

Dipankar Das Sarma

List of Publications by Year in descending order

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times ranked

16558
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#	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.	0.8	575
2	Electronic Structure of Sr ₂ FeMoO ₆ . Physical Review Letters, 2000, 85, 2549-2552.	2.9	474
3	Near-Room-Temperature Colossal Magnetodielectricity and Multiglass Properties in Partially Disordered $\text{La}_{1-x}\text{Mn}_2\text{NiMnO}_6$. Physical Review Letters, 2012, 108, 127201.	2.9	375
4	Size-Selected Zinc Sulfide Nanocrystallites: Synthesis, Structure, and Optical Studies. Chemistry of Materials, 2000, 12, 1018-1024.	3.2	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.	1.1	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, .	1.1	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.	1.1	282
9	Synthesis and Characterization of Mn-Doped ZnO Nanocrystals. Journal of Physical Chemistry B, 2004, 108, 6303-6310.	1.2	279
10	Band Theory for Ground-State Properties and Excitation Spectra of Perovskite LaMO_3 (M=Mn, Fe, Co). <small>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</small>	2.9	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.	13.3	262
12	To Dope Mn ²⁺ in a Semiconducting Nanocrystal. Journal of the American Chemical Society, 2008, 130, 10605-10611.	6.6	237
13	Emission Properties of Manganese-Doped ZnS Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 1663-1668.	1.2	236
14	Physics of Ultrathin Films and Heterostructures of Rare-Earth Nickelates. Annual Review of Materials Research, 2016, 46, 305-334.	4.3	236
15	Role of Polar Phonons in the Photo Excited State of Metal Halide Perovskites. Scientific Reports, 2016, 6, 28618.	1.6	234
16	Advances in Light-Emitting Doped Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2011, 2, 2818-2826.	2.1	230
17	Magnetoresistance in ordered and disordered double perovskite oxide, Sr ₂ FeMoO ₆ . Solid State Communications, 2000, 114, 465-468.	0.9	226
18	Luminescence, Plasmonic, and Magnetic Properties of Doped Semiconductor Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 7038-7054.	7.2	211

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19	Expanding Interlayer Spacing in MoS ₂ for Realizing an Advanced Supercapacitor. ACS Energy Letters, 2019, 4, 1602-1609.	8.8	195
20	Electronic structure of electron doped SrTiO ₃ :SrTiO ₃ and Sr _{1-x} La _x TiO ₃ . Physical Review B, 1998, 57, 2153-2158.	1.1	193
21	Highly Luminescent Mn-Doped ZnS Nanocrystals: Gram-Scale Synthesis. Journal of Physical Chemistry Letters, 2010, 1, 1454-1458.	2.1	192
22	Electron spectroscopic investigation of the semiconductor-metal transition in La _{1-x} Sr _x MnO ₃ . Physical Review B, 1993, 47, 15397-15403.	1.1	189
23	A new class of magnetic materials: Sr ₂ FeMoO ₆ and related compounds. Current Opinion in Solid State and Materials Science, 2001, 5, 261-268.	5.6	163
24	Photoelectron spectroscopic study of CdS nanocrystallites. Physical Review B, 1999, 59, 7473-7479.	1.1	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.	1.5	152
26	White Light from Mn ²⁺ -Doped CdS Nanocrystals: A New Approach. Journal of Physical Chemistry C, 2007, 111, 13641-13644.	1.5	146
27	Unusual Directional Dependence of Exchange Energies in GaAs Diluted with Mn: Is the RKKY Description Relevant?. Physical Review Letters, 2004, 93, 177201.	2.9	141
28	Status of the crystallography beamlines at Elettra. European Physical Journal Plus, 2015, 130, 1.	1.2	141
29	On the Suppression of Superconductivity in Y _{1-x} Pr _x Ba ₂ Cu ₃ O _{7-δ} . Europhysics Letters, 1988, 5, 567-571.	0.7	139
30	Is CH ₃ NH ₃ PbI ₃ Polar?. Journal of Physical Chemistry Letters, 2016, 7, 2412-2419.	2.1	134
31	Photoemission study of YBa ₂ Cu ₃ O ₇ through the superconducting transition: Evidence for oxygen dimerization. Physical Review B, 1987, 36, 2371-2373.	1.1	129
32	Electronic Structure of CH ₃ NH ₃ PbX ₃ Perovskites: Dependence on the Halide Moiety. Journal of Physical Chemistry C, 2015, 119, 1818-1825.	1.5	127
33	Calculation of Coulomb interaction strengths for 3d transition metals and actinides. Physical Review B, 1989, 39, 3517-3521.	1.1	114
34	Ab initio study of disorder effects on the electronic and magnetic structure of Sr ₂ FeMoO ₆ . Physical Review B, 2001, 64, .	1.1	112
35	Temperature-dependent photoemission spectral weight in La _{0.6} Sr _{0.4} MnO ₃ . Physical Review B, 1996, 53, 6873-6876.	1.1	107
36	Covalency-driven unusual metal-insulator transition in nickelates. Physical Review B, 1994, 49, 8475-8478.	1.1	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>Europ physics Letters</i> , 2001, 55, 246-252.	0.7	103
38	Behavior of Methylammonium Dipoles in MAPbX_3 (X = Br and I). <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4113-4121.	2.1	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.	1.3	102
40	Electronic and Magnetic Structures of $\text{Sr}_2\text{FeMoO}_6$. <i>Physical Review Letters</i> , 2001, 87, 097204.	2.9	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.	4.5	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.	1.1	95
44	Photoemission and inverse photoemission of transition-metal silicides. <i>Physical Review B</i> , 1989, 39, 6008-6016.	1.1	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, .	1.1	91
46	Electronic structure of $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$. <i>Physical Review B</i> , 1993, 48, 14818-14825.	1.1	88
47	Evolution of Spectral Function in a Doped Mott Insulator: Surface vs Bulk Contributions. <i>Physical Review Letters</i> , 1998, 80, 2885-2888.	2.9	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.	2.9	88
49	Direct Observation of Large Electronic Domains with Memory Effect in Doped Manganites. <i>Physical Review Letters</i> , 2004, 93, 097202.	2.9	87
50	Selective growth of single phase VO_2 (A, B, and M) polymorph thin films. <i>APL Materials</i> , 2015, 3, .	2.2	84
51	Critical Comparison of FAPbX_3 and MAPbX_3 (X = Br and Cl): How Do They Differ?. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13758-13766.	1.5	84
52	Methanol oxidation on carbon-supported platinum-tin electrodes in sulfuric acid. <i>Journal of Power Sources</i> , 1994, 50, 295-309.	4.0	83
53	Realistic tight-binding model for the electronic structure of II-VI semiconductors. <i>Physical Review B</i> , 2002, 66, .	1.1	83
54	Structural and magnetic properties of $\text{Sr}_2\text{Fe}_{1+x}\text{Mo}_6\text{O}_{24}$ ($0 \leq x \leq 0.25$). <i>Physical Review B</i> , 2006, 73, .	1.1	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.	1.1	80
56	Study of the Growth of Capped ZnO Nanocrystals: A Route to Rational Synthesis. Chemistry - A European Journal, 2006, 12, 180-186.	1.7	79
57	Large magnetoresistance in $\text{La}_{1-x}\text{SrxMnO}_3$ and its dependence on magnetization. Applied Physics Letters, 1995, 66, 233-235.	1.5	76
58	Disorder Effects in Electronic Structure of Substituted Transition Metal Compounds. Physical Review Letters, 1998, 80, 4004-4007.	2.9	76
59	Pressure Tuning of Electron-Phonon Coupling: The Insulator to Metal Transition in Manganites. Physical Review Letters, 2003, 91, 175501.	2.9	75
60	Photoemission spectroscopy of size selected zinc sulfide nanocrystallites. Journal of Applied Physics, 2001, 90, 2504-2510.	1.1	74
61	Electronic structure of Ca_3CoXO_6 (X=Co, Rh, Ir) studied by x-ray photoemission spectroscopy. Physical Review B, 2005, 71, .	1.1	74
62	Blue-Emitting Copper-Doped Zinc Oxide Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 22310-22312.	1.2	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.	0.9	72
64	White-light emission from a blend of CdSeS nanocrystals of different Se:S ratio. Nanotechnology, 2007, 18, 075401.	1.3	72
65	Anisotropic magnetic couplings and structure-driven canted to collinear transitions in magnetically constrained noncollinear DFT. Physical Review B, 2015, 92, .		
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.	1.1	69
67	Electronic Phase Separation in Correlated Oxides: The Phenomenon, Its Present Status and Future Prospects. ChemPhysChem, 2006, 7, 2053-2059.	1.0	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.	3.1	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, .	1.1	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, .	1.1	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.	2.9	64

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91	Origin of Cu and Zn L ₂ - and L ₃ -M ₄₅ Auger satellites: Breakdown of the sudden approximation. <i>Physical Review Letters</i> , 1989, 63, 656-659.	2.9	53
92	Spectral functions in doped transition metal oxides. <i>Europhysics Letters</i> , 1996, 36, 307-312.	0.7	53
93	Electronic structure of $\text{In}_{1-x}\text{Mn}_x\text{As}$ studied by photoemission spectroscopy: Comparison with $\text{Ga}_{1-x}\text{Mn}_x\text{As}$. <i>Physical Review B</i> , 2002, 65, .	1.1	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.	1.1	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.	1.2	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.	1.1	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.	6.6	50
98	Electronic structure of high-T _c superconductors from core-level spectroscopies. <i>Physical Review B</i> , 1988, 37, 7948-7951.	1.1	49
99	Photoelectron-spectroscopy investigation of the spin-state transition in LaCoO_3 . <i>Physical Review B</i> , 1994, 49, 13979-13982.	1.1	49
100	Interatomic Auger transitions in transition-metal oxides. <i>Physical Review B</i> , 1982, 25, 2927-2929.	1.1	48
101	Appearance of Correlation Effects in U Intermetallics. <i>Physical Review Letters</i> , 1986, 57, 2215-2218.	2.9	48
102	Theoretical analysis of x-ray-absorption near-edge fine structure at the O and metal K edges of LaFeO_3 and LaCoO_3 . <i>Physical Review B</i> , 1997, 56, 2228-2233.	1.1	48
103	Synthesis and Spectroscopic Characterization of Highly Conducting BF ₃ -Doped Polyaniline. <i>Advanced Materials</i> , 2001, 13, 1548.	11.1	47
104	Electronic structure of millerite NiS. <i>Physical Review B</i> , 2002, 66, .	1.1	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.	2.1	47
106	Evolution of electronic structure with dimensionality in divalent nickelates. <i>Physical Review B</i> , 1999, 59, 12457-12470.	1.1	46
107	Evidence for correlation effects in Sr_2RuO_4 from resonant and x-ray photoemission spectroscopy. <i>Physical Review B</i> , 1996, 53, 8151-8154.	1.1	45
108	Enhanced photocatalytic efficiency of AuPd nanoalloy decorated ZnO-reduced graphene oxide nanocomposites. <i>RSC Advances</i> , 2015, 5, 8918-8928.	1.7	45

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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.	1.1	39
128	Chemically exfoliated MoS_2 layers: Spectroscopic evidence for the semiconducting nature of the dominant trigonal metastable phase. <i>Physical Review B</i> , 2017, 96, .	1.1	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.	1.4	37
131	Angle-Resolved Photoemission Spectroscopy of the Insulating Na_xWO_3 : Anderson Localization, Polaron Formation, and Remnant Fermi Surface. <i>Physical Review Letters</i> , 2006, 96, 147603.	2.9	37
132	Investigation of the L ₃ -M ₄₅ Auger spectra of Cu, Cu ₂ O and CuO. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 7607-7616.	0.7	36
133	Electronic Structure of Perovskite Oxides, LaMO_3 (M = Ti-Ni), from High-Energy Electron Spectroscopic Investigations. <i>Journal of Solid State Chemistry</i> , 1994, 111, 208-216.	1.4	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.	2.8	36
135	Electronic structure and bonding properties in TiSi_2 . <i>European Physical Journal B</i> , 1990, 78, 423-430.	0.6	35
136	Low-temperature electrical conductivity of. <i>Journal of Physics Condensed Matter</i> , 1996, 8, L631-L636.	0.7	35
137	Correlation satellite driven by reduced dimensionality. <i>Europhysics Letters</i> , 1997, 39, 429-434.	0.7	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, .	1.1	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, .	1.1	35
140	Solution-Processed Free-Standing Ultrathin Two-Dimensional PbS Nanocrystals with Efficient and Highly Stable Dielectric Properties. <i>Chemistry of Materials</i> , 2017, 29, 1175-1182.	3.2	35
141	Photoemission study of porous silicon. <i>Applied Physics Letters</i> , 1992, 61, 1655-1657.	1.5	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.	1.0	34
143	Local structure in LaMnO_3 and CaMnO_3 perovskites: A quantitative structural refinement of Mn K-edge XANES data. <i>Physical Review B</i> , 2005, 72, .	1.1	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.	0.9	33

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145	Temperature dependence of non-Debye disorder in doped manganites. <i>Physical Review B</i> , 1997, 56, 3520-3523.	1.1	33
146	Electronic structure of one-dimensional cuprate, Sr ₂ CuO ₃ . <i>Europhysics Letters</i> , 1997, 37, 359-364.	0.7	33
147	Metal-insulator crossover behavior at the surface of NiS ₂ . <i>Physical Review B</i> , 2003, 67, .	1.1	33
148	Phase Diagram and Dielectric Properties of MA _{1-x} FA _x Pb ₃ . <i>ACS Energy Letters</i> , 2019, 4, 2045-2051.	8.8	33
149	Origin of nonmetallicity in PrBa ₂ Cu ₃ O ₇ from a study of Gd _{1-x} Pr _x Ba ₂ Cu ₃ O ₇ using soft x-ray absorption at the oxygen K-edge. <i>Solid State Communications</i> , 1991, 77, 377-379.	0.9	32
150	Study of electron states of solids by techniques of electron spectroscopy. <i>Journal of Solid State Chemistry</i> , 1982, 45, 14-39.	1.4	31
151	Electronic structure and the metal-insulator transition in LnNiO ₃ (Ln=La, Pr, Nd, Sm and Ho): bandstructure results. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 10467-10474.	0.7	31
152	Amorphous W _{1-x} S _x N thin films: The atomic structure behind ultra-low friction. <i>Acta Materialia</i> , 2015, 82, 84-93.	3.8	31
153	Competing Roles of Substrate Composition, Microstructure, and Sustained Strontium Release in Directing Osteogenic Differentiation of hMSCs. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19389-19408.	4.0	31
154	Why Does CuFeS ₂ Resemble Gold?. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 696-701.	2.1	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.	1.9	31
156	Substrate Integrated Nickel-Iron Ultrabattery with Extraordinarily Enhanced Performances. <i>ACS Energy Letters</i> , 2016, 1, 82-88.	8.8	29
157	Systematics in the core level spectra of Th-intermetallics. <i>European Physical Journal B</i> , 1986, 63, 305-311.	0.6	28
158	The electronic structure of 4d and 5d silicides. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 9117-9129.	0.7	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.	1.1	28
160	Electronic structure of Y _{2-x} CaxBaNiO ₅ from photoemission and inverse photoemission. <i>Physical Review B</i> , 1998, 58, 9746-9751.	1.1	28
161	In situ Photoemission Study of the Room Temperature Ferromagnet ZnGeP ₂ †Mn. <i>Physical Review Letters</i> , 2003, 91, 107202.	2.9	28
162	4f-states in f ³ - and f [±] -like Ce compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1985, 47-48, 221-224.	1.0	27

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163	Correlation between ligand density of states and 5f delocalization in uranium intermetallic compounds. <i>Physical Review B</i> , 1986, 33, 4376-4377.	1.1	27
164	Synchrotron-radiation study of the satellites in NiL ₃ -M _{4,5} M _{4,5} Auger spectra. <i>Physical Review B</i> , 1989, 40, 12542-12545.	1.1	27
165	Electronic Structure of and the Metal-Insulator Transition in La _{1-x} Sr _x CoO _{3-δ} : A Soft-X-Ray Absorption Study. <i>Europhysics Letters</i> , 1992, 19, 513-518.	0.7	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.	2.9	27
167	Electron and hole doping in the relativistic Mott insulator $Sr_{2-x}IrO_4$: A first-principles study using <i>Journal of Physics Condensed Matter</i> , 1997, 9, 3129-3138.	1.1	27
168	Electronic structure of and from ab initio spin-polarized calculations. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 3129-3138.	0.7	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, .	1.1	26
171	X-ray emission and absorption studies of silicides in relation to their electronic structure. <i>Physica Scripta</i> , 1990, 41, 629-633.	1.2	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.	0.7	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.	2.2	25
174	Surface defect segregation in the perovskite-type ferroelectric KNbO ₃ . <i>Applied Physics Letters</i> , 1986, 48, 490-492.	1.5	24
175	Sarma et al. reply. <i>Physical Review Letters</i> , 1991, 66, 967-967.	2.9	24
176	Electronic Band Structure of Cadmium Chromium Chalcogenide Spinel: CdCr ₂ S ₄ and CdCr ₂ Se ₄ . <i>Journal of Solid State Chemistry</i> , 2000, 155, 198-205.	1.4	24
177	Efficient Solid-State Light-Emitting CuCdS Nanocrystals Synthesized in Air. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2643-2648.	7.2	24
178	Dielectric investigation of high-k yttrium copper titanate thin films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1080-1087.	2.7	24
179	5f-band width and hybridization in uranium silicides. <i>Physical Review B</i> , 1988, 38, 1-7.	1.1	23
180	Electronic structure of high-T _c cuprates from core-level photoemission spectroscopy. <i>Physical Review B</i> , 1989, 39, 11570-11574.	1.1	23

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181	The electronic structure of NiAl and NiSi. Journal of Physics Condensed Matter, 1989, 1, 9131-9139.	0.7	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.	1.1	23
183	Strong correlation effects in the electronic structure of Sr ₂ FeMoO ₆ . Physical Review B, 2003, 67, .	1.1	23
184	Modulation of glyceraldehyde-3-phosphate dehydrogenase activity by surface functionalized quantum dots. Physical Chemistry Chemical Physics, 2014, 16, 5276.	1.3	23
185	Electron spectroscopy of valence and core states of U intermetallic compounds. Journal of Magnetism and Magnetic Materials, 1987, 63-64, 509-511.	1.0	22
186	Electronic structure of NaCuO ₂ . Physical Review B, 1993, 47, 10927-10930.	1.1	22
187	High photon energy spectroscopy of NiO: Experiment and theory. Physical Review B, 2016, 93, .	1.1	22
188	Fe ₂ O ₃ -Based Core-Shell-Nanorod Structured Positive and Negative Electrodes for a High-Performance Fe ₂ O ₃ /MnO ₂ Asymmetric Supercapacitor. Journal of the Electrochemical Society, 2017, 164, A2707-A2715.	1.3	22
189	Can SHG Measurements Determine the Polarity of Hybrid Lead Halide Perovskites?. ACS Energy Letters, 2018, 3, 1887-1891.	8.8	22
190	Hexagonal WO ₃ Nanorods as Ambipolar Electrode Material in Asymmetric WO ₃ /MnO ₂ Supercapacitor. Journal of the Electrochemical Society, 2018, 165, A2108-A2114.	1.3	22
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