.3	7

54	Hard x-ray spectroscopy in Na_xCoO_2 and superconducting $\text{Na}_x\text{CoO}_2\cdot y\text{H}_2\text{O}$: Bulk Co electronic properties. <i>Physical Review B</i> , 2006 , 74,	3.3	7
53	Valence changes in YbAl_2 under pressure: a resonant inelastic X-ray emission study. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004 , 137-140, 651-655	1.7	7
52	Resonant X-ray emission spectroscopy applied to a mixed-valent system. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004 , 136, 179-183	1.7	7
51	Epsilon iron as a spin-smectic state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20280-20285	11.5	6
50	Low-energy electronic excitations and band-gap renormalization in CuO . <i>Physical Review B</i> , 2017 , 95,	3.3	6
49	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> , 2020 , 117, 21962-21967	11.5	6
48	Oxygen states in La- and Rh-doped Sr_2IrO_4 probed by angle-resolved photoemission and O K-edge resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2019 , 99,	3.3	5
47	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> , 2018 , 9, 4457-4462	6.4	5
46	Characterization of Pd/Y multilayers with BC barrier layers using GIXR and X-ray standing wave enhanced HAXPES. <i>Journal of Synchrotron Radiation</i> , 2018 , 25, 1417-1424	2.4	5
45	High-Energy X-ray Photoemission and Structural Study of Ultrapure LaF_3 Superionic Conductor Thin Films on Si. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10122-10130	3.8	5
44	Magnetism under Pressure with Synchrotron Radiation. <i>Lecture Notes in Physics</i> , 2006 , 375-399	0.8	5
43	X-ray emission spectroscopy study of the Verwey transition in Fe_3O_4 . <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 2017-2022	1.8	5
42	Magnetic Transitions in Fe 3 Pt Invar Alloy Under High Pressure and Temperature Studied by Inelastic X-ray Scattering. <i>High Pressure Research</i> , 2002 , 22, 53-56	1.6	5
41	Two-dimensional electron systems in perovskite oxide heterostructures: Role of the polarity-induced substitutional defects. <i>Physical Review Materials</i> , 2020 , 4,	3.2	5
40	Kondo-Induced Giant Isotropic Negative Thermal Expansion. <i>Physical Review Letters</i> , 2020 , 124, 125701	7.4	4
39	Bulk electronic structure of non-centrosymmetric EuTGe_3 (T=Co, Ni, Rh, Ir) studied by hard x-ray photoelectron spectroscopy. <i>Physical Review B</i> , 2018 , 97,	3.3	4
38	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> , 2019 , 37, 050601	2.9	4
37	Possible evidence for high-pressure induced charge transfer in thallium rhenium oxide at room temperature. <i>Physical Review B</i> , 2015 , 92,	3.3	4

36	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> , 2013 , 425, 052007	0.3	4
35	Stability of the Fe electronic structure through temperature-, doping-, and pressure-induced transitions in the BaFe ₂ As ₂ superconductors. <i>Physical Review B</i> , 2012 , 86,	3.3	4
34	Large Solid Angle Spectrometer for Inelastic X-ray Scattering. <i>AIP Conference Proceedings</i> , 2007 ,	0	4
33	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> , 2020 , 53, 115105	3	4
32	High Pressure XAS, XMCD and IXS 2016 , 385-405		4
31	Resistive switching in a LaMnO ₃ + $\sqrt{2}$ TiN memory cell investigated by operando hard X-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2019 , 126, 225302	2.5	4
30	Buried Interfaces Effects in Ionic Conductive LaF ₃ /BaF ₂ Multilayers. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600875	4.6	3
29	Study of Pd/Y based multilayers using high energy photoemission spectroscopy combined with x-ray standing waves 2017 ,		3
28	(p,T,H) Phase Diagram of Heavy Fermion Systems: Some Systematics and Some Surprises from Ytterbium. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 1775-1780	1.5	3
27	Quantification of non-bridging oxygens in silicates using X-ray Raman scattering. <i>Journal of Non-Crystalline Solids</i> , 2020 , 528, 119715	3.9	3
26	Unified treatment of recoil and Doppler broadening in molecular high-energy photoemission. <i>New Journal of Physics</i> , 2021 , 23, 063077	2.9	3
25	Chemistry of resistivity changes in TiTe/AlO conductive-bridge memories. <i>Scientific Reports</i> , 2018 , 8, 17919	4.9	3
24	Lithium Borates from the Glass to the Melt: A Temperature-Induced Structural Transformation Viewed from the Boron and Oxygen Atoms. <i>Inorganic Chemistry</i> , 2021 , 60, 798-806	5.1	3
23	Far-Zone Resonant Energy Transfer in X-ray Photoemission as a Structure Determination Tool. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2730-2734	6.4	2
22	Spectroscopy of buried states in black phosphorus with surface doping. <i>2D Materials</i> , 2020 , 7, 035027	5.9	2
21	Intermediate valence in single crystalline Yb ₂ Si ₂ Al. <i>Physical Review B</i> , 2018 , 98,	3.3	2
20	Experimental setup for the study of resonant inelastic X-ray scattering of organometallic complexes in gas phase. <i>Review of Scientific Instruments</i> , 2018 , 89, 063107	1.7	2
19	Multiple pre-edge structures in Cu K-edge x-ray absorption spectra of high-T _c cuprates revealed by high-resolution x-ray absorption spectroscopy. <i>Physical Review B</i> , 2010 , 81,	3.3	2

18	High pressure electronic properties in the light of inelastic X-ray scattering. <i>European Physical Journal: Special Topics</i> , 2009 , 169, 215-220	2.3	2
17	f-Level occupancy in TmTe under pressure investigated by high-resolution X-ray absorption spectroscopy. <i>Physica B: Condensed Matter</i> , 2006 , 378-380, 1154-1155	2.8	2
16	Configuration interaction in L2,3-edge resonant inelastic x-ray scattering spectra of CaF2 and ScAl2. <i>Physical Review B</i> , 2003 , 67,	3.3	2
15	Observation of Si 2p Core-Level Shift in Si/High-Dielectric Interfaces Containing a Negative Charge. <i>Advanced Electronic Materials</i> , 2021 , 7, 2100034	6.4	2
14	Reply to: Ultrafast evolution and transient phases of a prototype out-of-equilibrium Mott-Hubbard material. <i>Nature Communications</i> , 2019 , 10, 4035	17.4	1
13	Spectroscopies and Electron Microscopies Unravel the Origin of the First Colour Photographs. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9113-9119	16.4	1
12	Spin-Transitions in Metal Oxides 2013 , 527-541		1
11	Comparison between measured and simulated X-ray flux from different undulators at SOLEIL. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 032015	0.3	1
10	An Introduction to Inelastic X-Ray Scattering. <i>Springer Proceedings in Physics</i> , 2010 , 263-277	0.2	1
9	Electronic correlations in V2O3 studied with K-edge X-ray absorption spectroscopy. <i>Journal of Physics: Conference Series</i> , 2009 , 190, 012092	0.3	1
8	Low-energy excitations in Na _x CoO ₂ ·yH ₂ O: Experiments and simulation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006 , 246, 165-169	1.2	1
7	Nouvelles spectroscopies Raman X du carbone pour les matériaux anciens 2019 , 22-25	0.1	1
6	RIXS in correlated electron systems under extreme conditions. <i>High Pressure Research</i> , 2016 , 36, 371-380.	0.6	1
5	Pressure evolution of the electronic structure of non-centrosymmetric EuRhGe ₃ . <i>Electronic Structure</i> , 2021 , 3, 034002	2.6	0
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