

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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#	ARTICLE	IF	CITATIONS
1	All-alkoxide based deposition and properties of a multilayer $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{CoFe}_2\text{O}_4/\text{La}_{0.67}\text{Sr}_{0.33}$ film. European Journal of Inorganic Chemistry, 2021, 2021, 1736-1744.	2.6	0.33
2	Temperature-dependent anomalous Mn^{2+} emission and excited state dynamics in Mn^{2+} -doped $\text{MAPbCl}_{3-x}\text{Br}_x$ nanocrystals. Journal of Chemical Sciences, 2021, 133, 1.	1.5	2
3	Contrasting Effects of FA Substitution on MA/FA Rotational Dynamics in $\text{FA}_x\text{MA}_{1-x}\text{PbI}_3$. Journal of Physical Chemistry C, 2021, 125, 13666-13676.	3.1	7
4	Properties of $[\text{Fe}_4\text{Cu}_2]$ magnetic cluster compound. Bulletin of Materials Science, 2021, 44, 1.	1.7	0
5	Exploring Librational Pathways with on-the-Fly Machine-Learning Force Fields: Methylammonium Molecules in MAPbX_3 ($X = \text{I}, \text{Br}, \text{Cl}$) Perovskites. Journal of Physical Chemistry C, 2021, 125, 21077-21086.	3.1	14
6	Essential Considerations for Reporting Thermoelectric Properties. ACS Energy Letters, 2021, 6, 3715-3718.	17.4	9
7	Local structural evolution in the anionic solid solution $\text{ZnSe}_{1-x}\text{S}_x$. Physical Review B, 2021, 104, .	3.2	2
8	On the origin of metallicity and stability of the metastable phase in chemically exfoliated MoS_2 . Applied Materials Today, 2020, 19, 100544.	4.3	8
9	Conducting $\text{LaVO}_3/\text{SrTiO}_3$ Interface: Is Cationic Stoichiometry Mandatory?. Advanced Materials Interfaces, 2020, 7, 1900941.	3.7	17
10	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
11	Contrasting Behaviors of FA and MA Cations in APbBr_3 . Journal of Physical Chemistry Letters, 2020, 11, 9669-9679.	4.6	16
12	Signatures of a Spin-12 Cooperative Paramagnet in the Diluted Triangular Lattice of Y_2CuTiO_6 . Physical Review Letters, 2020, 125, 117206.	7.8	14
13	Complexity of mixed allotropes of MoS_2 unraveled by first-principles theory. Physical Review B, 2020, 102, .	3.2	5
14	Nature and origin of unusual properties in chemically exfoliated 2D MoS_2 . APL Materials, 2020, 8, 040909.	5.1	9
15	Magnetic polarons and spin-glass behavior in insulating $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ ($x=0.125$ and 0.15). Physical Review Research, 2020, 2, .	3.6	7
16	Defects, conductivity and photoconductivity in Ar^+ bombarded KTaO_3 . Journal of Applied Physics, 2019, 126, 035303.	2.5	12
17	Peculiar magnetic states in the double perovskite $\text{Nd}_2\text{Mn}_2\text{O}_{10}$. Physical Review B, 2019, 100, .	3.2	11
18	Phase Diagram and Dielectric Properties of $\text{MA}_x\text{FA}_{1-x}\text{PbI}_3$. ACS Energy Letters, 2019, 4, 2045-2051.	17.4	33

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19	Ground-state ferrimagnetism and magneto-caloric effects in Nd ₂ NiMnO ₆ . Materials Research Express, 2019, 6, 116122.	1.6	7
20	The limit to realize an isolated magnetic single skyrmionic state. Journal of Materials Chemistry C, 2019, 7, 1337-1344.	5.5	5
21	Expanding Interlayer Spacing in MoS ₂ for Realizing an Advanced Supercapacitor. ACS Energy Letters, 2019, 4, 1602-1609.	17.4	195
22	Tuning copper sulfide nanosheets by cation exchange reactions to realize two-dimensional CZTS dielectric layers. Journal of Materials Chemistry A, 2019, 7, 9782-9790.	10.3	14
23	Charge disproportionate antiferromagnetism at the verge of the insulator-metal transition in doped LaFeO_3 . Physical Review B, 2019, 99, .	3.2	12
24	We Editors Are Authors, Too. ACS Energy Letters, 2019, 4, 249-250.	17.4	2
25	Critical Comparison of FAPbX ₃ and MAPbX ₃ (X = Br and Cl): How Do They Differ?. Journal of Physical Chemistry C, 2018, 122, 13758-13766.	3.1	84
26	RF and microwave dielectric response investigation of high-k yttrium copper titanate ceramic for electronic applications. Microelectronic Engineering, 2018, 194, 15-18.	2.4	3
27	Designing a Lower Band Gap Bulk Ferroelectric Material with a Sizable Polarization at Room Temperature. ACS Energy Letters, 2018, 3, 1176-1182.	17.4	56
28	Effect of anti-site disorder on magnetism in LaMnO_3 . Physical Review B, 2018, 97, .	2.2	58
29	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
30	Why Does CuFeS ₂ Resemble Gold?. Journal of Physical Chemistry Letters, 2018, 9, 696-701.	4.6	31
31	Realizing an Asymmetric Supercapacitor Employing Carbon Nanotubes Anchored to Mn ₃ O ₄ Cathode and Fe ₃ O ₄ Anode. ACS Applied Materials & Interfaces, 2018, 10, 42484-42493.	8.0	57
32	The origin of low bandgap and ferroelectricity of a co-doped BaTiO ₃ . Europhysics Letters, 2018, 124, 27005.	2.0	8
33	Building Better Batteries: A Travel Back in Time. ACS Energy Letters, 2018, 3, 2841-2845.	17.4	43
34	Synthetic Control on Structure/Dimensionality and Photophysical Properties of Low Dimensional Organic Lead Bromide Perovskite. Inorganic Chemistry, 2018, 57, 13443-13452.	4.0	31
35	Nature of the charge carriers in LaAlO ₃ -SrTiO ₃ oxide heterostructures probed using hard X-ray photoelectron spectroscopy. Europhysics Letters, 2018, 123, 47003.	2.0	1
36	Evolution of the Local Structure within Chromophoric Mn ²⁺ O ₅ Trigonal Bipyramids in YMn ²⁺ In ³⁺ O ₃ with Composition. Inorganic Chemistry, 2018, 57, 9012-9019.	4.0	12

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55	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
56	Investigation of high- <i>k</i> yttrium copper titanate thin films as alternative gate dielectrics. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 405303.	2.8	6
57	Chemical Tailoring of Band Offsets at the Interface of ZnSe/CdS Heterostructures for Delocalized Photoexcited Charge Carriers. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10118-10128.	3.1	17
58	Substrate Integrated Nickel-Iron Ultrabattery with Extraordinarily Enhanced Performances. <i>ACS Energy Letters</i> , 2016, 1, 82-88.	17.4	29
59	Physics of Ultrathin Films and Heterostructures of Rare-Earth Nickelates. <i>Annual Review of Materials Research</i> , 2016, 46, 305-334.	9.3	236
60	Role of Polar Phonons in the Photo Excited State of Metal Halide Perovskites. <i>Scientific Reports</i> , 2016, 6, 28618.	3.3	234
61	Effect of impurity substitution on band structure and mass renormalization of the correlated $\text{FeTe}_{0.5}\text{Se}_{0.5}$ superconductor. <i>Physical Review B</i> , 2016, 93, .	3.2	5
62	High photon energy spectroscopy of NiO: Experiment and theory. <i>Physical Review B</i> , 2016, 93, .	3.2	22
63	Origin and distribution of charge carriers in $\text{LaAlO}_3/\text{SrTiO}_3$ heterostructure. <i>Physical Review B</i> , 2016, 93, .	3.2	22
64	Origin of the Spin-Orbital Liquid State in a Nearly Perovskite BaIr_2O_9 . <i>Physical Review Letters</i> , 2016, 117, 177001.	7.8	58
65	Electrochemical Energy Storage: The Indian Scenario. <i>ACS Energy Letters</i> , 2016, 1, 1162-1164.	17.4	4
66	Unusual Dirac Fermions on the Surface of a Noncentrosymmetric BiPd Superconductor. <i>Physical Review Letters</i> , 2016, 117, 177001.	7.8	21
67	Organization dependent collective magnetic properties of secondary nanostructures with differential spatial ordering and magnetic easy axis orientation. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 408, 127-136.	2.3	10
68	$\text{CH}_3\text{NH}_3\text{PbI}_3$ Polar?. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2412-2419.	4.6	134
69	Electrical and Plasmonic Properties of Ligand-Free Sn^{4+} -Doped In_2O_3 (ITO) Nanocrystals. <i>ChemPhysChem</i> , 2016, 17, 710-716.	2.1	9
70	Depth Profiling and Internal Structure Determination of Low Dimensional Materials Using X-ray Photoelectron Spectroscopy. <i>Springer Series in Surface Sciences</i> , 2016, , 309-339.	0.3	2
71	Dielectric investigation of high- <i>k</i> yttrium copper titanate thin films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1080-1087.	5.5	24
72	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

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73	Anisotropic magnetic couplings and structure-driven canted to collinear transitions in $\text{SrMn}_2\text{P}_2\text{O}_{10}$ magnetically constrained noncollinear DFT. <i>Physical Review B</i> , 2015, 92, .		
74	Influence of dimensionality and interface type on optical and electronic properties of CdS/ZnS core-shell nanocrystals—A first-principles study. <i>Journal of Chemical Physics</i> , 2015, 143, 164701.	3.0	7
75	Selective growth of single phase VO ₂ (A, B, and M) polymorph thin films. <i>APL Materials</i> , 2015, 3, .	5.1	84
76	Electronic Structure Evolution across the Peierls Metal-Insulator Transition in a Correlated Ferromagnet. <i>Physical Review X</i> , 2015, 5, .	8.9	10
77	Electronic Structure of $\text{CH}_3\text{NH}_3\text{PbX}_3$ Perovskites: Dependence on the Halide Moiety. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1818-1825.	3.1	127
78	Efficient Solid-State Light-Emitting CuCdS Nanocrystals Synthesized in Air. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2643-2648.	13.8	24
79	Probing complex heterostructures using hard X-ray photoelectron spectroscopy (HAXPES). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 200, 332-339.	1.7	10
80	First-principles study of the influence of different interfaces and core types on the properties of CdSe/CdS core-shell nanocrystals. <i>Scientific Reports</i> , 2015, 5, 10865.	3.3	20
81	Status of the crystallography beamlines at Elettra. <i>European Physical Journal Plus</i> , 2015, 130, 1.	2.6	141
82	Electronic structure origin of conductivity and oxygen reduction activity changes in low-level Cr-substituted (La,Sr)MnO ₃ . <i>Journal of Chemical Physics</i> , 2015, 143, 114705.	3.0	3
83	Role of boron diffusion in CoFeB/MgO magnetic tunnel junctions. <i>Physical Review B</i> , 2015, 91, .	3.2	40
84	Neutron powder diffraction study of Ba ₃ ZnRu _{2-x} Ir _x O ₉ ($x=0, 1, 2$) with 6H-type perovskite structure. <i>Solid State Sciences</i> , 2015, 50, 58-64.	3.2	13
85	Enhanced photocatalytic efficiency of AuPd nanoalloy decorated ZnO-reduced graphene oxide nanocomposites. <i>RSC Advances</i> , 2015, 5, 8918-8928.	3.6	45
86	Amorphous WS ₂ thin films: The atomic structure behind ultra-low friction. <i>Acta Materialia</i> , 2015, 82, 84-93.	7.9	31
87	Robust dielectric properties of B-site size-disordered hexagonal $\text{Ln}_2\text{CuTiO}_6$ ($\text{Ln}=\text{Y, Dy, Ho}$). <i>Tj ETQq1</i> 1 0.7843 1.2 3		
88	Electronic band structure and Fermi surfaces of the quasi-two-dimensional monophosphate tungsten bronze, $\text{P}_4\text{W}_{12}\text{O}_{44}$. <i>Europhysics Letters</i> , 2014, 105, 47003.	2.0	5
89	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
90	Microscopic origin of low frequency noise in MoS ₂ field-effect transistors. <i>APL Materials</i> , 2014, 2, .	5.1	57

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91	NaOsO ₃ : A high Neel temperature 5doxide. Physical Review B, 2014, 89, .	3.2	21
92	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
93	A charge self-consistent LDA+DMFT study of the spectral properties of hexagonal NiS. New Journal of Physics, 2014, 16, 093049.	2.9	2
94	Magnetoresistance and electroresistance effects in Fe ₃ O ₄ nanoparticle system. Journal of Experimental Nanoscience, 2014, 9, 391-397.	2.4	13
95	Local disorder investigation in Ni ₂ Se using Raman and Ni K-edge x-ray absorption spectroscopies. Journal of Physics Condensed Matter, 2014, 26, 452201.	1.8	15
96	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
97	Throwing light on platinized carbon nanostructured composites for hydrogen generation. Energy and Environmental Science, 2014, 7, 4087-4094.	30.8	14
98	Modulation of glyceraldehyde-3-phosphate dehydrogenase activity by surface functionalized quantum dots. Physical Chemistry Chemical Physics, 2014, 16, 5276.	2.8	23
99	Determination of Internal Structures of Heterogeneous Nanocrystals Using Variable-Energy Photoemission Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 15534-15540.	3.1	16
100	STM verification of the reduction of the Young's modulus of CdS nanoparticles at smaller sizes. Surface Science, 2014, 630, 89-95.	1.9	12
101	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
102	Observation of magnetically hard grain boundaries in double-perovskite Sr ₂ FeMoO ₆ . Europhysics Letters, 2014, 108, 27003.	2.0	8
103	Rainbow Emission from an Atomic Transition in Doped Quantum Dots. Journal of Physical Chemistry Letters, 2014, 5, 2208-2213.	4.6	54
104	Reentrant Superspin Glass Phase in a $\text{La}_{0.82}\text{Ca}_{0.18}\text{MnO}_3$ Ferromagnetic Insulator. Physical Review Letters, 2012, 108, 127201.	8.9	20
105	Near-Room-Temperature Colossal Magnetodielectricity and Multiglass Properties in Partially Disordered $\text{La}_{2-x}\text{NiMnO}_6$. Physical Review Letters, 2012, 108, 127201.	7.8	375
106	Advances in Light-Emitting Doped Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2011, 2, 2818-2826.	4.6	230
107	Highly Luminescent Mn-Doped ZnS Nanocrystals: Gram-Scale Synthesis. Journal of Physical Chemistry Letters, 2010, 1, 1454-1458.	4.6	192
108	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

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109	To Dope Mn ²⁺ in a Semiconducting Nanocrystal. Journal of the American Chemical Society, 2008, 130, 10605-10611.	13.7	237
110	Synthesis of ZnSe Quantum Dots and ZnSe/ZnS Core/Shell Nanostructures. Journal of Nanoscience and Nanotechnology, 2007, 7, 1960-1964.	0.9	8
111	Theoretical study of doped Ti ₂ Mn ₂ O ₇ and Ti ₂ Mn ₂ O ₇ under pressure. Physical Review B, 2007, 75, .	3.2	1
112	Synthesis of CdSe Nanocrystals in a Noncoordinating Solvent: Effect of Reaction Temperature on Size and Optical Properties. Journal of Nanoscience and Nanotechnology, 2007, 7, 1965-1968.	0.9	26
113	White Light from Mn ²⁺ -Doped CdS Nanocrystals: A New Approach. Journal of Physical Chemistry C, 2007, 111, 13641-13644.	3.1	146
114	White-light emission from a blend of CdSeS nanocrystals of different Se:S ratio. Nanotechnology, 2007, 18, 075401.	2.6	72
115	Blue emitting polyaniline. Chemical Communications, 2006, , 2681.	4.1	14
116	Blue-Emitting Copper-Doped Zinc Oxide Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 22310-22312.	2.6	74
117	Transport and magnetic properties of conducting polyaniline doped with BX ₃ (X=F, Cl, and Br). Physical Review B, 2006, 73, .	3.2	11
118	Unraveling Internal Structures of Highly Luminescent PbSe Nanocrystallites Using Variable-Energy Synchrotron Radiation Photoelectron Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 15244-15250.	2.6	52
119	Structural and magnetic properties of Sr ₂ Fe _{1-x} Mo _x O ₆ (x=0.1, 0.25). Physical Review B, 2006, 73, .	3.2	83
120	Local structure and magneto-transport in Sr ₂ FeMoO ₆ oxides. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 189-193.	1.4	5
121	Quantitative structural refinement of MnK edge XANES in LaMnO ₃ and CaMnO ₃ perovskites. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 158-164.	1.4	12
122	XAFS study on Sr ₂ FeMo _x W _{1-x} O ₆ double perovskite series. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 226-229.	3.5	1
123	BF ₃ -doped polyaniline: A novel conducting polymer. Pramana - Journal of Physics, 2006, 67, 135-139.	1.8	17
124	A microspectroscopic study of the electronic homogeneity of ordered and disordered Sr ₂ FeMoO ₆ . Journal of Chemical Sciences, 2006, 118, 87-92.	1.5	2
125	Study of the Growth of Capped ZnO Nanocrystals: A Route to Rational Synthesis. Chemistry - A European Journal, 2006, 12, 180-186.	3.3	79
126	Electronic Phase Separation in Correlated Oxides: The Phenomenon, Its Present Status and Future Prospects. ChemPhysChem, 2006, 7, 2053-2059.	2.1	68

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127	Origin of Ferromagnetism and its Pressure and Doping Dependence in $\text{Ti}_2\text{Mn}_2\text{O}_7$. <i>Physical Review Letters</i> , 2006, 96, 087205.	7.8	14
128	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.	7.8	37
129	Understanding the bulk electronic structure of $\text{Ca}_{1-x}\text{Sr}_x\text{VO}_3$. <i>Physical Review B</i> , 2006, 73, .	3.2	66
130	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
131	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
132	Strong electron correlation of Re 5d electrons in $\text{Ca}_2\text{FeReO}_6$. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 337-339.	1.7	4
133	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. <i>Thin Solid Films</i> , 2005, 486, 162-169.	1.8	2
134	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
135	$\text{Sr}_2\text{FeMoO}_6$: A Prototype to Understand a New Class of Magnetic Materials. <i>Hyperfine Interactions</i> , 2005, 160, 67-79.	0.5	3
136	Electronic structure of Ca_3CoXO_6 ($X=\text{Co, Rh, Ir}$) studied by x-ray photoemission spectroscopy. <i>Physical Review B</i> , 2005, 71, .	3.2	74
137	Self-organization of polyaniline nanorods: Towards achieving a higher conductivity. <i>Applied Physics Letters</i> , 2005, 87, 093117.	3.3	14
138	Spin-Flop Ordering from Frustrated Ferro- and Antiferromagnetic Interactions: A Combined Theoretical and Experimental Study of a $\text{Mn/Fe}(100)$ Monolayer. <i>Physical Review Letters</i> , 2005, 95, 117201.	7.8	27
139	Magnetic Properties of Doped II-VI Semiconductor Nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 1503-1508.	0.9	16
140	Fabrication of cerium-doped LaNiO_3 thin films on LaAlO_3 (100) substrate by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2005, 98, 093527.	2.5	10
141	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, .	3.2	34
142	Emission Properties of Manganese-Doped ZnS Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1663-1668.	2.6	236
143	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
144	ELECTRONIC STRUCTURE OF SEMICONDUCTOR NANOCRYSTALS: AN ACCURATE TIGHT-BINDING DESCRIPTION. <i>International Journal of Nanoscience</i> , 2005, 04, 893-899.	0.7	0

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145	Angle-resolved photoemission spectroscopy of the metallic sodium tungsten bronzes Na_xWO_3 . <i>Physical Review B</i> , 2005, 72, .	3.2	20
146	Direct Observation of Large Electronic Domains with Memory Effect in Doped Manganites. <i>Physical Review Letters</i> , 2004, 93, 097202.	7.8	87
147	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
148	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
149	Optimization of a low-energy, high brightness electron gun for inverse photoemission spectrometers. <i>Review of Scientific Instruments</i> , 2004, 75, 1020-1025.	1.3	5
150	Understanding the quantum size effects in ZnO nanocrystals. <i>Journal of Materials Chemistry</i> , 2004, 14, 661.	6.7	297
151	NOVEL SPINTRONIC MATERIALS BASED ON FERROMAGNETIC SEMICONDUCTOR CHALCOPYRITES. <i>International Journal of Nanoscience</i> , 2004, 03, 39-50.	0.7	8
152	Synthesis and Characterization of Mn-Doped ZnO Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6303-6310.	2.6	279
153	Unusual Directional Dependence of Exchange Energies in GaAs Diluted with Mn: Is the RKKY Description Relevant?. <i>Physical Review Letters</i> , 2004, 93, 177201.	7.8	141
154	Evolution of the electronic structure with size in II-VI semiconductor nanocrystals. <i>Physical Review B</i> , 2004, 69, .	3.2	289
155	Electron spectroscopic investigation of metal-insulator transition in $\text{Ce}_{1-x}\text{Sr}_x\text{TiO}_3$. <i>Journal of Chemical Sciences</i> , 2003, 115, 491-498.	1.5	0
156	Novel Mn-doped chalcopyrites. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 1461-1468.	4.0	40
157	Metal-insulator crossover behavior at the surface of NiS_2 . <i>Physical Review B</i> , 2003, 67, .	3.2	33
158	Pressure Tuning of Electron-Phonon Coupling: The Insulator to Metal Transition in Manganites. <i>Physical Review Letters</i> , 2003, 91, 175501.	7.8	75
159	In situ Photoemission Study of the Room Temperature Ferromagnet ZnGeP_2 doped with Mn. <i>Physical Review Letters</i> , 2003, 91, 107202.	7.8	28
160	X-ray photoemission study of NiS_2 doped with S_x ($x=0.0$ to 1.2). <i>Physical Review B</i> , 2003, 68, .	3.2	21
161	Magnetic study of an amorphous conducting polyaniline. <i>Applied Physics Letters</i> , 2003, 82, 1733-1735.	3.3	18
162	Strong correlation effects in the electronic structure of $\text{Sr}_2\text{FeMoO}_6$. <i>Physical Review B</i> , 2003, 67, .	3.2	23

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163	Remarkable thermal stability of BF ₃ -doped polyaniline. Applied Physics Letters, 2003, 83, 2348-2350.	3.3	11
164	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
165	Optical and Magnetic Properties of Manganese-Doped Zinc Sulfide Nanoclusters. Journal of Nanoscience and Nanotechnology, 2003, 3, 392-400.	0.9	39
166	Spectroscopic investigation of the electronic structure of the hole-doped one-dimensional cuprates Ca ₂ CuO ₃ and Sr ₂ CuO ₃ . Physical Review B, 2002, 65, .	3.2	7
167	Electronic structure of millerite NiS. Physical Review B, 2002, 66, .	3.2	47
168	Electronic structure of In _{1-x} MnxAs studied by photoemission spectroscopy: Comparison with Ga _{1-x} MnxAs. Physical Review B, 2002, 65, .	3.2	53
169	Local structure of hole-doped manganites: influence of temperature and applied magnetic field. Journal of Physics Condensed Matter, 2002, 14, 1967-1974.	1.8	25
170	Realistic tight-binding model for the electronic structure of II-VI semiconductors. Physical Review B, 2002, 66, .	3.2	83
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