Rajveer Jha

List of Publications by Year
in descending order

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95 papers	1,539 citations	377584 21 h-index	425179 34 g-index
95 all docs	95 docs citations	95 times ranked	1512 citing authors

#	Article	IF	Citations
1	Revealing an elusive metastable wurtzite CuFeS2 and the phase switching between wurtzite and chalcopyrite for thermoelectric thin films. Acta Materialia, 2022, 235, 118090.	3.8	10
2	High-pressure effects on superconducting properties and crystal structure of Bi-based layered superconductor La2O2Bi3Ag0.6Sn0.4S6. Journal of Physics Condensed Matter, 2021, 33, 225702.	0.7	3
3	Surface Electronic States and Inclining Surfaces in MoTe2 Probed by Photoemission Spectromicroscopy. Journal of the Physical Society of Japan, 2021, 90, 084704.	0.7	1
4	Improvement of superconducting properties by chemical pressure effect in Eu-doped La2-Eu O2Bi3Ag0.6Sn0.4S6. Physica C: Superconductivity and Its Applications, 2020, 576, 1353731.	0.6	4
5	Evolution of two bulk-superconducting phases in Sr0.5RE0.5FBiS2 (RE: La, Ce, Pr, Nd, Sm) by external hydrostatic pressure effect. Scientific Reports, 2020, 10, 12880.	1.6	4
6	Superconductivity in Se-doped La2O2Bi2Pb2S6-xSexwith a Bi2Pb2Ch4-type thick conducting layer. Europhysics Letters, 2020, 129, 67001.	0.7	3
7	Bulk Superconductivity Induced by Se Substitution in Self-Doped BiCh₂-Based Compound CeOBiS_{2â^'}_xSe_x. Journal of the Physical Society of Japan, 2020, 89, 064702.	0.7	3
8	An efficient way of increasing the total entropy of mixing in high-entropy-alloy compounds: a case of NaCl-type (Ag,In,Pb,Bi)Te_{1â^'x}Se_x (x = 0.0, 0.25, 0.5) superconductors. Dalton Transactions, 2020, 49, 9118-9122.	1.6	30
9	High-Pressure Synthesis and Superconducting Properties of NaCl-Type In1â^'xPbxTe (x = 0â€“0.8). Condensed Matter, 2020, 5, 14.	0.8	12
10	Superconducting properties of high-entropy-alloy tellurides M-Te (M: Ag, In, Cd, Sn, Sb, Pb, Bi) with a NaCl-type structure. Applied Physics Express, 2020, 13, 033001.	1.1	26
11	Detection of Hole Pockets in the Candidate Type-II Weyl Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoTe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> from Shubnikovâ€“de Haas Quantum Oscillations. Physical Review Letters, 2020, 124, 076402.	2.9	15
12	Superconductivity in La2O2M4S6 -Type Bi-based Compounds: A Review on Element Substitution Effects. Condensed Matter, 2020, 5, 27.	0.8	5
13	Unconventional isotope effect on transition temperature in BiS₂-based superconductor Bi₄O₄S₃. Applied Physics Express, 2020, 13, 093001.	1.1	12
14	Enhanced superconductivity by Na doping in SnAs-based layered compound Na_{1+x}Sn_{2â^'x}As₂. Japanese Journal of Applied Physics, 2019, 58, 083001.	0.8	11
15	Effect of Indium doping on the superconductivity of layered oxychalcogenide La2O2Bi3Ag1-x In x S6. Journal of Physics: Conference Series, 2019, 1293, 012001.	0.3	0
16	Bulk superconductivity in a four-layer-type Bi-based compound La2O2Bi3Ag0.6Sn0.4S5.7Se0.3. Scientific Reports, 2019, 9, 13346.	1.6	10
17	Optical evidence of the type-II Weyl semimetals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2019, 99, .	1.1	34
18	Improving the Flux Pinning With Artificial BCO Nanodots and Correlated Dislocations in YBCO Films Grown on IBAD-MgO Based Template. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	2

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19	X-ray Photoelectron Spectroscopy, Magnetotransport and Magnetisation Study of Nb2PdS5 Superconductor. Journal of Superconductivity and Novel Magnetism, 2018, 31, 943-949.	0.8	12
20	Anomalous magnetotransport properties of high-quality single crystals of Weyl semimetal WTe2: Sign change of Hall resistivity. Physica B: Condensed Matter, 2018, 536, 68-71.	1.3	4
21	Orbital-dependent band renormalization in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>WT</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2018, 98, .	1.1	2
22	Deviation from the Kohlerâ€™s rule and Shubnikovâ€“de Haas oscillations in type-II Weyl semimetal WTe2: High magnetic field study up to 56 T. AIP Advances, 2018, 8, 101330.	0.6	5
23	Angular and field dependent flux pinning in artificially doped YBCO films on IBAD-MgO based template. Physica C: Superconductivity and Its Applications, 2018, 555, 15-23.	0.6	12
24	Anisotropy in the electronic transport properties of Weyl semimetal WTe2 single crystals. AIP Advances, 2018, 8, 101332.	0.6	9
25	Superconductivity in Layered Oxychalcogenide La₂O₂Bi₃AgS₆. Journal of the Physical Society of Japan, 2018, 87, 083704.	0.7	17
26	A Structural Optimization of Ferrite/YBCO Bilayers. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	2
27	Deposition of YBCO Thin Films in View of Microwave Applications. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	7
28	Superconducting gap structure in the electron doped BiS₂-based superconductor. Journal of Physics Condensed Matter, 2017, 29, 265602.	0.7	8
29	Hydrostatic pressure effect on the superconducting properties of BaBi3and SrBi3single crystals. Superconductor Science and Technology, 2017, 30, 025015.	1.8	11
30	Intrinsic Phase Diagram of Superconductivity in the BiCh₂-Based System Without In-Plane Disorder. Journal of the Physical Society of Japan, 2017, 86, 074701.	0.7	35
31	Possibility for conventional superconductivity in Sr 0.1 Bi 2 Se 3 from high-pressure transport studies. Europhysics Letters, 2017, 118, 47008.	0.7	9
32	Temperature-independent band structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml as observed from angle-resolved photoemission spectroscopy. Physical Review B, 2017, 96, .	1.1	8
33	Enhanced flux pinning in YBCO multilayer films with BCO nanodots and segmented BZO nanorods. Scientific Reports, 2017, 7, 14682.	1.6	23
34	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoTe</mml:mi><mml:mn>2</mml:mn></mml:msub></m An uncompensated semimetal with extremely large magnetoresistance. Physical Review B, 2017, 95, .	1.1	45
35	Dirty limit scattering behind the decreased anisotropy of doped YBa₂Cu₃O_{7â^'Î´}thin films. Journal of Physics Condensed Matter, 2016, 28, 175702.	0.7	9
36	Bulk Superconductivity Induced by In-Plane Chemical Pressure Effect in Eu_{0.5}La_{0.5}FBiS_{2â^'}_xSe_x. Journal of the Physical Society of Japan, 2016, 85, 124708.	0.7	27

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37	Electronic structure of rare-earth doped SrFBiS 2 superconductors from photoemission spectroscopic studies. Physica C: Superconductivity and Its Applications, 2016, 525-526, 89-93.	0.6	1
38	Unusual Dirac Fermions on the Surface of a Noncentrosymmetric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math> -BiPd Superconductor. Physical Review Letters, 2016, 117, 177001.	2.9	21
39	Violation of Kohlerâ€™s rule in Ta2PdTe6 and absence of same in Nb2PdS5: A high field magneto transport study. AIP Conference Proceedings, 2016, , .	0.3	0
40	Effect of Hydrostatic Pressure on BiS2-Based Layered Superconductors: A Review. Novel Superconducting Materials, 2016, 2, .	0.8	1
41	Pressure effects on topological crystalline insulator SnTe and derived superconductor Sn0.5In0.5Te. AIP Conference Proceedings, 2016, , .	0.3	0
42	Impact of Ni doping on critical parameters of PdTe superconductor. Superconductor Science and Technology, 2016, 29, 075008.	1.8	7
43	Weak ferromagnetism in a noncentrosymmetric BiPd 4 K superconductor. Superconductor Science and Technology, 2016, 29, 025008.	1.8	11
44	Structural and Transport Studies of Under-Doped FeTe 1 â˜’ x Se x (x =0.0, 0.01, 0.03, 0.05) Single Crystals. Journal of Superconductivity and Novel Magnetism, 2016, 29, 543-545.	0.8	3
45	Improved superconducting properties of La3Co4Sn13 with indium substitution. Journal of Alloys and Compounds, 2016, 665, 333-338.	2.8	8
46	Flux free growth of large FeSe1/2Te1/2 superconducting single crystals by an easy high temperature melt and slow cooling method. AIP Advances, 2015, 5, .	0.6	20
47	Tailoring phase slip events through magnetic doping in superconductor-ferromagnet composite films. Scientific Reports, 2015, 5, 13459.	1.6	17
48	Effect of pressure on superconductivity in the indium-doped topological crystalline insulator SnTe. Journal of Physics Condensed Matter, 2015, 27, 242201.	0.7	3
49	Effect of hydrostatic pressures on the superconductivity of new BiS 2 based REO 0.5 F 0.5 BiS 2 (RE=La,) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	22
50	Anomalous Impact of Hydrostatic Pressure on Superconductivity of Polycrystalline LaO0.5F0.5BiSe2. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2229-2233.	0.8	8
51	Pressure enhanced superconductivity at 10 K in La doped EuBiS2F. Superconductor Science and Technology, 2015, 28, 115010.	1.8	17
52	The Angular Dependence of the Critical Current of <inline-formula> <tex-math notation="TeX">$hbox{BaCeO}_{3}$</tex-math></inline-formula> Doped <inline-formula> <tex-math notation="TeX">$hbox{YBa}_{2}hbox{Cu}_{3}hbox{O}_{6+x}$</tex-math></inline-formula> Thin Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	10
53	Control of sputtering parameters for deposition of NbN thick films. Novel Superconducting Materials, 2015, 1, .	0.8	2
54	Appearance of bulk superconductivity under hydrostatic pressure in Sr0.5RE0.5FBiS2 (REâ€‰=â€‰Ce, Nd, Pr,) Tj ETQq0 0 0 rgBT /Ove	1.1	40

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55	Specific Heat of Robust Nb2PdS5 Superconductor. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1427-1432.	0.8	10
56	Superconductivity at 4.4 K in PdTe2 Chains of a Ta-Based Compound. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1195-1198.	0.8	9
57	PdTe: a 4.5 K type-II BCS superconductor. Superconductor Science and Technology, 2015, 28, 055008.	1.8	23
58	Magnetically Defined <inline-formula> <tex-math notation="TeX">$B_{m irr}$</tex-math></inline-formula> and <inline-formula> <tex-math notation="TeX">$B_{{m c}2}$</tex-math></inline-formula> in <inline-formula> <tex-math notation="TeX">$hbox{BaCeO}_{3}$</tex-math></inline-formula>-Doped <inline-formula> <tex-math notation="TeX">$hbox{YBa}_{2}hbox{Cu}_{3}hbox{O}_{6+x}$</tex-math></inline-formula> Thin Film. IEEE Transactions on Applied Superconductivity, 20	1.1	0
59	Structural and Magnetic Properties of Flux-Free Large FeTe Single Crystal. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2893-2897.	0.8	22
60	Hydrostatic Pressure Studies on Parent Phase SrFBiS₂ of BiS₂-Based Superconducting Family. Journal of the Physical Society of Japan, 2014, 83, 105001.	0.7	8
61	Robust superconductivity with large upper critical field in Nb2PdS5. Journal of Applied Physics, 2014, 115, 213903.	1.1	22
62	Magnetotransport studies of FeSe under hydrostatic pressure. AIP Advances, 2014, 4, .	0.6	9
63	Role of MgO impurity on the superconducting properties of MgB2. Physica C: Superconductivity and Its Applications, 2014, 505, 104-108.	0.6	16
64	Superconducting properties of BiS2-based superconductor NdO1â^'xFxBiS2(x= 0 to 0.9). Materials Research Express, 2014, 1, 016002.	0.8	12
65	Superconductivity at 4 K in Pd-Deficient Layered Ta2Pd x S6. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2181-2183.	0.8	8
66	Revisiting Heat Capacity of Bulk Polycrystalline YBa2Cu3O7â^'Î´. Journal of Superconductivity and Novel Magnetism, 2014, 27, 287-291.	0.8	6
67	Superconductivity in Layered CeO0.5F0.5BiS2. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1-4.	0.8	19
68	Effect of Se doping in recently discovered layered Bi4O4S3 superconductor. Physica C: Superconductivity and Its Applications, 2014, 498, 45-49.	0.6	15
69	Superconducting and magneto-transport properties of BiS2 based superconductor PrO1-xFxBiS2 (xâ€‰=â€‰0) Tj ETQq1 1 0.784314	1.1	27
70	Significant enhancement of superconductivity under Hydrostatic pressure in CeO0.5F0.5BiS2 superconductor. Solid State Communications, 2014, 194, 6-9.	0.9	13
71	Impact of Hydrostatic Pressure on Superconductivity of Sr_{0.5}La_{0.5}FBiS₂. Journal of the Physical Society of Japan, 2014, 83, 063707.	0.7	43
72	Superconductivity at 25 K under Hydrostatic Pressure for FeTe 0 . 5 Se 0 . 5 Superconductor. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1599-1602.	0.8	4

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73	The effect of BaCeO₃dopant concentration on magnetically definedB_{iTT}andB_{c2}in YBa₂Cu₃O_{6+x}thin films deposited on SrTiO₃substrates. Journal of Physics: Conference Series, 2014, 507, 012020.	0.3	2
74	Impact of Gd Doping on Morphology and Superconductivity of NbN Sputtered Thin Films. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3069-3074.	0.8	7
75	AC Susceptibility Study of Superconducting YBa2Cu3O7:Ag x Bulk Composites (x=0.0â€“0.20): The Role of Intra and Intergranular Coupling. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2347-2352.	0.8	27
76	Appearance of superconductivity in layered LaO0.5F0.5BiS2. Solid State Communications, 2013, 157, 21-23.	0.9	109
77	Synthesis and Superconductivity of New BiS2 Based Superconductor PrO0.5F0.5BiS2. Journal of Superconductivity and Novel Magnetism, 2013, 26, 499-502.	0.8	190
78	Superconductivity at 5â€‰K in NdO0.5F0.5BiS2. Journal of Applied Physics, 2013, 113, .	1.1	88
79	Hydrostatic pressure effect on T_c of new BiS₂â€based Bi₄O₄S₃ and NdO_{0.5}F_{0.5}BiS₂ layered superconductors. Physica Status Solidi - Rapid Research Letters, 2013, 7, 510-513.	1.2	32
80	Bulk superconductivity at 5K in NdO[sub 0.5]F[sub 0.5]BiS[sub 2]. , 2013, , .		0
81	Study of transport and magnetic properties in new BiS[sub 2] based layered LaO[sub 0.5]F[sub 0.5]BiS[sub 2] superconductor. , 2013, , .		1
82	High field (14 T) magneto transport of Sm/PrFeAsO. Journal of Applied Physics, 2012, 111, 07E323.	1.1	8
83	Fabrication of DC sputtered NbN thick film with high upper critical field of above 400 kOe. , 2012, , .		5
84	Superconductivity and ferromagnetism in the non-oxide perovskite MgCNi3. , 2012, , .		0
85	Superconductivity in the vicinity of ferromagnetism in oxygen free perovskite MgCNi3: An experimental and density functional theory study. Journal of Applied Physics, 2012, 111, 033907.	1.1	4
86	High field magneto-transport and magnetization study of Y1â^'xCaxBa2Cu3 (x=0.00â€“0.25). Journal of Alloys and Compounds, 2012, 543, 135-141.	2.8	16
87	Effect of Boron substitution on the superconductivity of non-oxide perovskite MgCNi3. Solid State Communications, 2012, 152, 1678-1682.	0.9	5
88	Magnetization and magneto-resistance in Y(Ba_{1â^'x}Sr_x)₂Cu₃O_{7â^'Î´}(x=1)8 Tj ETQq0 0 0 rgBT	0.7	
89	Synthesis and Superconductivity of CeNi0.8Bi2: New Entrant in Superconductivity Kitchen?. Journal of Superconductivity and Novel Magnetism, 2012, 25, 723-724.	0.8	1
90	Vacuum Encapsulated Synthesis of 11.5 K NbC Superconductor. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1421-1425.	0.8	19

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91	Room temperature magnetic entropy change and magnetoresistance in La0.70(Ca0.30â^'xSrx)MnO3:Ag 10% (x=0.0â^'0.10). Journal of Magnetism and Magnetic Materials, 2012, 324, 2849-2853.	1.0	45
92	Optimization of the ${m BaCeO}_{3}$ Concentration in YBCO Films Prepared by Pulsed Laser Deposition. IEEE Transactions on Applied Superconductivity, 2011, 21, 2762-2766.	1.1	17
93	The effect of synthesis temperature on the superconducting properties of n-SiC added bulk MgB₂superconductor. Superconductor Science and Technology, 2011, 24, 045013.	1.8	29
94	Comparison of microstructure and electronic properties of TiO₂ thin films grown by different techniques. Surface Engineering, 2011, 27, 350-354.	1.1	5
95	Impact of Particle Size on Room Temperature Ferrimagnetism ofÂSrFe12O19. Journal of Superconductivity and Novel Magnetism, 2010, 23, 423-427.	0.8	25