

Ajay

List of Publications by Year in descending order

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42
papers

173
citations

1307594

7
h-index

1281871

11
g-index

42
all docs

42
docs citations

42
times ranked

48
citing authors

#	ARTICLE	IF	CITATIONS
1	Model for c-axis resistivity of cuprate superconductors. <i>Physical Review B</i> , 1998, 57, 6126-6136.	3.2	17
2	Role of interlayer interactions on transition temperature in high-T _c cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 274, 73-80.	1.2	16
3	Tunable Josephson effect in hybrid parallel coupled double quantum dot-superconductor tunnel junction. <i>Superlattices and Microstructures</i> , 2014, 73, 193-202.	3.1	11
4	Effect of interlayer coupling on Néel temperature in copper oxide based antiferromagnets. <i>Physica Status Solidi (B): Basic Research</i> , 1995, 188, 787-793.	1.5	9
5	Temperature dependence of magnetization and optical magnon gap in bilayer antiferromagnetic YBa ₂ Cu ₃ O ₆ . <i>Physica C: Superconductivity and Its Applications</i> , 2001, 355, 31-38.	1.2	9
6	Thermodynamic properties of bilayer cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 323, 42-50.	1.2	8
7	Interplay of single particle and Cooper pair tunnelings on the superconducting state of layered high-T _c cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 353, 289-296.	1.2	7
8	Study of the Josephson supercurrent through nanoscopic superconducting-quantum dot tunnel junction. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1179-1183.	2.7	7
9	Quasi-particle spectrum and density of electronic states in AA- and AB-stacked bilayer graphene. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	7
10	Spin wave contribution to the thermal expansion of high-T _c cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 294, 270-274.	1.2	6
11	Role of interlayer coupling in the superconducting state of layered cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 316, 267-272.	1.2	6
12	Interplay of the single particle and Josephson Cooper pair tunneling on supercurrent across the superconducting quantum dot junction. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 42, 162-166.	2.7	6
13	Effect of an interband interaction on narrow-band superconductivity. <i>Physical Review B</i> , 1995, 51, 12658-12664.	3.2	5
14	Electronic Spectra of Iron Pnictide Superconductors: Influence of Multi-orbitals Hopping and Hund's Coupling. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 527-538.	1.8	5
15	Role of Dipole-Dipole Interaction on the Magnetic Dynamics of Anisotropic Layered Cuprate Antiferromagnets. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 226, 193-202.	1.5	4
16	Temperature dependence of the supercurrent density in bilayer cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 383, 388-394.	1.2	4
17	Study of doping-dependent shift in the chemical potential of high T _c cuprates by the J model. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 325, 201-209.	1.2	3
18	Role of Cu d-d inter-orbital electron correlation on the out-of-plane conduction in cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 371, 139-145.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Spectral properties of doped bilayer high T _c cuprates: Role of intra-bilayer coupling. Physica C: Superconductivity and Its Applications, 2005, 423, 127-136.	1.2	3
20	Electronic spectra of optimal doped bilayer and trilayer high-T _c cuprate superconductors. Physica C: Superconductivity and Its Applications, 2005, 423, 137-151.	1.2	3
21	Influence of three site exchange interaction on the electronic spectra of doped bilayer high T _c cuprates. Physica C: Superconductivity and Its Applications, 2008, 468, 237-243.	1.2	3
22	Electronic Spectral Function of Monolayer and Bilayer Graphene Nanostructures. Journal of Computational and Theoretical Nanoscience, 2013, 10, 2161-2173.	0.4	3
23	Influence of multi-orbital hopping and anisotropy in intra and inter orbital Coulomb interactions on the electronic spectra in iron pnictide superconductors. Physica C: Superconductivity and Its Applications, 2015, 510, 31-41.	1.2	3
24	Influence of multiorbital and anisotropic Coulomb interactions on isotope effect coefficient in doped Fe-based superconductors. Physica C: Superconductivity and Its Applications, 2017, 537, 17-22.	1.2	3
25	Influence of pseudo-gap and interlayer coupling on isotope effect in bilayer cuprate superconductors. Physica C: Superconductivity and Its Applications, 2021, 587, 1353895.	1.2	3
26	Superconducting properties of bilayer cuprates: role of CuO chains. Physica C: Superconductivity and Its Applications, 2000, 334, 215-228.	1.2	2
27	Role of interlayer coupling on the isotope effect in layered high-T _c cuprate superconductors. Physica C: Superconductivity and Its Applications, 2004, 415, 145-149.	1.2	2
28	Interplay of single particle and Josephson Cooper pair tunnelings on the electronic spectra of bilayer cuprate superconductors. Physica C: Superconductivity and Its Applications, 2007, 455, 46-51.	1.2	2
29	Influence of inter cell resonant tunneling on the out-of-plane electronic transport behavior in layered high T _c cuprates. European Physical Journal B, 2008, 66, 67-74.	1.5	2
30	Electronic spectrum of trilayer graphene. Indian Journal of Physics, 2014, 88, 813-829.	1.8	2
31	Quasi-particle dispersion and density of states in superconducting state of iron pnictide system. Materials Express, 2014, 4, 400-414.	0.5	2
32	Tunable Josephson supercurrent through a two level quantum dot superconductor tunnel junction. Journal of Computational Electronics, 2015, 14, 139-145.	2.5	2
33	Electronic spectra of doped bilayer high T _c cuprates within t ₂ -t ₃ -U model. Physica C: Superconductivity and Its Applications, 2006, 444, 31-39.	1.2	1
34	Influence of C-Axis Inter Unit Cell Resonant Tunneling on the Spectral Function in Bilayer Cuprates. Journal of Modern Physics, 2011, 02, 759-765.	0.6	1
35	Influence of interlayer coupling and intra-layer Coulomb interaction on electronic transport in bilayer graphene. Current Applied Physics, 2015, 15, 1205-1215.	2.4	1
36	Influence of Multi-orbitals, Coulomb Correlations and Hund's Coupling on Transition Temperature in Doped Fe-Based Superconductors. Journal of Superconductivity and Novel Magnetism, 2016, 29, 67-77.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Study of inter-band pair transfer and density of states on isotope effect in TTF[Ni (dmit) ₂] ₂ organic superconductor. Physica C: Superconductivity and Its Applications, 2020, 571, 1353591.	1.2	1
38	Bilayer exchange coupling and neel temperature of YBa ₂ Cu ₃ O _{6.2} . Pramana - Journal of Physics, 2000, 54, 423-429.	1.8	0
39	Condensation energy of the superconducting bilayer cuprates. Pramana - Journal of Physics, 2002, 58, 861-866.	1.8	0
40	Single particle spectral function in iron pnictide superconductors within two band model. , 2014, , .		0
41	Quasi-particle spectrum in trilayer graphene: Role of onsite coulomb interaction and interlayer coupling. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 65, 36-43.	2.7	0
42	Tunneling conductance in superconductor-hybrid double quantum dots Josephson junction. AIP Conference Proceedings, 2018, , .	0.4	0