Liu Hao Tjeng

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.

289 papers	13,132 citations	61 h-index	105 g-index
312 ext. papers	14,451 ext. citations	5.2 avg, IF	5.72 L-index

#	Paper	IF	Citations
289	Fe4-xNixNb2O9 (x⩽1): Nickel impact on the magnetoelectric properties of Fe4Nb2O9. *Solid State Sciences*, **2022**, 125, 106821	3.4	
288	Realization of A Half Metal with a Record-high Curie Temperature in Perovskite Oxides.. *Advanced Materials*, **2022**, e2200626	24	1
287	Single-crystal epitaxial europium iron garnet films with strain-induced perpendicular magnetic anisotropy: Structural, strain, magnetic, and spin transport properties. *Physical Review Materials*, **2022**, 6,	3.2	3
286	Observation of novel charge ordering and spin reorientation in perovskite oxide PbFeO. *Nature Communications*, **2021**, 12, 1917	17.4	3
285	Charge and spin degrees of freedom in A-site ordered YCu3Co4O12 and CaCu3Co4O12. *Physical Review B*, **2021**, 103,	3.3	3
284	Single Crystal Growth and Physical Properties of Pyroxene CoGeO3. *Crystals*, **2021**, 11, 378	2.3	0
283	High-pressure synthesis, crystal structure, and properties of iron-based spin-chain compound Ba9Fe3Se15. *Physical Review Materials*, **2021**, 5,	3.2	1
282	Unusual mixed spin-state of Co3+ in the ground state of LaSrCoO4: Combined high-pressure and high-temperature study. *Journal of Alloys and Compounds*, **2021**, 862, 158050	5.7	2
281	High pressure phase of Ba2FeS3: An antiferromagnet with one-dimensional spin chains. *Journal of Alloys and Compounds*, **2021**, 859, 157839	5.7	6
280	Challenges of Topological Insulator Research: Bi2Te3 Thin Films and Magnetic Heterostructures. *Physica Status Solidi (B): Basic Research*, **2021**, 258, 2000346	1.3	3
279	Observation of A-site antiferromagnetic and B-site ferrimagnetic orderings in the quadruple perovskite oxide CaCu3Co2Re2O12. *Physical Review B*, **2021**, 103,	3.3	3
278	A combinatory ferroelectric compound bridging simple ABO and A-site-ordered quadruple perovskite. *Nature Communications*, **2021**, 12, 747	17.4	9
277	Evidence for largest room temperature magnetic signal from Co2+ in antiphase-free & fully inverted CoFe2O4 in multiferroic-ferrimagnetic BiFeO3-CoFe2O4 nanopillar thin films. *Journal of Magnetism and Magnetic Materials*, **2021**, 530, 167940	2.8	1
276	Magnetic and electric field dependent anisotropic magnetoelectric multiferroicity in SmMn3Cr4O12. *Physical Review B*, **2021**, 104,	3.3	3
275	Magnetic Frustration in a Zeolite. *Chemistry of Materials*, **2021**, 33, 9725-9731	9.6	
274	Enhanced magnetization of the highest-TC ferrimagnetic oxide Sr2CrOsO6. *Physical Review B*, **2020**, 102,	3.3	5
273	Spin-Induced Multiferroic Behavior in Centrosymmetric Mn3WO6. *Chemistry of Materials*, **2020**, 32, 5664-5669	9.6	2

272	High-pressure synthesis and spin glass behavior of a Mn/Ir disordered quadruple perovskite CaCuMnIrO. *Journal of Physics Condensed Matter*, **2020**, 32, 075701	1.8	8
271	High-Pressure Synthesis of Two Polymorphic HgMnO Phases and Distinct Magnetism from 2D to 3D. *Inorganic Chemistry*, **2020**, 59, 3887-3893	5.1	4
270	Voltage- and time-dependent valence state transition in cobalt oxide catalysts during the oxygen evolution reaction. *Nature Communications*, **2020**, 11, 1984	17.4	60
269	Possible multiorbital ground state in CeCu2Si2. *Physical Review B*, **2020**, 102,	3.3	5
268	Molecular beam epitaxy preparation and in situ characterization of FeTe thin films. *Physical Review Materials*, **2020**, 4,	3.2	4
267	Topological insulator interfaced with ferromagnetic insulators: Bi2Te3 thin films on magnetite and iron garnets. *Physical Review Materials*, **2020**, 4,	3.2	11
266	From antiferromagnetic and hidden order to Pauli paramagnetism in U Si compounds with 5 electron duality. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 30220-30227	11.5	8
265	A New Highly Anisotropic Rh-Based Heusler Compound for Magnetic Recording. *Advanced Materials* , **2020**, 32, e2004331	24	1
264	Charge-transfer energy in iridates: A hard x-ray photoelectron spectroscopy study. *Physical Review B*, **2020**, 102,	3.3	1
263	High-Pressure Synthesis of a B-site Co/Mn Disordered Quadruple Perovskite LaMnCoMnO. *Inorganic Chemistry*, **2020**, 59, 12445-12452	5.1	3
262	Charge disproportionation and nano phase separation in [Formula: see text]. *Scientific Reports*, **2020**, 10, 18012	4.9	1
261	Interfacing topological insulators and ferrimagnets: Bi2Te3 and Fe3O4 heterostructures grown by molecular beam epitaxy. *APL Materials*, **2020**, 8, 071114	5.7	3
260	A submicron soft x-ray active grating monochromator beamline for ultra-high resolution angle-resolved photoemission spectroscopy **2019**,		2
259	Orientation of the ground-state orbital in CeCoIn5 and CeRhIn5. *Physical Review B*, **2019**, 99,	3.3	5
258	Deterministic optical control of room temperature multiferroicity in BiFeO thin films. *Nature Materials*, **2019**, 18, 580-587	27	41
257	Boosting the oxygen evolution reaction activity of a perovskite through introducing multi-element synergy and building an ordered structure. *Journal of Materials Chemistry A*, **2019**, 7, 9924-9932	13	39
256	Direct imaging of orbitals in quantum materials. *Nature Physics*, **2019**, 15, 559-562	16.2	8
255	Valence band hard x-ray photoelectron spectroscopy on 3d transition-metal oxides containing rare-earth elements. *Physical Review B*, **2019**, 99,	3.3	7

254	Valence-state and spin-state transition of Co in LaCo0.5Rh0.5O3. *Physical Review B*, **2019**, 99,	3.3	5
253	Nature of the magnetism of iridium in the double perovskite Sr2CoIrO6. *Physical Review B*, **2019**, 100,	3.3	39
252	Ternary Phase Diagram-Facilitated Rapid Screening of Double Perovskites As Electrocatalysts for the Oxygen Evolution Reaction. *Chemistry of Materials*, **2019**, 31, 5919-5926	9.6	17
251	Orbital selection of the double [CuO2] layer compound Ca3Cu2O4Cl2. *Science China: Physics, Mechanics and Astronomy*, **2019**, 62, 1	3.6	1
250	Interplay of Atomic Interactions in the Intermetallic Semiconductor Be Pt. *Angewandte Chemie - International Edition*, **2019**, 58, 15928-15933	16.4	19
249	Deciphering the Interface of a High-Voltage (5 V-Class) Li-Ion Battery Containing Additive-Assisted Sulfolane-Based Electrolyte. *Small Methods*, **2019**, 3, 1900546	12.8	18
248	Large magnetoresistance effects in FeO. *Journal of Physics Condensed Matter*, **2019**, 31, 225803	1.8	3
247	Room-temperature ferrimagnetism of anti-site-disordered Ca2MnOsO6. *Physical Review Materials*, **2019**, 3,	3.2	10
246	Cu2MSiO5 (M=Co,Ni): A new silicate material with chains of Cu and M ions. *Physical Review Materials*, **2019**, 3,	3.2	1
245	High-pressure synthesis of A-site ordered perovskite CaMn3(Fe3Mn)O12 and sequential long-range antiferromagnetic ordering and spin glass transition. *Journal of Solid State Chemistry*, **2019**, 278, 120921	3.3	4
244	Origin of Ising magnetism in CaCoO unveiled by orbital imaging. *Nature Communications*, **2019**, 10, 5447	17.4	3
243	Spin-orbit coupling and crystal-field distortions for a low-spin 3d5 state in BaCoO3. *Physical Review B*, **2019**, 100,	3.3	29
242	Crystal Growth and Physical Properties of Sr4Co3O7.5+xCl2 Single Crystals (x ~ 0.14). *Crystals*, **2019**, 9, 623	2.3	1
241	Resonant inelastic x-ray scattering investigation of the crystal-field splitting of Sm3+ in SmB6. *Physical Review B*, **2019**, 100,	3.3	3
240	Single antiferromagnetic axis of Fe in orthorhombic YMn0.5Fe0.5O3 films observed by x-ray magnetic linear dichroism. *Journal of Alloys and Compounds*, **2019**, 780, 79-84	5.7	1
239	The new ordered double perovskite SrLaCuIrO6. *Solid State Communications*, **2019**, 289, 43-46	1.6	3
238	Strong modification of thin film properties due to screening across the interface. *Physical Review B*, **2018**, 97,	3.3	3
237	c-Axis Dimer and Its Electronic Breakup: The Insulator-to-Metal Transition in Ti2O3. *Physical Review X*, **2018**, 8,	9.1	9

236	Valence State of Pb in Transition Metal Perovskites PbTMO3 (TM = Ti, Ni) Determined From X-Ray Absorption Near-Edge Spectroscopy. *Physica Status Solidi (B): Basic Research*, **2018**, 255, 1800014	1.3	5
235	Antiferromagnetic correlations in the metallic strongly correlated transition metal oxide LaNiO. *Nature Communications*, **2018**, 9, 43	17.4	73
234	4f Crystal Field Ground State of the Strongly Correlated Topological Insulator SmB_{6}. *Physical Review Letters*, **2018**, 120, 016402	7.4	27
233	Synthesis and Characterization of BaLiRu5O11, BaCu1+xRu5−xO11, and BaLi1−xCux+xRu5O11: Crystal Structures and Valence States. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2018**, 644, 1691-1696	1.3	1
232	Ultrahigh-performance tungsten-doped perovskites for the oxygen evolution reaction. *Journal of Materials Chemistry A*, **2018**, 6, 9854-9859	13	60
231	Complex strain evolution of polar and magnetic order in multiferroic BiFeO thin films. *Nature Communications*, **2018**, 9, 3764	17.4	30
230	Determining the local low-energy excitations in the Kondo semimetal CeRu4Sn6 using resonant inelastic x-ray scattering. *Physical Review B*, **2018**, 98,	3.3	7
229	Strain-induced changes of the electronic properties of B-site ordered double-perovskite Sr2CoIrO6 thin films. *Physical Review B*, **2018**, 97,	3.3	6
228	Probing the Jeff=0 ground state and the Van Vleck paramagnetism of the Ir5+ ions in layered Sr2Co0.5Ir0.5O4. *Physical Review B*, **2018**, 97,	3.3	10
227	Canted Antiferromagnetism on Rectangular Layers of Fe in Polymorphic CaFeSeO. *Inorganic Chemistry*, **2017**, 56, 4271-4279	5.1	6
226	Three Oxidation States of Manganese in the Barium Hexaferrite BaFeMnO. *Inorganic Chemistry*, **2017**, 56, 3861-3866	5.1	36
225	Electronically highly cubic conditions for Ru in RuCl3. *Physical Review B*, **2017**, 96,	3.3	26
224	Bulk and surface electronic properties of SmB6: A hard x-ray photoelectron spectroscopy study. *Physical Review B*, **2017**, 96,	3.3	16
223	Valence state of Sm in single-crystalline EuO thin films. *Europhysics Letters*, **2017**, 117, 47001	1.6	2
222	The quartet ground state in CeB 6 : An inelastic x-ray scattering study. *Europhysics Letters*, **2017**, 117, 17003	1.6	8
221	Intermediate-Valence Ytterbium Compound YbGaPt: Synthesis, Crystal Structure, and Physical Properties. *Inorganic Chemistry*, **2017**, 56, 9343-9352	5.1	8
220	Insight into the Role of Metal−Oxygen Bond and O 2p Hole in High-Voltage Cathode LiNixMn2−xO4. *Journal of Physical Chemistry C*, **2017**, 121, 16079-16087	3.8	37
219	Intricacies of the Co3+ spin state in Sr2Co0.5Ir0.5O4: An x-ray absorption and magnetic circular dichroism study. *Physical Review B*, **2017**, 95,	3.3	11

218	Challenges from experiment: electronic structure of NiO. *European Physical Journal: Special Topics*, **2017**, 226, 2445-2456	2.3	13
217	Comparative Study of Potentially Jeff = 0 Ground State Iridium(V) in SrLaNiIrO6, SrLaMgIrO6, and SrLaZnIrO6. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2017**, 643, 2095-2101	1.3	11
216	Electronic signature of the vacancy ordering in NbO(Nb3O3). *Physical Review B*, **2017**, 96,	3.3	9
215	Relation between the Co-O bond lengths and the spin state of Co in layered Cobaltates: a high-pressure study. *Scientific Reports*, **2017**, 7, 3656	4.9	18
214	Long-range interactions in the effective low-energy Hamiltonian of Sr2IrO4: A core-to-core resonant inelastic x-ray scattering study. *Physical Review B*, **2017**, 95,	3.3	13
213	Jahn-Teller distortion driven magnetic polarons in magnetite. *Nature Communications*, **2017**, 8, 15929	17.4	37
212	Ce 3phard x-ray photoelectron spectroscopy study of the topological Kondo insulator CeRu4Sn6. *Journal of Physics: Conference Series*, **2017**, 807, 022001	0.3	3
211	The role of nonmagnetic d0 vs. d10 B-type cations on the magnetic exchange interactions in osmium double perovskites. *Journal of Solid State Chemistry*, **2016**, 243, 119-123	3.3	14
210	Strong enhancement of spin ordering by A-site magnetic ions in the ferrimagnet CaCu3Fe2Os2O12. *Physical Review B*, **2016**, 94,	3.3	33
209	Heteroepitaxy of FeO/Muscovite: A New Perspective for Flexible Spintronics. *ACS Applied Materials & Interfaces*, **2016**, 8, 33794-33801	9.5	83
208	High-Pressure Synthesis and Ferrimagnetic Ordering of the B-Site-Ordered Cubic Perovskite PbFeOsO. *Inorganic Chemistry*, **2016**, 55, 9816-9821	5.1	12
207	Quantitative study of the f occupation in CeMIn5 and other cerium compounds with hard X-rays. *Journal of Electron Spectroscopy and Related Phenomena*, **2016**, 209, 1-8	1.7	10
206	Dynamic Atomic Reconstruction: How Fe3O4 Thin Films Evade Polar Catastrophe for Epitaxy. *Physical Review X*, **2016**, 6,	9.1	16
205	Oxyhalides: A new class of high-T C multiferroic materials. *Science Advances*, **2016**, 2, e1600353	14.3	30
204	Single-domain multiferroic BiFeO3 films. *Nature Communications*, **2016**, 7, 12712	17.4	74
203	Synthesis, crystal structures, and magnetic properties of double perovskites SrLaNiOsO6 and BaLaNiOsO6. *Solid State Communications*, **2016**, 243, 49-54	1.6	11
202	Electronic and Magnetic Nano Phase Separation in Cobaltates La2 Sr x CoO4. *Journal of Superconductivity and Novel Magnetism*, **2016**, 29, 727-731	1.5	7
201	Surface and electronic structure of SmB through scanning tunneling microscopy. *Philosophical Magazine*, **2016**, 96, 3262-3273	1.6	20

200	Optimizing Polarization Dependent Hard X-ray Photoemission Experiments for Solids. *Springer Series in Surface Sciences*, **2016**, 263-275	0.4	
199	Single Crystal Growth of Pure Co3+ Oxidation State Material LaSrCoO4. *Crystals*, **2016**, 6, 98	2.3	11
198	[Cs6 Cl][Fe24 Se26]: A Host-Guest Compound with Unique Fe-Se Topology. *Chemistry - A European Journal*, **2016**, 22, 4626-31	4.8	5
197	Incommensurate spin correlations in highly oxidized cobaltates La2-xSrxCoO4. *Scientific Reports*, **2016**, 6, 25117	4.9	14
196	Cross-type orbital ordering in the layered hybrid organic-inorganic compound (C6H5CH2CH2NH3)2CuCl4. *Physical Review B*, **2016**, 94,	3.3	8
195	Direct bulk-sensitive probe of 5f symmetry in URu2Si2. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 13989-13994	11.5	23
194	Fe3O4 thin films: controlling and manipulating an elusive quantum material. *Npj Quantum Materials* , **2016**, 1,	5	39
193	Additional energy scale in SmB at low-temperature. *Nature Communications*, **2016**, 7, 13762	17.4	35
192	Ba2NiOsO6: A Dirac-Mott insulator with ferromagnetism near 100 K. *Physical Review B*, **2016**, 94,	3.3	36
191	Electrically enhanced magnetization in highly strained BiFeO3 films. *NPG Asia Materials*, **2016**, 8, e269-e269	10.3	8
190	Quantitative study of valence and configuration interaction parameters of the Kondo semiconductors CeM2Al10 (M = Ru, Os and Fe) by means of bulk-sensitive hard X-ray photoelectron spectroscopy. *Journal of Electron Spectroscopy and Related Phenomena*, **2015**, 199, 56-63	1.7	14
189	Correlation between ground state and orbital anisotropy in heavy fermion materials. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2384-8	11.5	43
188	Electronic and spin states of SrRuO3 thin films: An x-ray magnetic circular dichroism study. *Physical Review B*, **2015**, 91,	3.3	21
187	Floating zone growth of Ba-substituted ruthenate Sr2−xBaxRuO4. *Journal of Crystal Growth*, **2015**, 427, 94-98	1.6	6
186	Polarization dependent hard X-ray photoemission experiments for solids: Efficiency and limits for unraveling the orbital character of the valence band. *Journal of Electron Spectroscopy and Related Phenomena*, **2015**, 198, 6-11	1.7	22
185	CeRu4Sn6: a strongly correlated material with nontrivial topology. *Scientific Reports*, **2015**, 5, 17937	4.9	26
184	SmO thin films: A flexible route to correlated flat bands with nontrivial topology. *Physical Review B*, **2015**, 91,	3.3	8
183	Absence of orbital rotation in superconducting CeCu2Ge2. *Physical Review B*, **2015**, 91,	3.3	21

182	Crossover from a heavy fermion to intermediate valence state in noncentrosymmetric Yb2Ni12(P,As)7. *Scientific Reports*, **2015**, 5, 17608	4.9	9
181	Protective capping of topological surface states of intrinsically insulating Bi2Te3. *AIP Advances*, **2015**, 5, 097139	1.5	29
180	Synthesis and Characterization of Frustrated Spin Ladders SrFe2S2O and SrFe2Se2O. *European Journal of Inorganic Chemistry*, **2015**, 2015, 2982-2988	2.3	12
179	Ba3 v2 s4 o3 : a mott insulating frustrated quasi-one-dimensional s=1 magnet. *Chemistry - A European Journal*, **2015**, 21, 7938-43	4.8	16
178	Sr2MgOsO6: A Frustrated Os6+ (5d2) Double Perovskite with Strong Antiferromagnetic Interactions. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2015**, 641, 769-771	1.3	8
177	Mn3TeO6 a new multiferroic material with two magnetic substructures. *Physica Status Solidi - Rapid Research Letters*, **2015**, 9, 730-734	2.5	19
176	Synthesis and Characterization of Ba[CoSO]: Magnetic Complexity in the Presence of Chalcogen Ordering. *Chemistry - A European Journal*, **2015**, 21, 10821-8	4.8	13
175	Charge correlations in cobaltates La2Srx CoO4. *Physica Status Solidi - Rapid Research Letters*, **2015**, 9, 580-582	2.5	12
174	Magnetically Frustrated Double Perovskites: Synthesis, Structural Properties, and Magnetic Order of Sr2BOsO6 (B = Y, In, Sc). *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2015**, 641, 197-205	1.3	40
173	An unusual high-spin ground state of Co3+ in octahedral coordination in brownmillerite-type cobalt oxide. *Dalton Transactions*, **2015**, 44, 10708-13	4.3	36
172	A complete high-to-low spin state transition of trivalent cobalt ion in octahedral symmetry in SrCo0.5Ru0.5O(3- Journal of the American Chemical Society, **2014**, 136, 1514-9	16.4	95
171	Contiguous 3d and 4f magnetism: strongly correlated 3d electrons in YbFe2Al10. *Physical Review Letters*, **2014**, 113, 216403	7.4	15
170	k=0 magnetic structure and absence of ferroelectricity in SmFeO3. *Physical Review Letters*, **2014**, 113, 217203	7.4	86
169	Intrinsic conduction through topological surface states of insulating Bi2Te3 epitaxial thin films. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 14979-84	11.5	73
168	Oxygen-driven competition between low-dimensional structures of Sr3CoMO6 and Sr3CoMO7- with M = Ru, Ir. *Dalton Transactions*, **2014**, 43, 13883-91	4.3	10
167	Verwey transition in Fe3O4 thin films: Influence of oxygen stoichiometry and substrate-induced microstructure. *Physical Review B*, **2014**, 90,	3.3	62
166	Structure, Magnetism, and Valence States of Cobalt and Platinum in Quasi-One-Dimensional Oxides A3CoPtO6 with A = Ca, Sr. *Journal of Physical Chemistry C*, **2014**, 118, 5463-5469	3.8	9
165	Structure and properties of NaFeO2-type ternary sodium iridates. *Journal of Solid State Chemistry*, **2014**, 210, 195-205	3.3	12

164	S = 2 Spin Ladders in the Sulfide Oxide BaFe2S2O. *European Journal of Inorganic Chemistry*, **2014**, 2014, 6150-6155	2.3	14
163	Growth and characterization of Sc-doped EuO thin films. *Applied Physics Letters*, **2014**, 104, 052403	3.4	5
162	Importance of tetrahedral coordination for high-valent transition-metal oxides: YCrO4 as a model system. *Physical Review B*, **2014**, 90,	3.3	7
161	Spectroscopic evidence for exceptionally high orbital moment induced by local distortions in □CoV2O6. *Physical Review B*, **2014**, 89,	3.3	30
160	Hybridization gap and Fano resonance in SmB6. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 4798-802	11.5	98
159	Analysis of charge and orbital order in Fe3O4 by Fe L2,3 resonant x-ray diffraction. *Physical Review B*, **2013**, 88,	3.3	7
158	Coupled valence and spin state transition in (Pr0.7Sm0.3)0.7Ca0.3CoO3. *Physical Review B*, **2013**, 87,	3.3	33
157	Crystal field ground state of the orthorhombic Kondo semiconductors CeOs2Al10 and CeFe2Al10. *Physical Review B*, **2013**, 87,	3.3	31
156	Correlation effects in CaCu3Ru4O12. *Physical Review B*, **2013**, 87,	3.3	20
155	Orthorhombic BiFeO3. *Physical Review Letters*, **2012**, 109, 247606	7.4	87
154	Resonant soft x-ray scattering from stepped surfaces of SrTiO3. *Journal of Physics Condensed Matter*, **2012**, 24, 035501	1.8	8
153	Magnetic properties and crystal structure of Sr3CoIrO6 and Sr3NiIrO6. *Physical Review B*, **2012**, 86,	3.3	24
152	Spectroscopic observation of strain-assisted TC enhancement in EuO upon Gd doping. *Physical Review B*, **2012**, 85,	3.3	9
151	Insulator-metal transition in TiGePt: A combined photoelectron spectroscopy, x-ray absorption spectroscopy, and band structure study. *Physical Review B*, **2012**, 85,	3.3	1
150	Structural transformation with "negative volume expansion": chemical bonding and physical behavior of TiGePt. *Chemistry - A European Journal*, **2012**, 18, 6272-83	4.8	11
149	NO-assisted molecular-beam epitaxial growth of nitrogen substituted EuO. *Applied Physics Letters*, **2012**, 100, 162405	3.4	
148	Mott versus Slater-type metal-insulator transition in Mn-substituted Sr3Ru2O7. *Physical Review B*, **2012**, 86,	3.3	14
147	Crystal-field ground state of the orthorhombic Kondo insulator CeRu2Al10. *Physical Review B*, **2012** , 86,	3.3	55

146	Spin-state transition in Ba2Co9O14. *Physical Review B*, **2012**, 85,	3.3	12
145	Determining the in-plane orientation of the ground-state orbital of CeCu2Si2. *Physical Review Letters*, **2012**, 109, 046401	7.4	32
144	Symmetry of orbital order in Fe3O4 studied by Fe L(2,3) resonant x-ray diffraction. *Physical Review Letters*, **2012**, 108, 227203	7.4	20
143	Spectroscopic determination of crystal-field levels in CeRh2Si2 and CeRu2Si2 and of the 4f0 contributions in CeM2Si2 (M=Cu, Ru, Rh, Pd, and Au). *Physical Review B*, **2012**, 85,	3.3	37
142	From antiferromagnetic insulator to correlated metal in pressurized and doped LaMnPO. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1815-9	11.5	42
141	Spin-state order/disorder and metal□insulator transition in GdBaCo2O5.5: experimental determination of the underlying electronic structure. *New Journal of Physics*, **2012**, 14, 123025	2.9	41
140	Oxygen-Deficient Perovskite Sr0.7Y0.3CoO2.65□s a Cathode for Intermediate-Temperature Solid Oxide Fuel Cells. *Chemistry of Materials*, **2011**, 23, 5037-5044	9.6	54
139	Orbital occupation and magnetism of tetrahedrally coordinated iron in CaBaFe4O7. *Physical Review B*, **2011**, 83,	3.3	20
138	Microscopic origin of the giant ferroelectric polarization in tetragonal-like BiFeO(3). *Physical Review Letters*, **2011**, 107, 147602	7.4	248
137	Sr3[Co(CN)3] and Ba3[Co(CN)3]: Crystal Structure, Chemical Bonding, and Conceptional Considerations of Highly Reduced Metalates. *Angewandte Chemie*, **2011**, 123, 9533-9536	3.6	16
136	Sr3[Co(CN)3] and Ba3[Co(CN)3]: crystal structure, chemical bonding, and conceptional considerations of highly reduced metalates. *Angewandte Chemie - International Edition*, **2011**, 50, 9361-4	16.4	15
135	Strain-dependent transport properties of the ultra-thin correlated metal, LaNiO3. *New Journal of Physics*, **2011**, 13, 073037	2.9	15
134	Asymmetric orbital-lattice interactions in ultrathin correlated oxide films. *Physical Review Letters*, **2011**, 107, 116805	7.4	142
133	Orbital order in La0.5Sr1.5MnO4: Beyond a common local Jahn-Teller picture. *Physical Review B*, **2011**, 84,	3.3	26
132	Magnetic field induced orbital polarization in cubic YbInNi4: determining the quartet ground state using x-ray linear dichroism. *Physical Review Letters*, **2011**, 107, 236402	7.4	10
131	Oxygen off-stoichiometry and phase separation in EuO thin films. *Physical Review B*, **2011**, 84,	3.3	25
130	Intrinsic and extrinsic x-ray absorption effects in soft x-ray diffraction from the superstructure in magnetite. *Physical Review B*, **2011**, 83,	3.3	8
129	Epitaxial europium oxide on Ni(100) with single-crystal quality. *Physical Review B*, **2011**, 83,	3.3	22

128	Determination of the Co valence in bilayer hydrated superconducting NaxCoO2 □yH2O by soft x-ray absorption spectroscopy. *Physical Review Letters*, **2011**, 107, 066404	7.4	25
127	Crystal-field and Kondo-scale investigations of CeMIn5 (M=Co, Ir, and Rh): A combined x-ray absorption and inelastic neutron scattering study. *Physical Review B*, **2010**, 81,	3.3	65
126	Local electronic structure of Fe2+ impurities in MgO thin films: Temperature-dependent soft x-ray absorption spectroscopy study. *Physical Review B*, **2010**, 82,	3.3	26
125	Local symmetry and magnetic anisotropy in multiferroic MnWO4 and antiferromagnetic CoWO4 studied by soft x-ray absorption spectroscopy. *Physical Review B*, **2010**, 82,	3.3	44
124	Local orbital occupation and energy levels of Co in NaxCoO2: A soft x-ray absorption study. *Physical Review B*, **2010**, 81,	3.3	42
123	Strong orbital polarization in orthorhombic DyMnO3: A combined x-ray linear dichroism and ab initio electronic structure study. *Physical Review B*, **2010**, 81,	3.3	17
122	Disorder-driven electronic localization and phase separation in superconducting Fe1+yTe0.5Se0.5 single crystals. *Physical Review B*, **2010**, 82,	3.3	30
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