

# Dipankar Das Sarma

## List of Publications by Year in descending order

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368  
papers

17,216  
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13865

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377  
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377  
docs citations

377  
times ranked

16558  
citing authors

#	ARTICLE	IF	CITATIONS
1	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	575
2	Electronic Structure of Sr <sub>2</sub> FeMoO <sub>6</sub> . Physical Review Letters, 2000, 85, 2549-2552.	7.8	474
3	Near-Room-Temperature Colossal Magnetodielectricity and Multiglass Properties in Partially Disordered $\text{La}_{1-x}\text{Ni}_x\text{MnO}_3$ . Physical Review Letters, 2012, 108, 127201.	7.8	375
4	Size-Selected Zinc Sulfide Nanocrystallites: Synthesis, Structure, and Optical Studies. Chemistry of Materials, 2000, 12, 1018-1024.	6.7	361
5	Electronic structure of early 3d-transition-metal oxides by analysis of the 2p-core-level photoemission spectra. Physical Review B, 1996, 53, 1161-1170.	3.2	319
6	Understanding the quantum size effects in ZnO nanocrystals. Journal of Materials Chemistry, 2004, 14, 661.	6.7	297
7	Evolution of the electronic structure with size in II-VI semiconductor nanocrystals. Physical Review B, 2004, 69, .	3.2	289
8	Electron-spectroscopy study of the semiconductor-metal transition in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ . Physical Review B, 1992, 46, 9976-9983.	3.2	282
9	Synthesis and Characterization of Mn-Doped ZnO Nanocrystals. Journal of Physical Chemistry B, 2004, 108, 6303-6310.	2.6	279
10	Band Theory for Ground-State Properties and Excitation Spectra of Perovskite $\text{LaMO}_3$ (M=Mn, Fe, Co). <small>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</small>	7.8	266
11	Supramolecular control of the magnetic anisotropy in two-dimensional high-spin Fe arrays at a metal interface. Nature Materials, 2009, 8, 189-193.	27.5	262
12	To Dope Mn <sup>2+</sup> in a Semiconducting Nanocrystal. Journal of the American Chemical Society, 2008, 130, 10605-10611.	13.7	237
13	Emission Properties of Manganese-Doped ZnS Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 1663-1668.	2.6	236
14	Physics of Ultrathin Films and Heterostructures of Rare-Earth Nickelates. Annual Review of Materials Research, 2016, 46, 305-334.	9.3	236
15	Role of Polar Phonons in the Photo Excited State of Metal Halide Perovskites. Scientific Reports, 2016, 6, 28618.	3.3	234
16	Advances in Light-Emitting Doped Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2011, 2, 2818-2826.	4.6	230
17	Magnetoresistance in ordered and disordered double perovskite oxide, Sr <sub>2</sub> FeMoO <sub>6</sub> . Solid State Communications, 2000, 114, 465-468.	1.9	226
18	Luminescence, Plasmonic, and Magnetic Properties of Doped Semiconductor Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 7038-7054.	13.8	211

#	ARTICLE	IF	CITATIONS
19	Expanding Interlayer Spacing in MoS <sub>2</sub> for Realizing an Advanced Supercapacitor. ACS Energy Letters, 2019, 4, 1602-1609.	17.4	195
20	Electronic structure of electron doped SrTiO <sub>3</sub> :SrTiO <sub>3</sub> and Sr <sub>1-x</sub> La <sub>x</sub> TiO <sub>3</sub> . Physical Review B, 1998, 57, 2153-2158.	3.2	193
21	Highly Luminescent Mn-Doped ZnS Nanocrystals: Gram-Scale Synthesis. Journal of Physical Chemistry Letters, 2010, 1, 1454-1458.	4.6	192
22	Electron spectroscopic investigation of the semiconductor-metal transition in La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . Physical Review B, 1993, 47, 15397-15403.	3.2	189
23	A new class of magnetic materials: Sr <sub>2</sub> FeMoO <sub>6</sub> and related compounds. Current Opinion in Solid State and Materials Science, 2001, 5, 261-268.	11.5	163
24	Photoelectron spectroscopic study of CdS nanocrystallites. Physical Review B, 1999, 59, 7473-7479.	3.2	160
25	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.	1.4	152
26	White Light from Mn <sup>2+</sup> -Doped CdS Nanocrystals: A New Approach. Journal of Physical Chemistry C, 2007, 111, 13641-13644.	3.1	146
27	Unusual Directional Dependence of Exchange Energies in GaAs Diluted with Mn: Is the RKKY Description Relevant?. Physical Review Letters, 2004, 93, 177201.	7.8	141
28	Status of the crystallography beamlines at Elettra. European Physical Journal Plus, 2015, 130, 1.	2.6	141
29	On the Suppression of Superconductivity in Y <sub>1-x</sub> Pr <sub>x</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> . Europhysics Letters, 1988, 5, 567-571.	2.0	139
30	Is CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Polar?. Journal of Physical Chemistry Letters, 2016, 7, 2412-2419.	4.6	134
31	Photoemission study of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> through the superconducting transition: Evidence for oxygen dimerization. Physical Review B, 1987, 36, 2371-2373.	3.2	129
32	Electronic Structure of CH <sub>3</sub> NH <sub>3</sub> PbX <sub>3</sub> Perovskites: Dependence on the Halide Moiety. Journal of Physical Chemistry C, 2015, 119, 1818-1825.	3.1	127
33	Calculation of Coulomb interaction strengths for 3d transition metals and actinides. Physical Review B, 1989, 39, 3517-3521.	3.2	114
34	Ab initio study of disorder effects on the electronic and magnetic structure of Sr <sub>2</sub> FeMoO <sub>6</sub> . Physical Review B, 2001, 64, .	3.2	112
35	Temperature-dependent photoemission spectral weight in La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> . Physical Review B, 1996, 53, 6873-6876.	3.2	107
36	Covalency-driven unusual metal-insulator transition in nickelates. Physical Review B, 1994, 49, 8475-8478.	3.2	105

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37	Electronic structure of $\text{Ca}_{1-x}\text{Sr}_x\text{VO}_3$ : A tale of two energy scales. <i>Europysics Letters</i> , 2001, 55, 246-252.	2.0	103
38	Behavior of Methylammonium Dipoles in $\text{MAPbX}_3$ (X = Br and I). <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4113-4121.	4.6	103
39	Electrooxidation of Methanol in Sulfuric Acid Electrolyte on Platinized Carbon Electrodes with Several Functional Group Characteristics. <i>Journal of the Electrochemical Society</i> , 1994, 141, 1517-1522.	2.9	102
40	Electronic and Magnetic Structures of $\text{Sr}_2\text{FeMoO}_6$ . <i>Physical Review Letters</i> , 2001, 87, 097204.	7.8	101
41	Influence of Quantum Confinement on the Electronic and Magnetic Properties of (Ga,Mn)As Diluted Magnetic Semiconductor. <i>Nano Letters</i> , 2002, 2, 605-608.	9.1	101
42	Metal-insulator transitions in metal clusters: a high-energy spectroscopy study of palladium and silver clusters. <i>The Journal of Physical Chemistry</i> , 1992, 96, 8679-8682.	2.9	97
43	Electronic structure of high-Tc superconductors from soft-x-ray absorption. <i>Physical Review B</i> , 1988, 37, 9784-9787.	3.2	95
44	Photoemission and inverse photoemission of transition-metal silicides. <i>Physical Review B</i> , 1989, 39, 6008-6016.	3.2	93
45	Electronic structure of and quantum size effect in III-V and II-VI semiconducting nanocrystals using a realistic tight binding approach. <i>Physical Review B</i> , 2005, 72, .	3.2	91
46	Electronic structure of $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ . <i>Physical Review B</i> , 1993, 48, 14818-14825.	3.2	88
47	Evolution of Spectral Function in a Doped Mott Insulator: Surface vs Bulk Contributions. <i>Physical Review Letters</i> , 1998, 80, 2885-2888.	7.8	88
48	Anomalous High Pressure Dependence of the Jahn-Teller Phonon in $\text{La}_{0.75}\text{Ca}_{0.25}\text{MnO}_3$ . <i>Physical Review Letters</i> , 2001, 86, 1251-1254.	7.8	88
49	Direct Observation of Large Electronic Domains with Memory Effect in Doped Manganites. <i>Physical Review Letters</i> , 2004, 93, 097202.	7.8	87
50	Selective growth of single phase $\text{VO}_2$ (A, B, and M) polymorph thin films. <i>APL Materials</i> , 2015, 3, .	5.1	84
51	Critical Comparison of $\text{FAPbX}_3$ and $\text{MAPbX}_3$ (X = Br and Cl): How Do They Differ?. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13758-13766.	3.1	84
52	Methanol oxidation on carbon-supported platinum-tin electrodes in sulfuric acid. <i>Journal of Power Sources</i> , 1994, 50, 295-309.	7.8	83
53	Realistic tight-binding model for the electronic structure of II-VI semiconductors. <i>Physical Review B</i> , 2002, 66, .	3.2	83
54	Structural and magnetic properties of $\text{Sr}_2\text{Fe}_{1+x}\text{Mo}_6\text{O}_{26}$ ( $0 \leq x \leq 0.25$ ). <i>Physical Review B</i> , 2006, 73, .	3.2	83

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55	Contrasting behavior of homovalent-substituted and hole-doped systems: OK-edge spectra from $\text{La}_{1-x}\text{MxO}_3$ (M=Mn, Fe, and Co) and $\text{La}_{1-x}\text{SrxMnO}_3$ . Physical Review B, 1994, 49, 14238-14243.	3.2	80
56	Study of the Growth of Capped ZnO Nanocrystals: A Route to Rational Synthesis. Chemistry - A European Journal, 2006, 12, 180-186.	3.3	79
57	Large magnetoresistance in $\text{La}_{1-x}\text{SrxMnO}_3$ and its dependence on magnetization. Applied Physics Letters, 1995, 66, 233-235.	3.3	76
58	Disorder Effects in Electronic Structure of Substituted Transition Metal Compounds. Physical Review Letters, 1998, 80, 4004-4007.	7.8	76
59	Pressure Tuning of Electron-Phonon Coupling: The Insulator to Metal Transition in Manganites. Physical Review Letters, 2003, 91, 175501.	7.8	75
60	Photoemission spectroscopy of size selected zinc sulfide nanocrystallites. Journal of Applied Physics, 2001, 90, 2504-2510.	2.5	74
61	Electronic structure of $\text{Ca}_3\text{CoXO}_6$ (X=Co, Rh, Ir) studied by x-ray photoemission spectroscopy. Physical Review B, 2005, 71, .	3.2	74
62	Blue-Emitting Copper-Doped Zinc Oxide Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 22310-22312.	2.6	74
63	Nature of the copper species in superconducting $\text{YBa}_2\text{Cu}_3\text{O}_7$ . Solid State Communications, 1988, 65, 47-49.	1.9	72
64	White-light emission from a blend of CdSeS nanocrystals of different Se:S ratio. Nanotechnology, 2007, 18, 075401.	2.6	72
65	Anisotropic magnetic couplings and structure-driven canted to collinear transitions in $\text{Sr}_2\text{MnVO}_6$ magnetically constrained noncollinear DFT. Physical Review B, 2015, 92, .	2.2	70
66	Spectroscopic investigations of the electronic structure and metal-insulator transitions in a Mott-Hubbard system $\text{La}_{1-x}\text{CaxVO}_3$ . Physical Review B, 2000, 61, 2525-2534.	3.2	69
67	Electronic Phase Separation in Correlated Oxides: The Phenomenon, Its Present Status and Future Prospects. ChemPhysChem, 2006, 7, 2053-2059.	2.1	68
68	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.	6.1	67
69	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.	1.6	66
70	Understanding the bulk electronic structure of $\text{Ca}_{1-x}\text{SrxVO}_3$ . Physical Review B, 2006, 73, .	3.2	66
71	High-pressure structure and electronic transport in hole-doped $\text{La}_{3/4}\text{Ca}_{1/4}\text{MnO}_3$ perovskites. Physical Review B, 2001, 65, .	3.2	64
72	Spin, Charge, and Orbital Ordering in $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$ . Physical Review Letters, 2001, 87, 066404.	7.8	64

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73	The large magnetoresistance of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ at low temperatures. <i>Journal of Physics Condensed Matter</i> , 1995, 7, L561-L565.	1.8	63
74	A novel approach to the study of surface oxidation states and oxidation of transition metals by Auger electron spectroscopy. <i>Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences</i> , 1980, 370, 269-280.	1.4	62
75	Room-temperature dynamic correlation between methylammonium molecules in lead-iodine based perovskites: An <i>ab initio</i> molecular dynamics perspective. <i>Physical Review B</i> , 2016, 94, .	3.2	62
76	Sizable photocurrent and emission from solid state devices based on CdS nanoparticles. <i>Applied Physics Letters</i> , 1998, 72, 1335-1337.	3.3	61
77	Study of surface oxidation of rare-earth metals by photoelectron spectroscopy. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1981, 77, 1509.	1.1	59
78	Electronic structure of $\text{La}_{1-x}\text{Sr}_x\text{CrO}_3$ . <i>Physical Review B</i> , 1996, 54, 7816-7822.	3.2	58
79	Blue emission from cysteine ester passivated cadmium sulfide nanoclusters. <i>Chemical Communications</i> , 2001, 2188-2189.	4.1	58
80	Origin of the Spin-Orbital Liquid State in a Nearly $\text{J} < \text{J}' < \text{J}'' < \text{J}''' < \text{J}^{(4)}$ Iridate $\text{BaZrIrO}_6$ . <i>Physical Review B</i> , 2018, 98, 080401.	7.8	58
81	Effect of anti-site disorder on magnetism in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Physical Review B</i> , 2018, 97, .	3.2	58
82	Transport and magnetic properties of $\text{Sr}_2\text{FeMo}_x\text{W}_{1-x}\text{O}_6$ . <i>Journal of Physics Condensed Matter</i> , 2001, 13, 607-616.	1.8	57
83	Microscopic origin of low frequency noise in $\text{MoS}_2$ field-effect transistors. <i>APL Materials</i> , 2014, 2, .	5.1	57
84	Realizing an Asymmetric Supercapacitor Employing Carbon Nanotubes Anchored to $\text{Mn}_3\text{O}_4$ Cathode and $\text{Fe}_3\text{O}_4$ Anode. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 42484-42493.	8.0	57
85	Evidence for peroxide and $\text{Cu}^{1+}$ species in $\text{La}_{1.8}\text{Sr}_{0.2}\text{CuO}_4$ from photo-emission studies. <i>Journal of Physics C: Solid State Physics</i> , 1987, 20, L659-L663.	1.5	56
86	Designing a Lower Band Gap Bulk Ferroelectric Material with a Sizable Polarization at Room Temperature. <i>ACS Energy Letters</i> , 2018, 3, 1176-1182.	17.4	56
87	Electronic structure of the light actinide oxides from electron spectroscopy (invited). <i>Journal of Applied Physics</i> , 1988, 63, 3676-3679.	2.5	55
88	Electronic excitation spectra from <i>ab initio</i> band-structure results for $\text{LaMO}_3$ ( $M=\text{Cr}, \text{Mn}, \text{Fe}, \text{Co}, \text{Ni}$ ). <i>Physical Review B</i> , 1996, 54, 1622-1628.	3.2	54
89	Simultaneous control of nanocrystal size and nanocrystal-nanocrystal separation in CdS nanocrystal assembly. <i>Pramana - Journal of Physics</i> , 2005, 65, 565-570.	1.8	54
90	Rainbow Emission from an Atomic Transition in Doped Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2208-2213.	4.6	54

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91	Origin of Cu and Zn L <sub>2</sub> - and L <sub>3</sub> -M <sub>45</sub> Auger satellites: Breakdown of the sudden approximation. <i>Physical Review Letters</i> , 1989, 63, 656-659.	7.8	53
92	Spectral functions in doped transition metal oxides. <i>Europhysics Letters</i> , 1996, 36, 307-312.	2.0	53
93	Electronic structure of $\text{La}_{1-x}\text{Mn}_x\text{As}$ studied by photoemission spectroscopy: Comparison with $\text{Ca}_{1-x}\text{Mn}_x\text{As}$ . <i>Physical Review B</i> , 2002, 65, .	3.2	53
94	Temperature-dependent valence-band photoemission spectra of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Physical Review B</i> , 1997, 56, 8836-8840.	3.2	52
95	Unraveling Internal Structures of Highly Luminescent PbSe Nanocrystallites Using Variable-Energy Synchrotron Radiation Photoelectron Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15244-15250.	2.6	52
96	X-ray absorption spectroscopy of transition-metal doped diluted magnetic semiconductors $\text{Zn}_{1-x}\text{M}_x\text{O}$ . <i>Journal of Applied Physics</i> , 2004, 95, 3573-3575.	2.5	51
97	Holes in the oxygen (2p) valence bands and the concomitant formation of peroxide-like species in metal oxides: their role in metallicity and superconductivity. <i>Journal of the American Chemical Society</i> , 1987, 109, 6893-6895.	13.7	50
98	Electronic structure of high-T <sub>c</sub> superconductors from core-level spectroscopies. <i>Physical Review B</i> , 1988, 37, 7948-7951.	3.2	49
99	Photoelectron-spectroscopy investigation of the spin-state transition in $\text{LaCoO}_3$ . <i>Physical Review B</i> , 1994, 49, 13979-13982.	3.2	49
100	Interatomic Auger transitions in transition-metal oxides. <i>Physical Review B</i> , 1982, 25, 2927-2929.	3.2	48
101	Appearance of Correlation Effects in U Intermetallics. <i>Physical Review Letters</i> , 1986, 57, 2215-2218.	7.8	48
102	Theoretical analysis of x-ray-absorption near-edge fine structure at the O and metal K edges of $\text{LaFeO}_3$ and $\text{LaCoO}_3$ . <i>Physical Review B</i> , 1997, 56, 2228-2233.	3.2	48
103	Synthesis and Spectroscopic Characterization of Highly Conducting BF <sub>3</sub> -Doped Polyaniline. <i>Advanced Materials</i> , 2001, 13, 1548.	21.0	47
104	Electronic structure of millerite NiS. <i>Physical Review B</i> , 2002, 66, .	3.2	47
105	Suppression of the Coffee-Ring Effect and Evaporation-Driven Disorder to Order Transition in Colloidal Droplets. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4704-4709.	4.6	47
106	Evolution of electronic structure with dimensionality in divalent nickelates. <i>Physical Review B</i> , 1999, 59, 12457-12470.	3.2	46
107	Evidence for correlation effects in $\text{Sr}_2\text{RuO}_4$ from resonant and x-ray photoemission spectroscopy. <i>Physical Review B</i> , 1996, 53, 8151-8154.	3.2	45
108	Enhanced photocatalytic efficiency of AuPd nanoalloy decorated ZnO-reduced graphene oxide nanocomposites. <i>RSC Advances</i> , 2015, 5, 8918-8928.	3.6	45

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109	An uncompensated semimetal with extremely large magnetoresistance. Physical Review B, 2017, 95, .	3.2	45
110	Valence fluctuation in some Yb intermetallics by X-ray photoemission and X-ray absorption. Chemical Physics Letters, 1980, 76, 413-415.	2.6	44
111	Crucial role of Cu <sup>1+</sup> ions and oxygen holes (peroxitons) in the high-temperature superconductivity of cuprates. Physica C: Superconductivity and Its Applications, 1988, 156, 413-419.	1.2	44
112	Cu 2p Core-Level Photoemission Spectrum of Sr <sub>2</sub> CuO <sub>3</sub> . Journal of the Physical Society of Japan, 1996, 65, 1844-1848.	1.6	44
113	Mechanism of high-temperature superconductivity in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> : Crucial role of oxygen. Materials Research Bulletin, 1987, 22, 1159-1163.	5.2	43
114	Building Better Batteries: A Travel Back in Time. ACS Energy Letters, 2018, 3, 2841-2845.	17.4	43
115	Electronic structure of TiO <sub>x</sub> (0.8 < x < 1.3) with disordered and ordered vacancies. Physical Review B, 1994, 49, 16141-16148.	3.2	42
116	Estimates of electronic interaction parameters for LaMO <sub>3</sub> compounds (M = Ti, Ni) from ab initio approaches. Physical Review B, 1996, 54, 11199-11206.	3.2	42
117	Electronic structure of high-T <sub>c</sub> superconductors and related compounds. Pramana - Journal of Physics, 1992, 38, L531-L538.	1.8	41
118	Importance of dynamical effects in determining the Auger spectral shape: L <sub>23</sub> -M <sub>45</sub> spectra of Fe, Co, and Cu. Physical Review B, 1993, 48, 6822-6831.	3.2	41
119	Electronic structure of one-dimensional cuprates. Physical Review B, 1998, 57, 1572-1578.	3.2	41
120	Dual function hybrid polymer-nanoparticle devices. Applied Physics Letters, 1999, 74, 871-873.	3.3	41
121	Core-level spectra of Th compounds. Physical Review B, 1985, 32, 5499-5501.	3.2	40
122	Mean-field results of the multiple-band extended Hubbard model for the square-planar CuO <sub>2</sub> lattice. Physical Review B, 1993, 48, 7355-7363.	3.2	40
123	Novel Mn-doped chalcopyrites. Journal of Physics and Chemistry of Solids, 2003, 64, 1461-1468.	4.0	40
124	Role of boron diffusion in CoFeB/MgO magnetic tunnel junctions. Physical Review B, 2015, 91, .	3.2	40
125	Relativistic +BSE study of the optical properties of Ruddlesden-Popper iridates. Physical Review Materials, 2018, 2, .	4.1	40
126	Satellites in the X-ray photoelectron spectra of transition-metal and rare-earth compounds. Chemical Physics, 1982, 73, 71-82.	1.9	39



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127	Electronic structures of gallium and indium across the solid-liquid transition. <i>Physical Review B</i> , 1995, 51, 4007-4013.	3.2	39
128	Chemically exfoliated $\text{MoS}_2$ layers: Spectroscopic evidence for the semiconducting nature of the dominant trigonal metastable phase. <i>Physical Review B</i> , 2017, 96, .	3.2	39
129	Optical and Magnetic Properties of Manganese-Doped Zinc Sulfide Nanoclusters. <i>Journal of Nanoscience and Nanotechnology</i> , 2003, 3, 392-400.	0.9	39
130	Electronic structure of transition metal compounds: Photoemission experiments and model Hamiltonian calculations. <i>Journal of Solid State Chemistry</i> , 1990, 88, 45-52.	2.9	37
131	Angle-Resolved Photoemission Spectroscopy of the Insulating $\text{Na}_x\text{WO}_3$ : Anderson Localization, Polaron Formation, and Remnant Fermi Surface. <i>Physical Review Letters</i> , 2006, 96, 147603.	7.8	37
132	Investigation of the L3-M45M45 Auger spectra of Cu, $\text{Cu}_2\text{O}$ and $\text{CuO}$ . <i>Journal of Physics Condensed Matter</i> , 1992, 4, 7607-7616.	1.8	36
133	Electronic Structure of Perovskite Oxides, $\text{LaMO}_3$ (M = Ti-Ni), from High-Energy Electron Spectroscopic Investigations. <i>Journal of Solid State Chemistry</i> , 1994, 111, 208-216.	2.9	36
134	Difference in spin state and covalence between $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ and $\text{La}_{2-x}\text{Sr}_x\text{Li}_{0.5}\text{Co}_{0.5}\text{O}_4$ . <i>Journal of Alloys and Compounds</i> , 2002, 343, 5-13.	5.5	36
135	Electronic structure and bonding properties in $\text{TiSi}_2$ . <i>European Physical Journal B</i> , 1990, 78, 423-430.	1.5	35
136	Low-temperature electrical conductivity of. <i>Journal of Physics Condensed Matter</i> , 1996, 8, L631-L636.	1.8	35
137	Correlation satellite driven by reduced dimensionality. <i>Europhysics Letters</i> , 1997, 39, 429-434.	2.0	35
138	Infrared study of charge delocalization induced by pressure in the $\text{La}_{0.75}\text{Ca}_{0.25}\text{MnO}_3$ manganite. <i>Physical Review B</i> , 2001, 63, .	3.2	35
139	Surface and bulk electronic structure of $\text{La}_{1-x}\text{Ca}_x\text{VO}_3$ . <i>Physical Review B</i> , 2004, 70, .	3.2	35
140	Solution-Processed Free-Standing Ultrathin Two-Dimensional $\text{PbS}$ Nanocrystals with Efficient and Highly Stable Dielectric Properties. <i>Chemistry of Materials</i> , 2017, 29, 1175-1182.	6.7	35
141	Photoemission study of porous silicon. <i>Applied Physics Letters</i> , 1992, 61, 1655-1657.	3.3	34
142	Magnetocaloric effect in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ ( $0.05 \leq x \leq 0.40$ ). <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 202, 47-52.	2.3	34
143	Local structure in $\text{LaMnO}_3$ and $\text{CaMnO}_3$ perovskites: A quantitative structural refinement of Mn K-edge XANES data. <i>Physical Review B</i> , 2005, 72, .	3.2	34
144	A core-level photoemission spectroscopic study of the electron-doped superconductor, $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ . <i>Solid State Communications</i> , 1989, 70, 875-877.	1.9	33

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145	Temperature dependence of non-Debye disorder in doped manganites. <i>Physical Review B</i> , 1997, 56, 3520-3523.	3.2	33
146	Electronic structure of one-dimensional cuprate, Sr <sub>2</sub> CuO <sub>3</sub> . <i>Europhysics Letters</i> , 1997, 37, 359-364.	2.0	33
147	Metal-insulator crossover behavior at the surface of NiS <sub>2</sub> . <i>Physical Review B</i> , 2003, 67, .	3.2	33
148	Phase Diagram and Dielectric Properties of MA <sub>1-x</sub> FA <sub>x</sub> Pb <sub>3</sub> . <i>ACS Energy Letters</i> , 2019, 4, 2045-2051.	17.4	33
149	Origin of nonmetallicity in PrBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> from a study of Gd <sub>1-x</sub> Pr <sub>x</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> using soft x-ray absorption at the oxygen K-edge. <i>Solid State Communications</i> , 1991, 77, 377-379.	1.9	32
150	Study of electron states of solids by techniques of electron spectroscopy. <i>Journal of Solid State Chemistry</i> , 1982, 45, 14-39.	2.9	31
151	Electronic structure and the metal-insulator transition in LnNiO <sub>3</sub> (Ln=La, Pr, Nd, Sm and Ho): bandstructure results. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 10467-10474.	1.8	31
152	Amorphous W <sub>1-x</sub> S <sub>x</sub> N thin films: The atomic structure behind ultra-low friction. <i>Acta Materialia</i> , 2015, 82, 84-93.	7.9	31
153	Competing Roles of Substrate Composition, Microstructure, and Sustained Strontium Release in Directing Osteogenic Differentiation of hMSCs. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19389-19408.	8.0	31
154	Why Does CuFeS <sub>2</sub> Resemble Gold?. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 696-701.	4.6	31
155	Synthetic Control on Structure/Dimensionality and Photophysical Properties of Low Dimensional Organic Lead Bromide Perovskite. <i>Inorganic Chemistry</i> , 2018, 57, 13443-13452.	4.0	31
156	Substrate Integrated Nickel-Iron Ultrabattery with Extraordinarily Enhanced Performances. <i>ACS Energy Letters</i> , 2016, 1, 82-88.	17.4	29
157	Systematics in the core level spectra of Th-intermetallics. <i>European Physical Journal B</i> , 1986, 63, 305-311.	1.5	28
158	The electronic structure of 4d and 5d silicides. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 9117-9129.	1.8	28
159	Analysis of the core-level photoemission spectra of the superconducting cuprates: Evidence for a strongly mixed-valent state. <i>Physical Review B</i> , 1990, 42, 6817-6819.	3.2	28
160	Electronic structure of Y <sub>2-x</sub> CaxBaNiO <sub>5</sub> from photoemission and inverse photoemission. <i>Physical Review B</i> , 1998, 58, 9746-9751.	3.2	28
161	In situ Photoemission Study of the Room Temperature Ferromagnet ZnGeP <sub>2</sub> †Mn. <i>Physical Review Letters</i> , 2003, 91, 107202.	7.8	28
162	4f-states in $\hat{\Gamma}^3$ - and $\hat{\Gamma}^{\pm}$ -like Ce compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1985, 47-48, 221-224.	2.3	27

#	ARTICLE	IF	CITATIONS
163	Correlation between ligand density of states and 5f delocalization in uranium intermetallic compounds. <i>Physical Review B</i> , 1986, 33, 4376-4377.	3.2	27
164	Synchrotron-radiation study of the satellites in NiL <sub>3</sub> -M <sub>4,5</sub> Auger spectra. <i>Physical Review B</i> , 1989, 40, 12542-12545.	3.2	27
165	Electronic Structure of and the Metal-Insulator Transition in La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3-<math>\delta</math></sub> : A Soft-X-Ray Absorption Study. <i>Europhysics Letters</i> , 1992, 19, 513-518.	2.0	27
166	Spin-Flop Ordering from Frustrated Ferro- and Antiferromagnetic Interactions: A Combined Theoretical and Experimental Study of a Mn/Fe(100) Monolayer. <i>Physical Review Letters</i> , 2005, 95, 117201.	7.8	27
167	Electron and hole doping in the relativistic Mott insulator $Sr_{1-x}Ir_xO_3$ : A first-principles study using	3.2	27
168	Electronic structure of and from ab initio spin-polarized calculations. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 3129-3138.	1.8	26
169	Synthesis of CdSe Nanocrystals in a Noncoordinating Solvent: Effect of Reaction Temperature on Size and Optical Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1965-1968.	0.9	26
170	Microscopic description of the evolution of the local structure and an evaluation of the chemical pressure concept in a solid solution. <i>Physical Review B</i> , 2014, 89, .	3.2	26
171	X-ray emission and absorption studies of silicides in relation to their electronic structure. <i>Physica Scripta</i> , 1990, 41, 629-633.	2.5	25
172	Local structure of hole-doped manganites: influence of temperature and applied magnetic field. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 1967-1974.	1.8	25
173	The electronic, chemical and electrocatalytic processes and intermediates on iron oxide surfaces during photoelectrochemical water splitting. <i>Catalysis Today</i> , 2016, 260, 72-81.	4.4	25
174	Surface defect segregation in the perovskite-type ferroelectric KNbO <sub>3</sub> . <i>Applied Physics Letters</i> , 1986, 48, 490-492.	3.3	24
175	Sarma et al. reply. <i>Physical Review Letters</i> , 1991, 66, 967-967.	7.8	24
176	Electronic Band Structure of Cadmium Chromium Chalcogenide Spinel: CdCr <sub>2</sub> S <sub>4</sub> and CdCr <sub>2</sub> Se <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , 2000, 155, 198-205.	2.9	24
177	Efficient Solid-State Light-Emitting CuCdS Nanocrystals Synthesized in Air. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2643-2648.	13.8	24
178	Dielectric investigation of high-k yttrium copper titanate thin films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1080-1087.	5.5	24
179	5f-band width and hybridization in uranium silicides. <i>Physical Review B</i> , 1988, 38, 1-7.	3.2	23
180	Electronic structure of high-T <sub>c</sub> cuprates from core-level photoemission spectroscopy. <i>Physical Review B</i> , 1989, 39, 11570-11574.	3.2	23

#	ARTICLE	IF	CITATIONS
181	The electronic structure of NiAl and NiSi. Journal of Physics Condensed Matter, 1989, 1, 9131-9139.	1.8	23
182	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.	3.2	23
183	Strong correlation effects in the electronic structure of Sr <sub>2</sub> FeMoO <sub>6</sub> . Physical Review B, 2003, 67, .	3.2	23
184	Modulation of glyceraldehyde-3-phosphate dehydrogenase activity by surface functionalized quantum dots. Physical Chemistry Chemical Physics, 2014, 16, 5276.	2.8	23
185	Electron spectroscopy of valence and core states of U intermetallic compounds. Journal of Magnetism and Magnetic Materials, 1987, 63-64, 509-511.	2.3	22
186	Electronic structure of NaCuO <sub>2</sub> . Physical Review B, 1993, 47, 10927-10930.	3.2	22
187	High photon energy spectroscopy of NiO: Experiment and theory. Physical Review B, 2016, 93, .	3.2	22
188	Fe <sub>2</sub> O <sub>3</sub> -Based Core-Shell-Nanorod Structured Positive and Negative Electrodes for a High-Performance Fe <sub>2</sub> O <sub>3</sub> /C//Fe <sub>2</sub> O <sub>3</sub> /MnO <sub>x</sub> Asymmetric Supercapacitor. Journal of the Electrochemical Society, 2017, 164, A2707-A2715.	2.9	22
189	Can SHG Measurements Determine the Polarity of Hybrid Lead Halide Perovskites?. ACS Energy Letters, 2018, 3, 1887-1891.	17.4	22
190	Hexagonal WO <sub>3</sub> Nanorods as Ambipolar Electrode Material in Asymmetric WO <sub>3</sub> //WO <sub>3</sub> /MnO <sub>2</sub> Supercapacitor. Journal of the Electrochemical Society, 2018, 165, A2108-A2114.	2.9	22
191	Electronic structure of CaSi and CaSi <sub>2</sub> . European Physical Journal B, 1988, 71, 69-74.	1.5	21
192	Evidence for holes on oxygen in some nickel oxides. Journal of Physics Condensed Matter, 1989, 1, 2147-2150.	1.8	21
193	Investigation of novel cuprates of the TlCa <sub>1-x</sub> Ln <sub>x</sub> Sr <sub>2</sub> Cu <sub>2</sub> O <sub>7</sub> - $\hat{\nu}$ (Ln=rare earth) series showing electron- or hole-superconductivity depending on the composition. Superconductor Science and Technology, 1989, 2, 195-201.	3.5	21
194	Doping dependence of transport and magnetic properties in. Journal of Physics Condensed Matter, 1997, 9, 7507-7514.	1.8	21
195	X-ray photoemission study of NiS <sub>2</sub> <sup>x</sup> Sex (x=0.0-1.2). Physical Review B, 2003, 68, .	3.2	21
196	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.	2.8	21
197	NaOsO <sub>3</sub> : A high Neel temperature 5d oxide. Physical Review B, 2014, 89, .	3.2	21
198	Unusual Dirac Fermions on the Surface of a Noncentrosymmetric $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \hat{\nu} \rangle$ -BiPd Superconductor. Physical Review Letters, 2016, 117, 177001.	7.8	21

#	ARTICLE	IF	CITATIONS
199	A comparison between X-ray absorption spectroscopy and Bremsstrahlung Isochromat Spectroscopy: The empty states of Pd <sup>+</sup> Al alloys and Pd <sub>2</sub> Si. Zeitschrift für Physik B-Condensed Matter, 1985, 59, 159-165.	1.1	20
200	5f-band width and resonant photoemission of uranium intermetallic compounds. Physical Review B, 1987, 36, 2916-2919.	3.2	20
201	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.	3.2	20
202	Angle-resolved photoemission spectroscopy of the metallic sodium tungsten bronzes Na <sub>x</sub> WO <sub>3</sub> . Physical Review B, 2005, 72, .	3.2	20
203	Reentrant Superspin Glass Phase in a $\text{La}_{0.82}\text{Ca}_{0.18}\text{MnO}_3$ Ferromagnetic Insulator. Physical Review X, 2014, 4, .	8.9	20
204	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.	3.3	20
205	A Cost-Effective and High-Performance Core-Shell-Nanorod-Based ZnO/Fe <sub>2</sub> O <sub>3</sub> /ZnO/C Asymmetric Supercapacitor. Journal of the Electrochemical Society, 2017, 164, A987-A994.	2.9	20
206	X-ray-photoemission-spectroscopy and bremsstrahlung-isochromat-spectroscopy study of the (Y,U)B <sub>4</sub> system. Physical Review B, 1986, 34, 3737-3740.	3.2	19
207	Electronic Structure of NiS <sub>1-x</sub> Sex across the Phase Transition. Physical Review Letters, 1998, 80, 1284-1287.	7.8	19
208	Structure, magnetism and electronic excitations of epitaxial gadolinium(0001) on tungsten(110). Journal of the Less Common Metals, 1985, 111, 277-283.	0.8	18
209	On the 3d-configuration of copper in high-T <sub>c</sub> superconductors. Physica C: Superconductivity and Its Applications, 1988, 153-155, 139-140.	1.2	18
210	Coupling of Small Lattice Polarons to Magnetic Field in Magnetoresistive Manganites. Physica Status Solidi (B): Basic Research, 1999, 215, 647-652.	1.5	18
211	Calculation of x-ray-absorption spectra of strongly correlated systems. Physical Review B, 2000, 61, 7402-7408.	3.2	18
212	Magnetic study of an amorphous conducting polyaniline. Applied Physics Letters, 2003, 82, 1733-1735.	3.3	18
213	Resolution of the Negative-U Problem in Early Transition Metals: A Reinterpretation of the LVA Auger Spectra. Physica Scripta, 1992, T41, 184-186.	2.5	17
214	Dielectric function and optical conductivity of TiO <sub>x</sub> (0.8 < x < 1.3) determined from electron energy-loss spectroscopy. Physical Review B, 1995, 52, 14526-14530.	3.2	17
215	Order-disorder and electronic transitions in Ag <sub>2</sub> S single crystals studied by photoemission spectroscopy. Physical Review B, 1996, 53, 3746-3751.	3.2	17
216	Evolution of Spectral Functions in Doped Transition Metal Oxides. International Journal of Modern Physics B, 1997, 11, 3849-3857.	2.0	17

#	ARTICLE	IF	CITATIONS
217	Photoemission study of the metal-insulator transition in NiS <sub>2</sub> . Physical Review B, 1998, 58, 9611-9614.	3.2	17
218	BF <sub>3</sub> -doped polyaniline: A novel conducting polymer. Pramana - Journal of Physics, 2006, 67, 135-139.	1.8	17
219	Chemical Tailoring of Band Offsets at the Interface of ZnSe/CdS Heterostructures for Delocalized Photoexcited Charge Carriers. Journal of Physical Chemistry C, 2016, 120, 10118-10128.	3.1	17
220	Conducting LaVO <sub>3</sub> /SrTiO <sub>3</sub> Interface: Is Cationic Stoichiometry Mandatory?. Advanced Materials Interfaces, 2020, 7, 1900941.	3.7	17
221	Spectroscopic studies on quantum dots of PbI <sub>2</sub> . Spectrochimica Acta Part A: Molecular Spectroscopy, 1992, 48, 1779-1787.	0.1	16
222	Magnetic and finite size effects in Cu films on Co(100). Solid State Communications, 1996, 100, 749-753.	1.9	16
223	Electronic Structure of Vacancy Ordered Spinels, GaMo <sub>4</sub> S <sub>8</sub> and GaV <sub>4</sub> S <sub>8</sub> , from ab Initio Calculations. Journal of Solid State Chemistry, 1999, 148, 143-149.	2.9	16
224	Magnetic Properties of Doped II-VI Semiconductor Nanocrystals. Journal of Nanoscience and Nanotechnology, 2005, 5, 1503-1508.	0.9	16
225	Determination of Internal Structures of Heterogeneous Nanocrystals Using Variable-Energy Photoemission Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 15534-15540.	3.1	16
226	Two-Dimensional Hybrid Organohalide Perovskites from Ultrathin PbS Nanocrystals as Template. Journal of Physical Chemistry C, 2017, 121, 6401-6408.	3.1	16
227	Contrasting Behaviors of FA and MA Cations in <i>APbBr<sub>3</sub></i> . Journal of Physical Chemistry Letters, 2020, 11, 9669-9679.	4.6	16
228	An Auger spectroscopic study of the surface oxidation of zinc. Chemical Physics Letters, 1980, 73, 443-446.	2.6	15
229	Satellites in the X-ray photoelectron spectra of transition metal oxides. Journal of Electron Spectroscopy and Related Phenomena, 1982, 25, 231-236.	1.7	15
230	Photoemission and bremsstrahlung isochromat spectroscopy of 5f electron systems. Journal of Magnetism and Magnetic Materials, 1985, 52, 129-134.	2.3	15
231	Investigation of hole-doped insulating La <sub>1-x</sub> Sr <sub>x</sub> CrO <sub>3</sub> by soft-x-ray absorption spectroscopy. Physical Review B, 1996, 53, 13369-13373.	3.2	15
232	Local disorder investigation in NiS <sub>2</sub> /Se <sub>x</sub> using Raman and Ni K-edge x-ray absorption spectroscopies. Journal of Physics Condensed Matter, 2014, 26, 452201.	1.8	15
233	Peculiar magnetic states in the double perovskite Nd <sub>2</sub> Mn <sub>2</sub> O <sub>10</sub> . Physical Review B, 2019, 100, .		
234	Adsorption-induced surface valence changes in europium intermetallics. Surface Science, 1985, 152-153, 733-742.	1.9	14

#	ARTICLE	IF	CITATIONS
235	Electronic and magnetic transitions in a multiband model for $\text{La}_2\text{NiO}_4$ . <i>Physical Review B</i> , 1997, 55, 9203-9206.	3.2	14
236	Electronic structure of and covalency driven metal-insulator transition in $\text{BaCo}_{1-x}\text{Ni}_x\text{S}_2$ . <i>Physical Review B</i> , 2001, 63, .	3.2	14
237	Self-organization of polyaniline nanorods: Towards achieving a higher conductivity. <i>Applied Physics Letters</i> , 2005, 87, 093117.	3.3	14
238	Blue emitting polyaniline. <i>Chemical Communications</i> , 2006, , 2681.	4.1	14
239	Origin of Ferromagnetism and its Pressure and Doping Dependence in $\text{Tl}_2\text{Mn}_2\text{O}_7$ . <i>Physical Review Letters</i> , 2006, 96, 087205.	7.8	14
240	X-ray photoelectron spectroscopy of superconducting $\text{RuSr}_2\text{Eu}_{1.5}\text{Ce}_{0.5}\text{Cu}_2\text{O}_{10}$ and non-superconducting $\text{RuSr}_2\text{EuCeCu}_2\text{O}_{10}$ . <i>Physical Review B</i> , 2006, 74, .	3.2	14
241	Throwing light on platinized carbon nanostructured composites for hydrogen generation. <i>Energy and Environmental Science</i> , 2014, 7, 4087-4094.	30.8	14
242	Tuning copper sulfide nanosheets by cation exchange reactions to realize two-dimensional CZTS dielectric layers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9782-9790.	10.3	14
243	Signatures of a Spin-1/2 Cooperative Paramagnet in the Diluted Triangular Lattice of $\text{Y}_2\text{CuTiO}_6$ . <i>Physical Review Letters</i> , 2020, 125, 117206.	7.8	14
244	Exploring Librational Pathways with on-the-Fly Machine-Learning Force Fields: Methylammonium Molecules in $\text{MAPbX}_3$ ( $X = \text{I}, \text{Br}, \text{Cl}$ ) Perovskites. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21077-21086.	3.1	14
245	Electronic structure of square planar $\text{CuO}_4$ clusters. <i>European Physical Journal B</i> , 1988, 69, 529-534.	1.5	13
246	Electronic structure of $\text{NiS}_{1-x}\text{Se}_x$ . <i>Physical Review B</i> , 2000, 61, 16370-16376.	3.2	13
247	Electron-spectroscopic investigation of the metal-insulator transition in $\text{Sr}_2\text{Ru}_{1-x}\text{Ti}_x\text{O}_4$ ( $x=0\text{--}0.6$ ). <i>Physical Review B</i> , 2006, 73, .	3.2	13
248	Magnetoresistance and electroresistance effects in $\text{Fe}_3\text{O}_4$ nanoparticle system. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 391-397.	2.4	13
249	Neutron powder diffraction study of $\text{Ba}_3\text{ZnRu}_{2-x}\text{Ir}_x\text{O}_9$ ( $x=0, 1, 2$ ) with 6H-type perovskite structure. <i>Solid State Sciences</i> , 2015, 50, 58-64.	3.2	13
250	XPS and X-ray absorption edge studies of the surface and bulk valence states of cerium in $\text{CeCo}_2$ . <i>Journal of Physics C: Solid State Physics</i> , 1981, 14, L451-L454.	1.5	12
251	Temperature dependence of the surface conductivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ accompanying the change in the concentration of dimerized oxygen holes. <i>Solid State Communications</i> , 1988, 67, 263-265.	1.9	12
252	High-energy spectroscopic study of $\text{YBa}_2\text{Cu}_{2.7}\text{Fe}_{0.3}\text{O}_{6.9}$ with photon energy near the $\text{O}1s$ threshold. <i>Physical Review B</i> , 1989, 39, 12387-12390.	3.2	12



#	ARTICLE	IF	CITATIONS
253	An X-ray photoelectron spectroscopic study on platinised carbons with varying functional-group characteristics. <i>Journal of Electroanalytical Chemistry</i> , 1993, 352, 337-343.	3.8	12
254	Electrical resistivity anomalies in the perovskites $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Physica B: Condensed Matter</i> , 1993, 186-188, 995-997.	2.7	12
255	Quantitative structural refinement of MnK edge XANES in $\text{LaMnO}_3$ and $\text{CaMnO}_3$ perovskites. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2006, 246, 158-164.	1.4	12
256	STM verification of the reduction of the Young's modulus of CdS nanoparticles at smaller sizes. <i>Surface Science</i> , 2014, 630, 89-95.	1.9	12
257	Origin and distribution of charge carriers in $\text{LaAlO}_3/\text{LaMnO}_3$ heterostructures in the high carrier density limit. <i>Physical Review B</i> , 2016, 93, .	3.2	12
258	Evolution of the Local Structure within Chromophoric $\text{Mn}^{2+}$ Trigonal Bipyramids in $\text{YMn}_2\text{O}_7$ with Composition. <i>Inorganic Chemistry</i> , 2018, 57, 9012-9019.	4.0	12
259	Defects, conductivity and photoconductivity in $\text{Ar}^+$ bombarded $\text{KTaO}_3$ . <i>Journal of Applied Physics</i> , 2019, 126, 035303.	2.5	12
260	Charge disproportionate antiferromagnetism at the verge of the insulator-metal transition in doped $\text{LaFeO}_3$ . <i>Physical Review B</i> , 2019, 99, .	3.2	12
261	High-performance platinized carbon electrodes for oxygen reduction in power sources with alkaline electrolytes. <i>Journal of Power Sources</i> , 1984, 13, 273-285.	7.8	11
262	XPS studies of the oxidation of $\text{U}^{\text{IV}}$ -Si compounds. <i>Surface Science</i> , 1986, 178, 842-849.	1.9	11
263	Comparative study of the $\text{L}_{23}$ Auger decay in $\text{CuO}$ and $\text{Cu}$ using synchrotron radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 93, 181-188.	1.7	11
264	Properties of a new magnetic material: $\text{Sr}_2\text{FeMoO}_6$ . <i>Journal of Chemical Sciences</i> , 2001, 113, 515-525.	1.5	11
265	Remarkable thermal stability of $\text{BF}_3$ -doped polyaniline. <i>Applied Physics Letters</i> , 2003, 83, 2348-2350.	3.3	11
266	Transport and magnetic properties of conducting polyaniline doped with $\text{BX}_3$ ( $\text{X}=\text{F}$ , $\text{Cl}$ , and $\text{Br}$ ). <i>Physical Review B</i> , 2006, 73, .	3.2	11
267	Increase of $T_c$ in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ by exposure to nitrogen. <i>Nature</i> , 1987, 330, 213-214.	27.8	10
268	Low temperature linear magnetic field sensor based on magnetoresistance of the perovskite oxide $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ . <i>Review of Scientific Instruments</i> , 1995, 66, 3071-3072.	1.3	10
269	Fabrication of cerium-doped $\text{LaNiO}_3$ thin films on $\text{LaAlO}_3$ (100) substrate by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2005, 98, 093527.	2.5	10
270	Electronic Structure Evolution across the Peierls Metal-Insulator Transition in a Correlated Ferromagnet. <i>Physical Review X</i> , 2015, 5, .	8.9	10



#	ARTICLE	IF	CITATIONS
271	Probing complex heterostructures using hard X-ray photoelectron spectroscopy (HAXPES). Journal of Electron Spectroscopy and Related Phenomena, 2015, 200, 332-339.	1.7	10
272	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.	2.3	10
273	Estimation of electron-electron interaction strengths for the rare-earth metals from $\chi^2$ calculations. Physical Review B, 1987, 36, 7402-7406.	3.2	9
274	Comment on "X-ray-photoelectron diffraction from a free-electron-metal valence band: Evidence for hole-state localization". Physical Review Letters, 1991, 66, 2834-2834.	7.8	9
275	Magnetic quantum size effects in Cu films on Co(100). Journal of Magnetism and Magnetic Materials, 1996, 156, 259-260.	2.3	9
276	Auger Transition from Orbitally Degenerate Systems: Effects of Screening and Multielectron Excitations. Physical Review Letters, 1998, 81, 1658-1661.	7.8	9
277	Dynamics of the low temperature inhomogeneous phase in manganese perovskites. Solid State Communications, 2001, 120, 317-320.	1.9	9
278	Current rectification by a single ZnS nanorod probed using a scanning tunneling microscopic technique. Journal of Materials Chemistry C, 2014, 2, 1158.	5.5	9
279	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, 2559-2567.	2.6	9
280	Electrical and Plasmonic Properties of Ligand-Free $\text{Sn}^{4+}$ -Doped $\text{In}_2\text{O}_3$ (ITO) Nanocrystals. ChemPhysChem, 2016, 17, 710-716.	2.1	9
281	Dielectrical performance of high- $k$ yttrium copper titanate thin films for electronic applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 7090-7098.	2.2	9
282	Nature and origin of unusual properties in chemically exfoliated 2D $\text{MoS}_2$ . APL Materials, 2020, 8, 040909.	5.1	9
283	Essential Considerations for Reporting Thermoelectric Properties. ACS Energy Letters, 2021, 6, 3715-3718.	17.4	9
284	High-resolution electron-energy-loss spectroscopy of $\text{YBa}_2\text{Cu}_3\text{O}_7$ . Physical Review B, 1988, 38, 863-865.	3.2	8
285	Comment on "Variation of Cu-O charge-transfer energies in $\text{YBa}_2\text{Cu}_3\text{O}_7$ thin films studied by photoemission spectroscopy". Physical Review B, 1992, 45, 10814-10815.	3.2	8
286	Electronic Structures of Perovskite Oxides of Transition Metals of the Type $\text{LaMO}_3$ ( $M = \text{Ti-Ni}$ ) as Revealed by $\text{MXI}$ Investigations. Journal of Solid State Chemistry, 1994, 110, 393-396.	2.9	8
287	Photoemission study of pyrite-type transition-metal chalcogenides $\text{MS}_2$ ( $M = \text{Fe, Co, Ni}$ ). Physica B: Condensed Matter, 1997, 237-238, 390-391.	2.7	8
288	NOVEL SPINTRONIC MATERIALS BASED ON FERROMAGNETIC SEMICONDUCTOR CHALCOPYRITES. International Journal of Nanoscience, 2004, 03, 39-50.	0.7	8

#	ARTICLE	IF	CITATIONS
289	Synthesis of ZnSe Quantum Dots and ZnSe/ZnS Core/Shell Nanostructures. Journal of Nanoscience and Nanotechnology, 2007, 7, 1960-1964.	0.9	8
290	Observation of magnetically hard grain boundaries in double-perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> . Europhysics Letters, 2014, 108, 27003.	2.0	8
291	Temperature-independent band structure of $WTe_2$ as observed from angle-resolved photoemission spectroscopy. Physical Review B, 2017, 96, .	3.2	7
292	The origin of low bandgap and ferroelectricity of a co-doped BaTiO <sub>3</sub> . Europhysics Letters, 2018, 124, 27005.	2.0	8
293	On the origin of metallicity and stability of the metastable phase in chemically exfoliated MoS <sub>2</sub> . Applied Materials Today, 2020, 19, 100544.	4.3	8
294	Oxidation of isomorphous U alloys: UNi <sub>5</sub> , UCu <sub>5</sub> and UPt <sub>5</sub> . Surface Science, 1985, 162, 563-567.	1.9	7
295	Systematics in the oxygen 1s core-level photoemission spectra from metal oxides: Model calculations. Physical Review B, 1990, 41, 6688-6691.	3.2	7
296	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.	1.9	7
297	Analysis of the Ce 3d-4d Auger spectrum with the use of synchrotron radiation. Physical Review B, 1993, 47, 4853-4857.	3.2	7
298	Unoccupied electronic states in NiS <sub>2</sub> across the metal-insulator transition. Physical Review B, 1998, 57, 6984-6988.	3.2	7
299	Spectroscopic investigation of the electronic structure of the hole-doped one-dimensional cuprates Ca <sub>2</sub> CuO <sub>3</sub> and Sr <sub>2</sub> CuO <sub>3</sub> . Physical Review B, 2002, 65, .	3.2	7
300	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.	3.0	7
301	Ground-state ferrimagnetism and magneto-caloric effects in Nd <sub>2</sub> NiMnO <sub>6</sub> . Materials Research Express, 2019, 6, 116122.	1.6	7
302	Contrasting Effects of FA Substitution on MA/FA Rotational Dynamics in FA <sub>1-x</sub> MA <sub>x</sub> Pb <sub>3</sub> . Journal of Physical Chemistry C, 2021, 125, 13666-13676.	3.1	7
303	Magnetic polarons and spin-glass behavior in insulating La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> (x=0.125 and 0.15). Physical Review Research, 2020, 2, .	3.6	7
304	Electronic structure of transition metal compounds. Journal of Organometallic Chemistry, 1983, 247, 203-218.	1.8	6
305	Holes and hole-pairing in the oxygen band of the high-temperature cuprate superconductors. Synthetic Metals, 1989, 33, 131-140.	3.9	6
306	Estimate of Mixed-Valency in Transition Metal Oxides from Core Level Photoemission Spectroscopy. Journal of the Physical Society of Japan, 1996, 65, 1325-1328.	1.6	6

#	ARTICLE	IF	CITATIONS
307	Spin and Charge Density Waves in the Extended Hubbard Model: A Slave Boson Approach. International Journal of Modern Physics B, 1997, 11, 2057-2074.	2.0	6
308	DYNAMICS AND LOCAL STRUCTURE OF COLOSSAL MAGNETORESISTANCE MANGANITES. International Journal of Modern Physics B, 2000, 14, 2725-2730.	2.0	6
309	Investigation of high-kyttrium copper titanate thin films as alternative gate dielectrics. Journal Physics D: Applied Physics, 2016, 49, 405303.	2.8	6
310	X-ray absorption spectroscopic study of the mixed valence system CePd3. Materials Research Bulletin, 1981, 16, 175-178.	5.2	5
311	LIII absorption edge studies of mixed valent cerium intermetallics and related systems. Journal of Physics C: Solid State Physics, 1982, 15, 6655-6660.	1.5	5
312	Configuration mixing in the s-hole states of metal ions. Chemical Physics Letters, 1982, 85, 278-282.	2.6	5
313	Mean-field results of a lattice-gas model of multilayer adsorption. Chemical Physics Letters, 1984, 110, 265-269.	2.6	5
314	Matrix elements in appearance potential spectroscopy of Al and its alloys. Journal of Electron Spectroscopy and Related Phenomena, 1987, 42, 27-38.	1.7	5
315	Tc suppression and rare-earth valency in $Y_{1-x}M_xBa_2Cu_3O_{7-\delta}$ (M = Ce, Pr, Tb). Physica C: Superconductivity and Its Applications, 1988, 153-155, 916-917.	1.2	5
316	Spectroscopic evidence for the removal of mobile holes on Fe doping in $YBa_2Cu_3-xFe_xO_{7-\delta}$ . Solid State Communications, 1991, 77, 381-383.	1.9	5
317	Metal-insulator transition in a degenerate Hubbard model. Physical Review B, 1999, 59, 1739-1742.	3.2	5
318	Optimization of a low-energy, high brightness electron gun for inverse photoemission spectrometers. Review of Scientific Instruments, 2004, 75, 1020-1025.	1.3	5
319	Local structure and magneto-transport in $Sr_2FeMoO_6$ oxides. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 189-193.	1.4	5
320	Electronic band structure and Fermi surfaces of the quasi-“two-dimensional monophosphate tungsten bronze, $P_{4-x}W_{12}O_{44}$ . Europhysics Letters, 2014, 105, 47003.	2.0	5
321	Effect of impurity substitution on band structure and mass renormalization of the correlated $FeTe_{0.5}Se_{0.5}$ superconductor. Physical Review B, 2016, 93, .	3.2	5
322	Doping an antiferromagnetic insulator: A route to an antiferromagnetic metallic phase. Europhysics Letters, 2017, 117, 57003.	2.0	5
323	The limit to realize an isolated magnetic single skyrmionic state. Journal of Materials Chemistry C, 2019, 7, 1337-1344.	5.5	5
324	Complexity of mixed allotropes of $MoS_2$ unraveled by first-principles theory. Physical Review B, 2020, 102, .	3.2	5

#	ARTICLE	IF	CITATIONS
325	Synchrotron Study of the Dynamical Effects in the LVAuger Transitions in the First-Row Transition Elements. <i>Physica Scripta</i> , 1992, T41, 187-189.	2.5	5
326	Auger studies of transition metal oxides. <i>Journal of Molecular Structure</i> , 1982, 79, 177-180.	3.6	4
327	5f electronic structure of UPt4Ir by XPS and BIS. <i>Journal of Magnetism and Magnetic Materials</i> , 1985, 47-48, 218-220.	2.3	4
328	Hole pairing within an extended Anderson impurity model applicable to the high-Tccuprates. <i>Physical Review B</i> , 1989, 39, 12286-12289.	3.2	4
329	Investigations of oxide superconductors by x-ray absorption, photoemission and cognate spectroscopies. <i>Phase Transitions</i> , 1989, 19, 69-85.	1.3	4
330	Studies on BaO particles in nanosize regime. <i>Scripta Materialia</i> , 1996, 7, 557-564.	0.5	4
331	Novel spectralevolution with electron doping in d0 transition metal oxides. <i>Physica B: Condensed Matter</i> , 1996, 223-224, 496-500.	2.7	4
332	Strong electron correlation of Re 5d electrons in Ca2FeReO6. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 337-339.	1.7	4
333	Electrochemical Energy Storage: The Indian Scenario. <i>ACS Energy Letters</i> , 2016, 1, 1162-1164.	17.4	4
334	Surface electronic structure of the high-Tc oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 153-155, 151-152.	1.2	3
335	Comment on "Spectral Evidence for the Importance of Single-Site Effects in Heavy-Fermion Uranium Materials". <i>Physical Review Letters</i> , 1988, 61, 651-651.	7.8	3
336	Calculated oxygen 1s core-level photoemission spectra from cuprate superconductors. <i>Pramana - Journal of Physics</i> , 1991, 37, 135-140.	1.8	3
337	Resonant photoemission studies of the magnetic-nonmagnetic U(Sn,In)3 system. <i>Physica B: Condensed Matter</i> , 1994, 199-200, 622-624.	2.7	3
338	Sr2FeMoO6: A Prototype to Understand a New Class of Magnetic Materials. <i>Hyperfine Interactions</i> , 2005, 160, 67-79.	0.5	3
339	Robust dielectric properties of B-site size-disordered hexagonal <math>\text{Ln}_2\text{CuTiO}_6</math> (<math>\text{Ln} = \text{Y, Dy, Ho}</math>). <i>Tj ETQq1</i> 1 0.7843 1.2 3	1.2	3
340	Electronic structure origin of conductivity and oxygen reduction activity changes in low-level Cr-substituted (La,Sr)MnO3. <i>Journal of Chemical Physics</i> , 2015, 143, 114705.	3.0	3
341	Composition driven structural transition in La2â~Sr CuRuO6 (0Â~1) double perovskites. <i>Journal of Alloys and Compounds</i> , 2017, 693, 1096-1101.	5.5	3
342	RF and microwave dielectric response investigation of high-k yttrium copper titanate ceramic for electronic applications. <i>Microelectronic Engineering</i> , 2018, 194, 15-18.	2.4	3

#	ARTICLE	IF	CITATIONS
343	Photoemission studies of the high $T_C$ superconductor, $\text{YBa}_{2-x}\text{Cu}_{3-y}\text{O}_{7-z}$ . Phase Transitions, 1987, 10, 39-47.	1.3	2
344	Disorder induced effects on electronic structure of transition metal oxides. Journal of Electron Spectroscopy and Related Phenomena, 1996, 78, 37-42.	1.7	2
345	Electronic structure of early transition metal oxides, $\text{Ca}_{1-x}\text{Sr}_x\text{VO}_3$ and $\text{La}_{1-x}\text{Ca}_x\text{VO}_3$ : What can we learn from photoelectron spectroscopy. Thin Solid Films, 2005, 486, 162-169.	1.8	2
346	A microspectroscopic study of the electronic homogeneity of ordered and disordered $\text{Sr}_2\text{FeMoO}_6$ . Journal of Chemical Sciences, 2006, 118, 87-92.	1.5	2
347	A charge self-consistent LDA+DMFT study of the spectral properties of hexagonal NiS. New Journal of Physics, 2014, 16, 093049.	2.9	2
348	Depth Profiling and Internal Structure Determination of Low Dimensional Materials Using X-ray Photoelectron Spectroscopy. Springer Series in Surface Sciences, 2016, , 309-339.	0.3	2
349	We Editors Are Authors, Too. ACS Energy Letters, 2019, 4, 249-250.	17.4	2
350	Alkoxide based deposition and properties of a multilayer $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{CoFeO}_4/\text{La}_{0.67}\text{Sr}_{0.33}$ film. European Journal of Inorganic Chemistry, 2021, 2021, 1736-1744.	2.5	2
351	Temperature-dependent anomalous $\text{Mn}^{2+}$ emission and excited state dynamics in $\text{Mn}^{2+}$ -doped $\text{MAPbCl}_{3-x}\text{Br}_x$ nanocrystals. Journal of Chemical Sciences, 2021, 133, 1.	1.5	2
352	Local structural evolution in the anionic solid solution $\text{Zn}_{\text{Sex}}\text{S}_{1-x}$ . Physical Review B, 2021, 104, .	3.2	2
353	Origin of the insulating state in $\text{NaCuO}_2$ . Journal of Chemical Sciences, 1994, 106, 393-405.	1.5	2
354	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.	2.6	1
355	Analysis of the Gd 4d-XA Auger spectrum using synchrotron radiation. Physical Review B, 1993, 47, 9199-9202.	3.2	1
356	Mössbauer Study of $\text{La}_{1-x}\text{Ca}_x\text{Mn}_{1-y}\text{Fe}_y\text{O}_3$ with $x=0.025$ ; $y=0.01$ . Hyperfine Interactions, 2002, 139/140, 623-629.	0.5	1
357	XAFS study on $\text{Sr}_2\text{FeMoxW}_{1-x}\text{O}_6$ double perovskite series. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 226-229.	3.5	1
358	Theoretical study of doped $\text{Tl}_2\text{Mn}_2\text{O}_7$ and $\text{Tl}_2\text{Mn}_2\text{O}_7$ under pressure. Physical Review B, 2007, 75, .	3.2	1
359	Nature of the charge carriers in $\text{LaAlO}_3$ - $\text{SrTiO}_3$ oxide heterostructures probed using hard X-ray photoelectron spectroscopy. Europhysics Letters, 2018, 123, 47003.	2.0	1
360	COVID-19 and the Climate Crisis: Challenges and Opportunities (The Times They Are A-Changin'). ACS Energy Letters, 2020, 5, 2916-2918.	17.4	1

#	ARTICLE	IF	CITATIONS
361	He II spectra of La, Ce and Yb: Novel features in the valence band region. Pramana - Journal of Physics, 1983, 21, 227-231.	1.8	0
362	Bremsstrahlen isochromat spectroscopy of NpO <sub>2</sub> . Journal of the Less Common Metals, 1986, 122, 600.	0.8	0
363	Optical and Electronic Properties of Conjugated Polymer -Nanocluster Semiconductor Hybrid Systems. Materials Research Society Symposia Proceedings, 1998, 519, 265.	0.1	0
364	Electron spectroscopic investigation of metal-insulator transition in Ce <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> . Journal of Chemical Sciences, 2003, 115, 491-498.	1.5	0
365	ELECTRONIC STRUCTURE OF SEMICONDUCTOR NANOCRYSTALS: AN ACCURATE TIGHT-BINDING DESCRIPTION. International Journal of Nanoscience, 2005, 04, 893-899.	0.7	0
366	Dedicated to Professor C. N. R. Rao on the Occasion of His 80th Birthday. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1019-1019.	1.2	0
367	High-k YCTO thin films for electronics. , 2018, , .		0
368	Properties of [Fe <sub>4</sub> Cu <sub>2</sub> ] magnetic cluster compound. Bulletin of Materials Science, 2021, 44, 1.	1.7	0