Dipankar Das Sarma

List of Publications by Year in Descending Order

360 papers	15,139 citations	63 h-index	107 g-index
377 ext. papers	16,174 ext. citations	4.5 avg, IF	6.4 L-index

#	Paper	IF	Citations
360	All-alkoxide based deposition and properties of a multilayer La0.67Sr0.33MnO3/CoFe2O4/La0.67Sr0.33MnO3 film. *European Journal of Inorganic Chemistry*, **2021**, 2021, 1736-1744	2.3	0
359	Temperature-dependent anomalous Mn2+ emission and excited state dynamics in Mn2+-doped MAPbCl3-xBrx nanocrystals. *Journal of Chemical Sciences*, **2021**, 133, 1	1.8	1
358	Contrasting Effects of FA Substitution on MA/FA Rotational Dynamics in FAxMA1−xPbI3. *Journal of Physical Chemistry C*, **2021**, 125, 13666-13676	3.8	1
357	Properties of [Fe4Cu2] magnetic cluster compound. *Bulletin of Materials Science*, **2021**, 44, 1	1.7	
356	Exploring Librational Pathways with on-the-Fly Machine-Learning Force Fields: Methylammonium Molecules in MAPbX (X = I, Br, Cl) Perovskites. *Journal of Physical Chemistry C*, **2021**, 125, 21077-21086	3.8	1
355	Complexity of mixed allotropes of MoS2 unraveled by first-principles theory. *Physical Review B*, **2020**, 102,	3.3	4
354	Magnetic polarons and spin-glass behavior in insulating La1−xSrxCoO3 (x=0.125 and 0.15). *Physical Review Research*, **2020**, 2,	3.9	3
353	On the origin of metallicity and stability of the metastable phase in chemically exfoliated MoS2. *Applied Materials Today*, **2020**, 19, 100544	6.6	4
352	Conducting LaVO3/SrTiO3 Interface: Is Cationic Stoichiometry Mandatory?. *Advanced Materials Interfaces*, **2020**, 7, 1900941	4.6	12
351	Contrasting Behaviors of FA and MA Cations in PbBr. *Journal of Physical Chemistry Letters*, **2020**, 11, 9669-9679	6.4	11
350	Signatures of a Spin-1/2 Cooperative Paramagnet in the Diluted Triangular Lattice of Y_{2}CuTiO_{6}. *Physical Review Letters*, **2020**, 125, 117206	7.4	0
349	Nature and origin of unusual properties in chemically exfoliated 2D MoS2. *APL Materials*, **2020**, 8, 040909	5.7	4
348	The limit to realize an isolated magnetic single skyrmionic state. *Journal of Materials Chemistry C*, **2019**, 7, 1337-1344	7.1	4
347	Expanding Interlayer Spacing in MoS2 for Realizing an Advanced Supercapacitor. *ACS Energy Letters* , **2019**, 4, 1602-1609	20.1	109
346	Tuning copper sulfide nanosheets by cation exchange reactions to realize two-dimensional CZTS dielectric layers. *Journal of Materials Chemistry A*, **2019**, 7, 9782-9790	13	9
345	Charge disproportionate antiferromagnetism at the verge of the insulator-metal transition in doped LaFeO3. *Physical Review B*, **2019**, 99,	3.3	9
344	Defects, conductivity and photoconductivity in Ar+ bombarded KTaO 3. *Journal of Applied Physics*, **2019**, 126, 035303	2.5	9

343	Peculiar magnetic states in the double perovskite Nd2NiMnO6. *Physical Review B*, **2019**, 100,	3.3	5
342	Phase Diagram and Dielectric Properties of MA1−xFAxPbI3. *ACS Energy Letters*, **2019**, 4, 2045-2051	20.1	16
341	Ground-state ferrimagnetism and magneto-caloric effects in Nd2NiMnO6. *Materials Research Express*, **2019**, 6, 116122	1.7	4
340	Critical Comparison of FAPbX3 and MAPbX3 (X = Br and Cl): How Do They Differ?. *Journal of Physical Chemistry C*, **2018**, 122, 13758-13766	3.8	56
339	RF and microwave dielectric response investigation of high-k yttrium copper titanate ceramic for electronic applications. *Microelectronic Engineering*, **2018**, 194, 15-18	2.5	1
338	Designing a Lower Band Gap Bulk Ferroelectric Material with a Sizable Polarization at Room Temperature. *ACS Energy Letters*, **2018**, 3, 1176-1182	20.1	32
337	Effect of anti-site disorder on magnetism in La2NiMnO6. *Physical Review B*, **2018**, 97,	3.3	31
336	Dielectrical performance of high-k yttrium copper titanate thin films for electronic applications. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 7090-7098	2.1	5
335	Why Does CuFeS Resemble Gold?. *Journal of Physical Chemistry Letters*, **2018**, 9, 696-701	6.4	17
334	Evolution of the Local Structure within Chromophoric Mn-O Trigonal Bipyramids in YMnIn O with Composition. *Inorganic Chemistry*, **2018**, 57, 9012-9019	5.1	6
333	Can SHG Measurements Determine the Polarity of Hybrid Lead Halide Perovskites?. *ACS Energy Letters*, **2018**, 3, 1887-1891	20.1	15
332	Hexagonal WO3Nanorods as Ambipolar Electrode Material in Asymmetric WO3//WO3/MnO2Supercapacitor. *Journal of the Electrochemical Society*, **2018**, 165, A2108-A2114	3.9	16
331	Relativistic GW+BSE study of the optical properties of Ruddlesden-Popper iridates. *Physical Review Materials*, **2018**, 2,	3.2	23
330	Realizing an Asymmetric Supercapacitor Employing Carbon Nanotubes Anchored to MnO Cathode and FeO Anode. *ACS Applied Materials & Interfaces*, **2018**, 10, 42484-42493	9.5	36
329	The origin of low bandgap and ferroelectricity of a co-doped BaTiO 3. *Europhysics Letters*, **2018**, 124, 27005	1.6	5
328	Synthetic Control on Structure/Dimensionality and Photophysical Properties of Low Dimensional Organic Lead Bromide Perovskite. *Inorganic Chemistry*, **2018**, 57, 13443-13452	5.1	25
327	Nature of the charge carriers in LaAlO 3 -SrTiO 3 oxide heterostructures probed using hard X-ray photoelectron spectroscopy. *Europhysics Letters*, **2018**, 123, 47003	1.6	1
326	Solution-Processed Free-Standing Ultrathin Two-Dimensional PbS Nanocrystals with Efficient and Highly Stable Dielectric Properties. *Chemistry of Materials*, **2017**, 29, 1175-1182	9.6	30

325	Luminescence, Plasmonic, and Magnetic Properties of Doped Semiconductor Nanocrystals. *Angewandte Chemie - International Edition*, **2017**, 56, 7038-7054	16.4	163
324	Two-Dimensional Hybrid Organohalide Perovskites from Ultrathin PbS Nanocrystals as Template. *Journal of Physical Chemistry C*, **2017**, 121, 6401-6408	3.8	15
323	Doping an antiferromagnetic insulator: A route to an antiferromagnetic metallic phase. *Europhysics Letters*, **2017**, 117, 57003	1.6	2
322	A Cost-Effective and High-Performance Core-Shell-Nanorod-Based ZnO/Fe2O3//ZnO/C Asymmetric Supercapacitor. *Journal of the Electrochemical Society*, **2017**, 164, A987-A994	3.9	20
321	Temperature-independent band structure of WTe2 as observed from angle-resolved photoemission spectroscopy. *Physical Review B*, **2017**, 96,	3.3	5
320	Suppression of the Coffee-Ring Effect and Evaporation-Driven Disorder to Order Transition in Colloidal Droplets. *Journal of Physical Chemistry Letters*, **2017**, 8, 4704-4709	6.4	36
319	Fe2O3-Based Core-Shell-NanorodStructured Positiveand Negative Electrodes for a High-Performance Fe2O3/C//Fe2O3/MnOxAsymmetric Supercapacitor. *Journal of the Electrochemical Society*, **2017**, 164, A2707-A2715	3.9	21
318	Behavior of Methylammonium Dipoles in MAPbX (X = Br and I). *Journal of Physical Chemistry Letters*, **2017**, 8, 4113-4121	6.4	76
317	Chemically exfoliated MoS2 layers: Spectroscopic evidence for the semiconducting nature of the dominant trigonal metastable phase. *Physical Review B*, **2017**, 96,	3.3	31
316	MoTe2: An uncompensated semimetal with extremely large magnetoresistance. *Physical Review B*, **2017**, 95,	3.3	33
315	Competing Roles of Substrate Composition, Microstructure, and Sustained Strontium Release in Directing Osteogenic Differentiation of hMSCs. *ACS Applied Materials & Interfaces*, **2017**, 9, 19389-19408	8.5	21
314	Composition driven structural transition in La2Sr CuRuO6 (0x1) double perovskites. *Journal of Alloys and Compounds*, **2017**, 693, 1096-1101	5.7	3
313	The electronic, chemical and electrocatalytic processes and intermediates on iron oxide surfaces during photoelectrochemical water splitting. *Catalysis Today*, **2016**, 260, 72-81	5.3	24
312	Role of Polar Phonons in the Photo Excited State of Metal Halide Perovskites. *Scientific Reports*, **2016**, 6, 28618	4.9	178
311	Effect of impurity substitution on band structure and mass renormalization of the correlated FeTe0.5Se0.5 superconductor. *Physical Review B*, **2016**, 93,	3.3	5
310	High photon energy spectroscopy of NiO: Experiment and theory. *Physical Review B*, **2016**, 93,	3.3	15
309	Origin and distribution of charge carriers in LaAlO3SrTiO3 oxide heterostructures in the high carrier density limit. *Physical Review B*, **2016**, 93,	3.3	10
308	Origin of the Spin-Orbital Liquid State in a Nearly J=0 Iridate Ba_{3}ZnIr_{2}O_{9}. *Physical Review Letters*, **2016**, 116, 097205	7.4	38

307	Electrochemical Energy Storage: The Indian Scenario. *ACS Energy Letters*, **2016**, 1, 1162-1164	20.1	3
306	Unusual Dirac Fermions on the Surface of a Noncentrosymmetric BiPd Superconductor. *Physical Review Letters*, **2016**, 117, 177001	7.4	16
305	Organization dependent collective magnetic properties of secondary nanostructures with differential spatial ordering and magnetic easy axis orientation. *Journal of Magnetism and Magnetic Materials*, **2016**, 408, 127-136	2.8	7
304	Is CH3NH3PbI3 Polar?. *Journal of Physical Chemistry Letters*, **2016**, 7, 2412-9	6.4	116
303	Electrical and Plasmonic Properties of Ligand-Free Sn(4+) -Doped In2 O3 (ITO) Nanocrystals. *ChemPhysChem*, **2016**, 17, 710-6	3.2	8
302	Depth Profiling and Internal Structure Determination of Low Dimensional Materials Using X-ray Photoelectron Spectroscopy. *Springer Series in Surface Sciences*, **2016**, 309-339	0.4	0
301	Dielectric investigation of high-k yttrium copper titanate thin films. *Journal of Materials Chemistry C* , **2016**, 4, 1080-1087	7.1	12
300	Electron and hole doping in the relativistic Mott insulator Sr2IrO4: A first-principles study using band unfolding technique. *Physical Review B*, **2016**, 94,	3.3	23
299	Room-temperature dynamic correlation between methylammonium molecules in lead-iodine based perovskites: An ab initio molecular dynamics perspective. *Physical Review B*, **2016**, 94,	3.3	51
298	Investigation of high-kyttrium copper titanate thin films as alternative gate dielectrics. *Journal Physics D: Applied Physics*, **2016**, 49, 405303	3	3
297	Chemical Tailoring of Band Offsets at the Interface of ZnSeCdS Heterostructures for Delocalized Photoexcited Charge Carriers. *Journal of Physical Chemistry C*, **2016**, 120, 10118-10128	3.8	12
296	Substrate Integrated NickelIron Ultrabattery with Extraordinarily Enhanced Performances. *ACS Energy Letters*, **2016**, 1, 82-88	20.1	26
295	Physics of Ultrathin Films and Heterostructures of Rare-Earth Nickelates. *Annual Review of Materials Research*, **2016**, 46, 305-334	12.8	169
294	Electronic Structure of CH3NH3PbX3 Perovskites: Dependence on the Halide Moiety. *Journal of Physical Chemistry C*, **2015**, 119, 1818-1825	3.8	105
293	Efficient solid-state light-emitting CuCdS nanocrystals synthesized in air. *Angewandte Chemie - International Edition*, **2015**, 54, 2643-8	16.4	22
292	Probing complex heterostructures using hard X-ray photoelectron spectroscopy (HAXPES). *Journal of Electron Spectroscopy and Related Phenomena*, **2015**, 200, 332-339	1.7	8
291	First-principles study of the influence of different interfaces and core types on the properties of CdSe/CdS core-shell nanocrystals. *Scientific Reports*, **2015**, 5, 10865	4.9	18
290	Status of the crystallography beamlines at Elettra. *European Physical Journal Plus*, **2015**, 130, 1	3.1	108

289	Electronic structure origin of conductivity and oxygen reduction activity changes in low-level Cr-substituted (La,Sr)MnO3. *Journal of Chemical Physics*, **2015**, 143, 114705	3.9	3
288	Role of boron diffusion in CoFeB/MgO magnetic tunnel junctions. *Physical Review B*, **2015**, 91,	3.3	34
287	Neutron powder diffraction study of Ba3ZnRu2-xIrxO9 (x□=□0, 1, 2) with 6H-type perovskite structure. *Solid State Sciences*, **2015**, 50, 58-64	3.4	10
286	Enhanced photocatalytic efficiency of AuPd nanoalloy decorated ZnO-reduced graphene oxide nanocomposites. *RSC Advances*, **2015**, 5, 8918-8928	3.7	37
285	Amorphous WSN thin films: The atomic structure behind ultra-low friction. *Acta Materialia*, **2015**, 82, 84-93	8.4	28
284	Anisotropic magnetic couplings and structure-driven canted to collinear transitions in Sr2IrO4 by magnetically constrained noncollinear DFT. *Physical Review B*, **2015**, 92,	3.3	55
283	Influence of dimensionality and interface type on optical and electronic properties of CdS/ZnS core-shell nanocrystals--A first-principles study. *Journal of Chemical Physics*, **2015**, 143, 164701	3.9	7
282	Selective growth of single phase VO2(A, B, and M) polymorph thin films. *APL Materials*, **2015**, 3, 026101	5.7	63
281	Electronic Structure Evolution across the Peierls Metal-Insulator Transition in a Correlated Ferromagnet. *Physical Review X*, **2015**, 5,	9.1	8
280	Magnetoresistance and electroresistance effects in Fe3O4 nanoparticle system. *Journal of Experimental Nanoscience*, **2014**, 9, 391-397	1.9	11
279	Local disorder investigation in NiS(2-x)Se(x) using Raman and Ni K-edge x-ray absorption spectroscopies. *Journal of Physics Condensed Matter*, **2014**, 26, 452201	1.8	13
278	Current rectification by a single ZnS nanorod probed using a scanning tunneling microscopic technique. *Journal of Materials Chemistry C*, **2014**, 2, 1158	7.1	7
277	Throwing light on platinized carbon nanostructured composites for hydrogen generation. *Energy and Environmental Science*, **2014**, 7, 4087-4094	35.4	12
276	Modulation of glyceraldehyde-3-phosphate dehydrogenase activity by surface functionalized quantum dots. *Physical Chemistry Chemical Physics*, **2014**, 16, 5276-83	3.6	17
275	Determination of Internal Structures of Heterogeneous Nanocrystals Using Variable-Energy Photoemission Spectroscopy. *Journal of Physical Chemistry C*, **2014**, 118, 15534-15540	3.8	15
274	STM verification of the reduction of the Young's modulus of CdS nanoparticles at smaller sizes. *Surface Science*, **2014**, 630, 89-95	1.8	9
273	Beyond the "coffee ring": re-entrant ordering in an evaporation-driven self-assembly in a colloidal suspension on a substrate. *Journal of Physical Chemistry B*, **2014**, 118, 2559-67	3.4	8
272	Observation of magnetically hard grain boundaries in double-perovskite Sr 2 FeMoO 6. *Europhysics Letters*, **2014**, 108, 27003	1.6	7

271	Rainbow Emission from an Atomic Transition in Doped Quantum Dots. *Journal of Physical Chemistry Letters*, **2014**, 5, 2208-13	6.4	46
270	Reentrant Superspin Glass Phase in a La0.82Ca0.18MnO3 Ferromagnetic Insulator. *Physical Review X*, **2014**, 4,	9.1	15
269	Robust dielectric properties of B-site size-disordered hexagonal Ln2CuTiO6 (Ln = Y, Dy, Ho, Er, and Yb). *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2014**, 32, 03D118	1.3	1
268	Electronic band structure and Fermi surfaces of the quasi-two-dimensional monophosphate tungsten bronze, P 4 W 12 O 44. *Europhysics Letters*, **2014**, 105, 47003	1.6	4
267	Microscopic description of the evolution of the local structure and an evaluation of the chemical pressure concept in a solid solution. *Physical Review B*, **2014**, 89,	3.3	17
266	Microscopic origin of low frequency noise in MoS2 field-effect transistors. *APL Materials*, **2014**, 2, 092515	5.7	51
265	NaOsO3: A high Neel temperature 5d oxide. *Physical Review B*, **2014**, 89,	3.3	14
264	A charge self-consistent LDA+DMFT study of the spectral properties of hexagonal NiS. *New Journal of Physics*, **2014**, 16, 093049	2.9	1
263	Near-room-temperature colossal magnetodielectricity and multiglass properties in partially disordered La2NiMnO6. *Physical Review Letters*, **2012**, 108, 127201	7.4	303
262	Advances in Light-Emitting Doped Semiconductor Nanocrystals. *Journal of Physical Chemistry Letters*, **2011**, 2, 2818-2826	6.4	209
261	Highly Luminescent Mn-Doped ZnS Nanocrystals: Gram-Scale Synthesis. *Journal of Physical Chemistry Letters*, **2010**, 1, 1454-1458	6.4	184
260	Supramolecular control of the magnetic anisotropy in two-dimensional high-spin Fe arrays at a metal interface. *Nature Materials*, **2009**, 8, 189-93	27	242
259	To dope Mn2+ in a semiconducting nanocrystal. *Journal of the American Chemical Society*, **2008**, 130, 10605-11	16.4	217
258	White Light from Mn2+-Doped CdS Nanocrystals: A New Approach. *Journal of Physical Chemistry C*, **2007**, 111, 13641-13644	3.8	136
257	White-light emission from a blend of CdSeS nanocrystals of different Se:S ratio. *Nanotechnology*, **2007**, 18, 075401	3.4	63
256	Synthesis of ZnSe quantum dots and ZnSe-ZnS core/shell nanostructures. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 1960-4	1.3	8
255	Theoretical study of doped Tl2Mn2O7 and Tl2Mn2O7 under pressure. *Physical Review B*, **2007**, 75,	3.3	1
254	Synthesis of CdSe nanocrystals in a noncoordinating solvent: effect of reaction temperature on size and optical properties. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 1965-8	1.3	22

253	XAFS study on Sr2FeMoxW1−xO6 double perovskite series. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 126, 226-229	3.1	1
252	BF3-doped polyaniline: A novel conducting polymer **2006**, 67, 135-139		7
251	A microspectroscopic study of the electronic homogeneity of ordered and disordered Sr2FeMoO6. *Journal of Chemical Sciences*, **2006**, 118, 87-92	1.8	2
250	Electronic phase separation in correlated oxides: the phenomenon, its present status and future prospects. *ChemPhysChem*, **2006**, 7, 2053-9	3.2	67
249	Origin of ferromagnetism and its pressure and doping dependence in Tl2Mn2O7. *Physical Review Letters*, **2006**, 96, 087205	7.4	14
248	Angle-resolved photoemission spectroscopy of the insulating NaxWO3: Anderson localization, polaron formation, and remnant Fermi surface. *Physical Review Letters*, **2006**, 96, 147603	7.4	31
247	Understanding the bulk electronic structure of Ca1−xSrxVO3. *Physical Review B*, **2006**, 73,	3.3	57
246	X-ray photoelectron spectroscopy of superconducting RuSr2Eu1.5Ce0.5Cu2O10 and nonsuperconducting RuSr2EuCeCu2O10. *Physical Review B*, **2006**, 74,	3.3	12
245	Electron-spectroscopic investigation of the metal-insulator transition in Sr2Ru1−xTixO4 (x=0−0.6). *Physical Review B*, **2006**, 73,	3.3	13
244	Blue emitting polyaniline. *Chemical Communications*, **2006**, 2681-3	5.8	13
243	Blue-emitting copper-doped zinc oxide nanocrystals. *Journal of Physical Chemistry B*, **2006**, 110, 22310-2	3.4	69
242	Transport and magnetic properties of conducting polyaniline doped with BX3 (X=F, Cl, and Br). *Physical Review B*, **2006**, 73,	3.3	11
241	Unraveling internal structures of highly luminescent PbSe nanocrystallites using variable-energy synchrotron radiation photoelectron spectroscopy. *Journal of Physical Chemistry B*, **2006**, 110, 15244-50	3.4	46
240	Structural and magnetic properties of Sr2Fe1+xMo1−xO6 (0?x?0.25). *Physical Review B*, **2006**, 73,	3.3	80
239	Local structure and magneto-transport in Sr2FeMoO6 oxides. *Nuclear Instruments & Methods in Physics Research B*, **2006**, 246, 189-193	1.2	5
238	Quantitative structural refinement of Mn K edge XANES in LaMnO3 and CaMnO3 perovskites. *Nuclear Instruments & Methods in Physics Research B*, **2006**, 246, 158-164	1.2	10
237	Study of the growth of capped ZnO nanocrystals: a route to rational synthesis. *Chemistry - A European Journal*, **2005**, 12, 180-6	4.8	73
236	Fabrication of cerium-doped LaNiO3 thin films on LaAlO3 (100) substrate by pulsed laser deposition. *Journal of Applied Physics*, **2005**, 98, 093527	2.5	9

235	Local structure in LaMnO3 and CaMnO3 perovskites: A quantitative structural refinement of Mn K-edge XANES data. *Physical Review B*, **2005**, 72,	3.3	32
234	Emission properties of manganese-doped ZnS nanocrystals. *Journal of Physical Chemistry B*, **2005**, 109, 1663-8	3.4	219
233	Electronic structure of and quantum size effect in III-V and II-VI semiconducting nanocrystals using a realistic tight binding approach. *Physical Review B*, **2005**, 72,	3.3	74
232	ELECTRONIC STRUCTURE OF SEMICONDUCTOR NANOCRYSTALS: AN ACCURATE TIGHT-BINDING DESCRIPTION. *International Journal of Nanoscience*, **2005**, 04, 893-899	0.6	
231	Angle-resolved photoemission spectroscopy of the metallic sodium tungsten bronzes NaxWO3. *Physical Review B*, **2005**, 72,	3.3	19
230	Strong electron correlation of Re 5d electrons in Ca2FeReO6. *Journal of Electron Spectroscopy and Related Phenomena*, **2005**, 144-147, 337-339	1.7	3
229	Electronic structure of early transition metal oxides, Ca1−SrxVO3 and La1−CaxVO3: What can we learn from photoelectron spectroscopy. *Thin Solid Films*, **2005**, 486, 162-169	2.2	1
228	Simultaneous control of nanocrystal size and nanocrystal-nanocrystal separation in CdS nanocrystal assembly **2005**, 65, 565-570		52
227	Sr2FeMoO6: A Prototype to Understand a New Class of Magnetic Materials. *Hyperfine Interactions*, **2005**, 160, 67-79	0.8	3
226	Electronic structure of Ca3CoXO6 (X=Co, Rh, Ir) studied by x-ray photoemission spectroscopy. *Physical Review B*, **2005**, 71,	3.3	67
225	Self-organization of polyaniline nanorods: Towards achieving a higher conductivity. *Applied Physics Letters*, **2005**, 87, 093117	3.4	14
224	Spin-flop ordering from frustrated ferro- and antiferromagnetic interactions: a combined theoretical and experimental study of a Mn/Fe(100) monolayer. *Physical Review Letters*, **2005**, 95, 117201	7.4	26
223	Magnetic properties of doped II-VI semiconductor nanocrystals. *Journal of Nanoscience and Nanotechnology*, **2005**, 5, 1503-8	1.3	16
222	Direct observation of large electronic domains with memory effect in doped manganites. *Physical Review Letters*, **2004**, 93, 097202	7.4	81
221	Surface and bulk electronic structure of La1−CaxVO3. *Physical Review B*, **2004**, 70,	3.3	29
220	X-ray absorption spectroscopy of transition-metal doped diluted magnetic semiconductors Zn1−MxO. *Journal of Applied Physics*, **2004**, 95, 3573-3575	2.5	51
219	Optimization of a low-energy, high brightness electron gun for inverse photoemission spectrometers. *Review of Scientific Instruments*, **2004**, 75, 1020-1025	1.7	5
218	Understanding the quantum size effects in ZnO nanocrystals. *Journal of Materials Chemistry*, **2004**, 14, 661		273

217	NOVEL SPINTRONIC MATERIALS BASED ON FERROMAGNETIC SEMICONDUCTOR CHALCOPYRITES. *International Journal of Nanoscience*, **2004**, 03, 39-50	0.6	7
216	Synthesis and Characterization of Mn-Doped ZnO Nanocrystals. *Journal of Physical Chemistry B*, **2004**, 108, 6303-10	3.4	248
215	Unusual directional dependence of exchange energies in GaAs diluted with Mn: is the RKKY description relevant?. *Physical Review Letters*, **2004**, 93, 177201	7.4	133
214	Evolution of the electronic structure with size in II-VI semiconductor nanocrystals. *Physical Review B* , **2004**, 69,	3.3	266
213	An accurate description of quantum size effects in InP nanocrystallites over a wide range of sizes. *Journal Physics D: Applied Physics*, **2003**, 36, 1595-1598	3	17
212	Electron spectroscopic investigation of metal-insulator transition in Ce1-xSrxTiO3. *Journal of Chemical Sciences*, **2003**, 115, 491-498	1.8	
211	Novel Mn-doped chalcopyrites. *Journal of Physics and Chemistry of Solids*, **2003**, 64, 1461-1468	3.9	37
210	Metal-insulator crossover behavior at the surface of NiS2. *Physical Review B*, **2003**, 67,	3.3	24
209	Pressure tuning of electron-phonon coupling: the insulator to metal transition in manganites. *Physical Review Letters*, **2003**, 91, 175501	7.4	70
208	In situ photoemission study of the room temperature ferromagnet ZnGeP2:Mn. *Physical Review Letters*, **2003**, 91, 107202	7.4	27
207	X-ray photoemission study of NiS2□Sex (x=0.01.2). *Physical Review B*, **2003**, 68,	3.3	18
206	Magnetic study of an amorphous conducting polyaniline. *Applied Physics Letters*, **2003**, 82, 1733-1735	3.4	18
205	Strong correlation effects in the electronic structure of Sr2FeMoO6. *Physical Review B*, **2003**, 67,	3.3	23
204	Remarkable thermal stability of BF3-doped polyaniline. *Applied Physics Letters*, **2003**, 83, 2348-2350	3.4	9
203	Optical and magnetic properties of manganese-doped zinc sulfide nanoclusters. *Journal of Nanoscience and Nanotechnology*, **2003**, 3, 392-400	1.3	38
202	Mössbauer Study of La1□ Ca x Mn1□ 57Fe y O3 with x=0,0.25; y=0.01. *Hyperfine Interactions*, **2002** , 139/140, 623-629	0.8	1
201	Spectroscopic investigation of the electronic structure of the hole-doped one-dimensional cuprates Ca2CuO3 and Sr2CuO3. *Physical Review B*, **2002**, 65,	3.3	6
200	Electronic structure of millerite NiS. *Physical Review B*, **2002**, 66,	3.3	41

199	Electronic structure of In1−xMnxAs studied by photoemission spectroscopy: Comparison with Ga1−xMnxAs. *Physical Review B*, **2002**, 65,	3.3	52
198	Local structure of hole-doped manganites: influence of temperature and applied magnetic field. *Journal of Physics Condensed Matter*, **2002**, 14, 1967-1974	1.8	23
197	Realistic tight-binding model for the electronic structure of II-VI semiconductors. *Physical Review B*, **2002**, 66,	3.3	73
196	Influence of Quantum Confinement on the Electronic and Magnetic Properties of (Ga,Mn)As Diluted Magnetic Semiconductor. *Nano Letters*, **2002**, 2, 605-608	11.5	89
195	Difference in spin state and covalence between La1−xSr CoO3 and La2−xSr Li0.5Co0.5O4. *Journal of Alloys and Compounds*, **2002**, 343, 5-13	5.7	34
194	Properties of a new magnetic material: Sr2FeMoO6. *Journal of Chemical Sciences*, **2001**, 113, 515-525	1.8	9
193	Dynamics of the low temperature inhomogeneous phase in manganese perovskites. *Solid State Communications*, **2001**, 120, 317-320	1.6	9
192	Synthesis and Spectroscopic Characterization of Highly Conducting BF3-Doped Polyaniline. *Advanced Materials*, **2001**, 13, 1548	24	41
191	Electronic structure of Ca 1 −x Sr x VO 3 : A tale of two energy scales. *Europhysics Letters*, **2001**, 55, 246-252	1.6	93
190	Electronic structure of and covalency driven metal-insulator transition in BaCo1−xNixS2. *Physical Review B*, **2001**, 63,	3.3	11
189	Ab initio study of disorder effects on the electronic and magnetic structure of Sr2FeMoO6. *Physical Review B*, **2001**, 64,	3.3	105
188	Infrared study of charge delocalization induced by pressure in the La0.75Ca0.25MnO3 manganite. *Physical Review B*, **2001**, 63,	3.3	31
187	Spin, charge, and orbital ordering in La0.5Sr1.5Mno4. *Physical Review Letters*, **2001**, 87, 066404	7.4	59
186	Anomalous high pressure dependence of the Jahn-Teller phonon in La(0.75)Ca(0.25)MnO(3). *Physical Review Letters*, **2001**, 86, 1251-4	7.4	83
185	High-pressure structure and electronic transport in hole-doped La3/4Ca1/4MnO3 perovskites. *Physical Review B*, **2001**, 65,	3.3	61
184	Photoemission spectroscopy of size selected zinc sulfide nanocrystallites. *Journal of Applied Physics* , **2001**, 90, 2504-2510	2.5	69
183	Electronic and magnetic structures of Sr(2)FeMoO(6). *Physical Review Letters*, **2001**, 87, 097204	7.4	98
182	Blue emission from cysteine ester passivated cadmium sulfide nanoclusters. *Chemical Communications*, **2001**, 2188-9	5.8	55

181	A new class of magnetic materials: Sr2FeMoO6 and related compounds. *Current Opinion in Solid State and Materials Science*, **2001**, 5, 261-268	12	147
180	Transport and magnetic properties of Sr2FeMoxW1-xO6. *Journal of Physics Condensed Matter*, **2001**, 13, 607-616	1.8	53
179	Electronic Band Structure of Cadmium Chromium Chalcogenide Spinels: CdCr2S4 and CdCr2Se4. *Journal of Solid State Chemistry*, **2000**, 155, 198-205	3.3	23
178	Magnetoresistance in ordered and disordered double perovskite oxide, Sr2FeMoO6. *Solid State Communications*, **2000**, 114, 465-468	1.6	207
177	DYNAMICS AND LOCAL STRUCTURE OF COLOSSAL MAGNETORESISTANCE MANGANITES. *International Journal of Modern Physics B*, **2000**, 14, 2725-2730	1.1	6
176	Electronic structure of NiS1□Sex. *Physical Review B*, **2000**, 61, 16370-16376	3.3	11
175	Calculation of x-ray-absorption spectra of strongly correlated systems. *Physical Review B*, **2000**, 61, 7402-7408	3.3	18
174	Spectroscopic investigations of the electronic structure and metal-insulator transitions in a Mott-Hubbard system La1□CaxVO3. *Physical Review B*, **2000**, 61, 2525-2534	3.3	61
173	Size-Selected Zinc Sulfide Nanocrystallites: Synthesis, Structure, and Optical Studies. *Chemistry of Materials*, **2000**, 12, 1018-1024	9.6	326
172	Electronic structure of Sr2FeMoO6. *Physical Review Letters*, **2000**, 85, 2549-52	7.4	448
171	Metal-insulator transition in a degenerate Hubbard model. *Physical Review B*, **1999**, 59, 1739-1742	3.3	4
170	Evolution of electronic structure with dimensionality in divalent nickelates. *Physical Review B*, **1999**, 59, 12457-12470	3.3	36
169	Magnetocaloric effect in La1□SrxCoO3 (0.05?x?0.40). *Journal of Magnetism and Magnetic Materials*, **1999**, 202, 47-52	2.8	33
168	Electronic Structure of Vacancy Ordered Spinels, GaMo4S8 and GaV4S8, from ab Initio Calculations. *Journal of Solid State Chemistry*, **1999**, 148, 143-149	3.3	16
167	Coupling of Small Lattice Polarons to Magnetic Field in Magnetoresistive Manganites. *Physica Status Solidi (B): Basic Research*, **1999**, 215, 647-652	1.3	16
166	Dual function hybrid polymer-nanoparticle devices. *Applied Physics Letters*, **1999**, 74, 871-873	3.4	36
165	Photoelectron spectroscopic study of CdS nanocrystallites. *Physical Review B*, **1999**, 59, 7473-7479	3.3	150
164	Comparative study of the L23□M45M45 Auger decay in CuO and Cu using synchrotron radiation. *Journal of Electron Spectroscopy and Related Phenomena*, **1998**, 93, 181-188	1.7	10

163	Unoccupied electronic states in NiS2−xSex across the metal-insulator transition. *Physical Review B*, **1998**, 57, 6984-6988	3.3	6
162	Photoemission study of the metal-insulator transition in NiS2−xSex. *Physical Review B*, **1998**, 58, 9611-9614	3.3	12
161	Sizable photocurrent and emission from solid state devices based on CdS nanoparticles. *Applied Physics Letters*, **1998**, 72, 1335-1337	3.4	57
160	Electronic structure of Y2−xCaxBaNiO5 from photoemission and inverse photoemission. *Physical Review B*, **1998**, 58, 9746-9751	3.3	26
159	Evolution of Spectral Function in a Doped Mott Insulator: Surface vs Bulk Contributions. *Physical Review Letters*, **1998**, 80, 2885-2888	7.4	81
158	Electronic Structure of NiS1−xSex across the Phase Transition. *Physical Review Letters*, **1998**, 80, 1284-1287	7.4	19
157	Disorder Effects in Electronic Structure of Substituted Transition Metal Compounds. *Physical Review Letters*, **1998**, 80, 4004-4007	7.4	71
156	Auger Transition from Orbitally Degenerate Systems: Effects of Screening and Multielectron Excitations. *Physical Review Letters*, **1998**, 81, 1658-1661	7.4	8
155	Electronic structure of one-dimensional cuprates. *Physical Review B*, **1998**, 57, 1572-1578	3.3	36
154	Electronic structure of electron doped SrTiO3: SrTiO3−δand Sr1−xLaxTiO3. *Physical Review B*, **1998**, 57, 2153-2158	3.3	176
153	Optical and Electronic Properties of Conjugated Polymer-Nanocluster Semiconductor Hybrid Systems. *Materials Research Society Symposia Proceedings*, **1998**, 519, 265		
152	Doping dependence of transport and magnetic properties in. *Journal of Physics Condensed Matter*, **1997**, 9, 7507-7514	1.8	18
151	Temperature dependence of non-Debye disorder in doped manganites. *Physical Review B*, **1997**, 56, 3520-3523	3.3	30
150	Electronic and magnetic transitions in a multiband model for La2NiO4. *Physical Review B*, **1997**, 55, 9203-9206	3.3	12
149	Temperature-dependent valence-band photoemission spectra of La1−xSrxMnO3. *Physical Review B*, **1997**, 56, 8836-8840	3.3	50
148	Evolution of Spectral Functions in Doped Transition Metal Oxides. *International Journal of Modern Physics B*, **1997**, 11, 3849-3857	1.1	16
147	Electronic structure of and fromab initiospin-polarized calculations. *Journal of Physics Condensed Matter*, **1997**, 9, 3129-3138	1.8	25
146	Electronic structure of one-dimensional cuprate, Sr 2 CuO 3. *Europhysics Letters*, **1997**, 37, 359-364	1.6	30

145	Spin and Charge Density Waves in the Extended Hubbard Model: A Slave Boson Approach. *International Journal of Modern Physics B*, **1997**, 11, 2057-2074	1.1	6
144	Theoretical analysis of x-ray-absorption near-edge fine structure at the O and metal K edges of LaFeO3 and LaCoO3. *Physical Review B*, **1997**, 56, 2228-2233	3.3	43
143	Correlation satellite driven by reduced dimensionality. *Europhysics Letters*, **1997**, 39, 429-434	1.6	33
142	Photoemission study of pyrite-type transition-metal chalcogenides MS2□Sex (M?Fe, Co, Ni). *Physica B: Condensed Matter*, **1997**, 237-238, 390-391	2.8	8
141	Spectral functions in doped transition metal oxides. *Europhysics Letters*, **1996**, 36, 307-312	1.6	52
140	Cu 2pCore-Level Photoemission Spectrum ofSr2CuO3. *Journal of the Physical Society of Japan*, **1996**, 65, 1844-1848	1.5	41
139	Low-temperature electrical conductivity of. *Journal of Physics Condensed Matter*, **1996**, 8, L631-L636	1.8	34
138	Electronic excitation spectra from ab initio band-structure results for LaMO3 (M=Cr,Mn,Fe,Co,Ni). *Physical Review B*, **1996**, 54, 1622-1628	3.3	52
137	Studies on BaO particles in nanosize regime. *Scripta Materialia*, **1996**, 7, 557-564		4
136	Temperature-dependent photoemission spectral weight in La0.6Sr0.4MnO3. *Physical Review B*, **1996**, 53, 6873-6876	3.3	100
135	Electronic structure of early 3d-transition-metal oxides by analysis of the 2p core-level photoemission spectra. *Physical Review B*, **1996**, 53, 1161-1170	3.3	280
134	Estimate of Mixed-Valency in Transition Metal Oxides from Core Level Photoemission Spectroscopy. *Journal of the Physical Society of Japan*, **1996**, 65, 1325-1328	1.5	6
133	Magnetic quantum size effects in Cu films on Co(100). *Journal of Magnetism and Magnetic Materials*, **1996**, 156, 259-260	2.8	8
132	Novel spectralevolution with electron doping in d0 transition metal oxides. *Physica B: Condensed Matter*, **1996**, 223-224, 496-500	2.8	4
131	Disorder induced effects on electronic structure of transition metal oxides. *Journal of Electron Spectroscopy and Related Phenomena*, **1996**, 78, 37-42	1.7	2
130	Magnetic and finite size effects in Cu films on Co(100). *Solid State Communications*, **1996**, 100, 749-753	1.6	16
129	Evidence for correlation effects in Sr2RuO4 from resonant and x-ray photoemission spectroscopy. *Physical Review B*, **1996**, 53, 8151-8154	3.3	43
128	Estimates of electronic interaction parameters for LaMO3 compounds (M=Ti-Ni) from ab initio approaches. *Physical Review B*, **1996**, 54, 11199-11206	3.3	39

127	Investigation of hole-doped insulating La1-xSrxCrO3 by soft-x-ray absorption spectroscopy. *Physical Review B*, **1996**, 53, 13369-13373	3.3	12
126	Electronic structure of La1-xSrxCrO3. *Physical Review B*, **1996**, 54, 7816-7822	3.3	31
125	Order-disorder and electronic transitions in Ag2+ delta S single crystals studied by photoemission spectroscopy. *Physical Review B*, **1996**, 53, 3746-3751	3.3	10
124	Low temperature linear magnetic field sensor based on magnetoresistance of the perovskite oxide La□Sr□Co□. *Review of Scientific Instruments*, **1995**, 66, 3071-3072	1.7	10
123	Electronic structures of gallium and indium across the solid-liquid transition. *Physical Review B*, **1995**, 51, 4007-4013	3.3	33
122	The large magnetoresistance of La1-xSrxCoO3at low temperatures. *Journal of Physics Condensed Matter*, **1995**, 7, L561-L565	1.8	56
121	Large magnetoresistance in La1□SrxMnO3 and its dependence on magnetization. *Applied Physics Letters*, **1995**, 66, 233-235	3.4	71
120	Dielectric function and optical conductivity of TiOx (0.8. *Physical Review B*, **1995**, 52, 14526-14530	3.3	16
119	Band theory for ground-state properties and excitation spectra of perovskite LaMO3 (M=Mn, Fe, Co, Ni). *Physical Review Letters*, **1995**, 75, 1126-1129	7.4	252
118	Photoelectron-spectroscopy investigation of the spin-state transition in LaCoO3. *Physical Review B*, **1994**, 49, 13979-13982	3.3	44
117	Covalency-driven unusual metal-insulator transition in nickelates. *Physical Review B*, **1994**, 49, 8475-8478	3.3	96
116	Contrasting behavior of homovalent-substituted and hole-doped systems: O K-edge spectra from LaNi1-xMxO3 (M=Mn, Fe, and Co) and La1-xSrxMnO3. *Physical Review B*, **1994**, 49, 14238-14243	3.3	74
115	Methanol oxidation on carbon-supported platinum-tin electrodes in sulfuric acid. *Journal of Power Sources*, **1994**, 50, 295-309	8.9	74
114	Electronic Structures of Perovskite Oxides of Transition Metals of the Type LaMO3 (M = Ti-Ni) as Revealed by MSX□nvestigations. *Journal of Solid State Chemistry*, **1994**, 110, 393-396	3.3	7
113	Electronic Structure of Perovskite Oxides, LaMO3 (M = Ti-Ni), from High-Energy Electron Spectroscopic Investigations. *Journal of Solid State Chemistry*, **1994**, 111, 208-216	3.3	32
112	Resonant photoemission studies of the magnetic-nonmagnetic U(Sn,In)3 system. *Physica B: Condensed Matter*, **1994**, 199-200, 622-624	2.8	3
111	Electro-oxidation of Methanol in Sulfuric Acid Electrolyte on Platinized-Carbon Electrodes with Several Functional-Group Characteristics. *Journal of the Electrochemical Society*, **1994**, 141, 1517-1522	3.9	94
110	Electronic structure of TiOx (0.8. *Physical Review B*, **1994**, 49, 16141-16148	3.3	37

109	Electronic structure and the metal-insulator transition in LnNiO3(Ln=La, Pr, Nd, Sm and Ho): bandstructure results. *Journal of Physics Condensed Matter*, **1994**, 6, 10467-10474	1.8	29
108	Origin of the insulating state in NaCuO2. *Journal of Chemical Sciences*, **1994**, 106, 393-405	1.8	2
107	Electronic structure of La1-xSrxFeO3. *Physical Review B*, **1993**, 48, 14818-14825	3.3	83
106	Analysis of the Ce 3d-4d4d Auger spectrum with the use of synchrotron radiation. *Physical Review B* , **1993**, 47, 4853-4857	3.3	7
105	Electron spectroscopic investigation of the semiconductor-metal transition in La1-xSrxMnO3. *Physical Review B*, **1993**, 47, 15397-15403	3.3	181
104	Analysis of the Gd 4d-XY Auger spectrum using synchrotron radiation. *Physical Review B*, **1993**, 47, 9199-9202	3.3	1
103	Mean-field results of the multiple-band extended Hubbard model for the square-planar CuO2 lattice. *Physical Review B*, **1993**, 48, 7355-7363	3.3	37
102	Importance of dynamical effects in determining the Auger spectral shape: L23-M45M45 spectra of Fe, Co, and Cu. *Physical Review B*, **1993**, 48, 6822-6831	3.3	41
101	Electronic structure of NaCuO2. *Physical Review B*, **1993**, 47, 10927-10930	3.3	19
100	An X-ray photoelectron spectroscopic study on platinised carbons with varying functional-group characteristics. *Journal of Electroanalytical Chemistry*, **1993**, 352, 337-343	4.1	11
99	Electrical resistivity anomalies in the perovskites La1−xSrxMnO3. *Physica B: Condensed Matter*, **1993** , 186-188, 995-997	2.8	12
98	Comment on "Variation of Cu-O charge-transfer energies in YBa2Cu3O7-x thin films studied by photoemission spectroscopy". *Physical Review B*, **1992**, 45, 10814-10815	3.3	6
97	Photoemission study of porous silicon. *Applied Physics Letters*, **1992**, 61, 1655-1657	3.4	32
96	Electron-spectroscopy study of the semiconductor-metal transition in La1-xSrxCoO3. *Physical Review B*, **1992**, 46, 9976-9983	3.3	256
95	Electronic Structure of and the Metal-Insulator Transition in La 1- x Sr x CoO 3-δ A Soft-X-Ray Absorption Study. *Europhysics Letters*, **1992**, 19, 513-518	1.6	27
94	Resolution of the NegativeUProblem in Early Transition Metals: A Reinterpretation of theLVVAuger Spectra. *Physica Scripta*, **1992**, T41, 184-186	2.6	16
93	Investigation of the L3-M45M45Auger spectra of Cu, Cu2O and CuO. *Journal of Physics Condensed Matter*, **1992**, 4, 7607-7616	1.8	28
92	Metal-insulator transitions in metal clusters: a high-energy spectroscopy study of palladium and silver clusters. *The Journal of Physical Chemistry*, **1992**, 96, 8679-8682		86

91	Spectroscopic studies on quantum dots of PbI2. *Spectrochimica Acta Part A: Molecular Spectroscopy*, **1992**, 48, 1779-1787		13
90	Electronic structure of high-T c superconductors and related compounds **1992**, 38, L531-L538		39
89	Synchrotron Study of the Dynamical Effects in theLVVAuger Transitions in the First-Row Transition Elements. *Physica Scripta*, **1992**, T41, 187-189	2.6	4
88	Origin of nonmetallicity in PrBa2Cu3O7 from a study of Gd1PrxBa2Cu3O7 using soft x-ray absorption at the oxygen K-edge. *Solid State Communications*, **1991**, 77, 377-379	1.6	32
87	Spectroscopic evidence for the removal of mobile holes on Fe doping in YBa2Cu3-xFexO7-*Solid State Communications*, **1991**, 77, 381-383	1.6	5
86	Dominant role of the Cu?O charge-transfer energy, electronic polarizability and associated factors in the superconductivity of cuprates. *Solid State Communications*, **1991**, 77, 709-711	1.6	7
85	Calculated oxygen 1s core-level photoemission spectra from cuprate superconductors **1991**, 37, 135-140		3
84	Relation between the electronic structure and the superconductivity of cuprates as revealed by Cu 2p photoemission and theoretical investigations. *Physical Review B*, **1991**, 43, 5612-5615	3.3	19
83	Comment on "X-ray-photoelectron diffraction from a free-electron-metal valence band: Evidence for hole-state localization". *Physical Review Letters*, **1991**, 66, 2834	7.4	8
82	Sarma et al. reply. *Physical Review Letters*, **1991**, 66, 967	7.4	24
81	Electronic structure and bonding properties in TiSi2. *European Physical Journal B*, **1990**, 78, 423-430	1.2	33
80	Electronic structure of transition metal compounds: Photoemission experiments and model Hamiltonian calculations. *Journal of Solid State Chemistry*, **1990**, 88, 45-52	3.3	36
79	X-ray emission and absorption studies of silicides in relation to their electronic structure. *Physica Scripta*, **1990**, 41, 629-633	2.6	23
78	Systematics in the oxygen 1s core-level photoemission spectra from metal oxides: Model calculations. *Physical Review B*, **1990**, 41, 6688-6691	3.3	7
77	Analysis of the core-level photoemission spectra of the superconducting cuprates: Evidence for a strongly mixed-valent state. *Physical Review B*, **1990**, 42, 6817-6819	3.3	28
76	Role of the Cu-O charge-transfer energy in the superconductivity of cuprates: Evidence from Cu 2p core-level spectroscopy and theory. *Physical Review B*, **1990**, 42, 1026-1028	3.3	21
75	High-energy spectroscopic study of YBa2Cu2.7Fe0.3O6.9 with photon energy near the O 1s threshold. *Physical Review B*, **1989**, 39, 12387-12390	3.3	10
74	Hole pairing within an extended Anderson impurity model applicable to the high-Tc cuprates. *Physical Review B*, **1989**, 39, 12286-12289	3.3	3

73	Photoemission and inverse photoemission of transition-metal silicides. *Physical Review B*, **1989**, 39, 6008-6016	3.3	92
72	Synchrotron-radiation study of the satellites in Ni L3-M4,5M4,5 Auger spectra. *Physical Review B*, **1989**, 40, 12542-12545	3.3	27
71	Electronic structure of high-Tc cuprates from core-level photoemission spectroscopy. *Physical Review B*, **1989**, 39, 11570-11574	3.3	23
70	Origin of Cu and Zn L2- and L3-M45M45 Auger satellites: Breakdown of the sudden approximation. *Physical Review Letters*, **1989**, 63, 656-659	7.4	53
69	Calculation of Coulomb interaction strengths for 3d transition metals and actinides. *Physical Review B*, **1989**, 39, 3517-3521	3.3	108
68	Investigations of oxide superconductors by x-ray absorption, photoemission and cognate spectroscopies. *Phase Transitions*, **1989**, 19, 69-85	1.3	4
67	Evidence for holes on oxygen in some nickel oxides. *Journal of Physics Condensed Matter*, **1989**, 1, 2147-2150	1.8	21
66	The electronic structure of NiAl and NiSi. *Journal of Physics Condensed Matter*, **1989**, 1, 9131-9139	1.8	22
65	The electronic structure of 4d and 5d silicides. *Journal of Physics Condensed Matter*, **1989**, 1, 9117-9129	1.8	25
64	Investigation of novel cuprates of the TlCa1-xLnxSr2Cu2O7- (Ln=rare earth) series showing electron- or hole-superconductivity depending on the composition. *Superconductor Science and Technology*, **1989**, 2, 195-201	3.1	19
63	A core-level photoemission spectroscopic study of the electron-doped superconductor, Nd2-xCexCuO4- *Solid State Communications*, **1989**, 70, 875-877	1.6	31
62	Holes and hole-pairing in the oxygen band of the high-temperature cuprate superconductors. *Synthetic Metals*, **1989**, 33, 131-140	3.6	6
61	Temperature dependence of the surface conductivity of YBa2Cu3O7 accompanying the change in the concentration of dimerized oxygen holes. *Solid State Communications*, **1988**, 67, 263-265	1.6	12
60	XPS study of the room temperature surface oxidation of zirconium and its binary alloys with tin, chromium and iron. *Applied Surface Science*, **1988**, 32, 309-319	6.7	56
59	Tc suppression and rare-earth valency in Y1 MxBa2Cu3O7 (M = Ce, Pr, Tb). *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 916-917	1.3	5
58	Nature of the copper species in superconducting YBa2Cu3O7. *Solid State Communications*, **1988**, 65, 47-49	1.6	66
57	On the 3d-configuration of copper in high-Tc superconductors. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 139-140	1.3	18
56	Surface electronic structure of the high-Tc oxides. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 151-152	1.3	3

55	Crucial role of Cu1+ ions and oxygen holes (peroxitons) in the high-temperature superconductivity of cuprates. *Physica C: Superconductivity and Its Applications*, **1988**, 156, 413-419	1.3	40
54	Electronic structure of CaSi and CaSi2. *European Physical Journal B*, **1988**, 71, 69-74	1.2	20
53	Electronic structure of square planar CuO 64 clusters. *European Physical Journal B*, **1988**, 69, 529-534	1.2	13
52	Electronic structure of the light actinide oxides from electron spectroscopy (invited). *Journal of Applied Physics*, **1988**, 63, 3676-3679	2.5	55
51	Electronic structure of high-Tc superconductors from core-level spectroscopies. *Physical Review B*, **1988**, 37, 7948-7951	3.3	49
50	Electronic structure of high-Tc superconductors from soft-x-ray absorption. *Physical Review B*, **1988** , 37, 9784-9787	3.3	89
49	High-resolution electron-energy-loss spectroscopy of YBa2Cu. *Physical Review B*, **1988**, 38, 863-865	3.3	8
48	Comment on "Spectral evidence for the importance of single-site effects in heavy-fermion uranium materials". *Physical Review Letters*, **1988**, 61, 651	7.4	3
47	5f-band width and hybridization in uranium silicides. *Physical Review B*, **1988**, 38, 1-7	3.3	21
46	On the Suppression of Superconductivity in Y 1- x Pr x Ba 2 Cu 3 O 7- *Europhysics Letters*, **1988**, 5, 567-571	1.6	137
45	Evidence for peroxide and Cu1+species in La1.8Sr0.2CuO4from photo-emission studies. *Journal of Physics C: Solid State Physics*, **1987**, 20, L659-L663		56
44	Photoemission study of YBa2Cu3O7 through the superconducting transition: Evidence for oxygen dimerization. *Physical Review B*, **1987**, 36, 2371-2373	3.3	126
43	Estimation of electron-electron interaction strengths for the rare-earth metals from X alpha calculations. *Physical Review B*, **1987**, 36, 7402-7406	3.3	9
42	5f-band width and resonant photoemission of uranium intermetallic compounds. *Physical Review B*, **1987**, 36, 2916-2919	3.3	20
41	Photoemission studies of the high TC superconductor, YBa2Cu3O7. *Phase Transitions*, **1987**, 10, 39-47	1.3	2
40	Holes in the oxygen (2p) valence bands and the concomitant formation of peroxide-like species in metal oxides: their role in metallicity and superconductivity. *Journal of the American Chemical Society*, **1987**, 109, 6893-6895	16.4	44
39	Matrix elements in appearance potential spectroscopy of Al and its alloys. *Journal of Electron Spectroscopy and Related Phenomena*, **1987**, 42, 27-38	1.7	4
38	Electron spectroscopy of valence and core states of U intermetallic compounds. *Journal of Magnetism and Magnetic Materials*, **1987**, 63-64, 509-511	2.8	22

37	Mechanism of high-temperature superconductivity in YBa2Cu3O7−δ Crucial role of oxygen. *Materials Research Bulletin*, **1987**, 22, 1159-1163	5.1	39
36	Increase of Tc in YBa2Cu3O7−δ by exposure to nitrogen. *Nature*, **1987**, 330, 213-214	50.4	6
35	Systematics in the core level spectra of Th-intermetallics. *European Physical Journal B*, **1986**, 63, 305-311	1.2	28
34	X-ray-photoemission-spectroscopy and bremsstrahlung-isochromat-spectroscopy study of the (Y,U)B4 system. *Physical Review B*, **1986**, 34, 3737-3740	3.3	19
33	Correlation between ligand density of states and 5f delocalization in uranium intermetallic compounds. *Physical Review B*, **1986**, 33, 4376-4377	3.3	26
32	Appearance of correlation effects in U intermetallics. *Physical Review Letters*, **1986**, 57, 2215-2218	7.4	46
31	Surface defect segregation in the perovskite-type ferroelectric KNbO3. *Applied Physics Letters*, **1986**, 48, 490-492	3.4	21
30	XPS studies of the oxidation of U?Si compounds. *Surface Science*, **1986**, 178, 842-849	1.8	10
29	A comparison between X-ray absorption spectroscopy and Bremsstrahlung Isochromat Spectroscopy: The empty states of Pd−Al alloys and Pd2Si. *Zeitschrift Für Physik B-Condensed Matter*, **1985**, 59, 159-165		18
28	Photoemission and bremsstrahlung isochromat spectroscopy of 5f electron systems. *Journal of Magnetism and Magnetic Materials*, **1985**, 52, 129-134	2.8	15
27	Core-level spectra of Th compounds. *Physical Review B*, **1985**, 32, 5499-5501	3.3	39
26	5f electronic structure of UPt4Ir by XPS and BIS. *Journal of Magnetism and Magnetic Materials*, **1985**, 47-48, 218-220	2.8	4
25	4f-states in α- and γ-like Ce compounds. *Journal of Magnetism and Magnetic Materials*, **1985**, 47-48, 221-224	2.8	26
24	Adsorption-induced surface valence changes in europium intermetallics. *Surface Science*, **1985**, 152-153, 733-742	1.8	12
23	Oxidation of isomorphic U alloys: UNi5, UCu5 and UPt5. *Surface Science*, **1985**, 162, 563-567	1.8	7
22	Structure, magnetism and electronic excitations of epitaxial gadolinium(0001) on tungsten(110). *Journal of the Less Common Metals*, **1985**, 111, 277-283		18
21	An electron spectroscopic study of the surface oxidation of glassy and crystalline Cu-Zr alloys. *Journal of Physics F: Metal Physics*, **1984**, 14, 565-577		60
20	High-performance platinized carbon electrodes for oxygen reduction in power sources with alkaline electrolytes. *Journal of Power Sources*, **1984**, 13, 273-285	8.9	10

19	Mean-field results of a lattice-gas model of multilayer adsorption. *Chemical Physics Letters*, **1984**, 110, 265-269	2.5	5
18	Electronic structure of transition metal compounds. *Journal of Organometallic Chemistry*, **1983**, 247, 203-218	2.3	4
17	Charge-transfer satellites next to ligand core levels in the x-ray photoelectron spectra of metal chlorides and sulphides. *Chemical Physics Letters*, **1983**, 101, 279-283	2.5	
16	He II spectra of La, Ce and Yb: Novel features in the valence band region **1983**, 21, 227-231		
15	Interatomic Auger transitions in transition-metal oxides. *Physical Review B*, **1982**, 25, 2927-2929	3.3	44
14	LIIIabsorption edge studies of mixed valent cerium intermetallics and related systems. *Journal of Physics C: Solid State Physics*, **1982**, 15, 6655-6660		5
13	Study of electron states of solids by techniques of electron spectroscopy. *Journal of Solid State Chemistry*, **1982**, 45, 14-39	3.3	24
12	Configuration mixing in the s-hole states of metal ions. *Chemical Physics Letters*, **1982**, 85, 278-282	2.5	5
11	Auger studies of transition metal oxides. *Journal of Molecular Structure*, **1982**, 79, 177-180	3.4	2
10	Satellites in the X-ray photoelectron spectra of transition metal oxides. *Journal of Electron Spectroscopy and Related Phenomena*, **1982**, 25, 231-236	1.7	14
9	Satellites in the X-ray photoelectron spectra of transition-metal and rare-earth compounds. *Chemical Physics*, **1982**, 73, 71-82	2.3	33
8	Study of surface oxidation of rare-earth metals by photoelectron spectroscopy. *Journal of the Chemical Society, Faraday Transactions 2*, **1981**, 77, 1509		55
7	X-ray absorption spectroscopic study of the mixed valence system CePd3. *Materials Research Bulletin*, **1981**, 16, 175-178	5.1	4
6	XPS and X-ray absorption edge studies of the surface and bulk valence states of cerium in CeCo2. *Journal of Physics C: Solid State Physics*, **1981**, 14, L451-L454		12
5	Valence fluctuation in some Yb intermetallics by X-ray photoemission and X-ray absorption. *Chemical Physics Letters*, **1980**, 76, 413-415	2.5	40
4	An auger spectroscopic study of the surface oxidation of zinc. *Chemical Physics Letters*, **1980**, 73, 443-446	2.5	15
3	XPES studies of oxides of second- and third-row transition metals including rare earths. *Journal of Electron Spectroscopy and Related Phenomena*, **1980**, 20, 25-45	1.7	498
2	A novel approach to the study of surface oxidation states and oxidation of transition metals by Auger electron spectroscopy. *Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences*, **1980**, 370, 269-280		56

1 Study of transition metal oxides by photoelectron spectroscopy. *Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences*, **1979**, 367, 239-252 145