

# Rajveer Jha

## List of Publications by Year in descending order

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95  
papers

1,539  
citations

331670

21  
h-index

377865

34  
g-index

95  
all docs

95  
docs citations

95  
times ranked

1394  
citing authors





#	ARTICLE	IF	CITATIONS
37	Superconducting properties of BiS <sub>2</sub> -based superconductor NdO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> (x= 0 to 0.9). Materials Research Express, 2014, 1, 016002.	1.6	12
38	X-ray Photoelectron Spectroscopy, Magnetotransport and Magnetisation Study of Nb <sub>2</sub> PdS <sub>5</sub> Superconductor. Journal of Superconductivity and Novel Magnetism, 2018, 31, 943-949.	1.8	12
39	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.	1.2	12
40	High-Pressure Synthesis and Superconducting Properties of NaCl-Type In <sub>1-x</sub> Pb <sub>x</sub> Te (x = 0 to 0.8). Condensed Matter, 2020, 5, 14.	1.8	12
41	Unconventional isotope effect on transition temperature in BiS <sub>2</sub> -based superconductor Bi <sub>4</sub> O <sub>4</sub> S <sub>3</sub> . Applied Physics Express, 2020, 13, 093001.	2.4	12
42	Weak ferromagnetism in a noncentrosymmetric BiPd 4 K superconductor. Superconductor Science and Technology, 2016, 29, 025008.	3.5	11
43	Hydrostatic pressure effect on the superconducting properties of BaBi <sub>3</sub> and SrBi <sub>3</sub> single crystals. Superconductor Science and Technology, 2017, 30, 025015.	3.5	11
44	Enhanced superconductivity by Na doping in SnAs-based layered compound Na <sub>1+x</sub> Sn <sub>2</sub> As <sub>2</sub> . Japanese Journal of Applied Physics, 2019, 58, 083001.	1.5	11
45	The Angular Dependence of the Critical Current of $\text{BaCeO}_3$ Doped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ Thin Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	10
46	Specific Heat of Robust Nb <sub>2</sub> PdS <sub>5</sub> Superconductor. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1427-1432.	1.8	10
47	Bulk superconductivity in a four-layer-type Bi-based compound La <sub>2</sub> O <sub>2</sub> Bi <sub>3</sub> Ag <sub>0.6</sub> Sn <sub>0.4</sub> S <sub>5.7</sub> Se <sub>0.3</sub> . Scientific Reports, 2019, 9, 13346.	3.3	10
48	Revealing an elusive metastable wurtzite CuFeS <sub>2</sub> and the phase switching between wurtzite and chalcopyrite for thermoelectric thin films. Acta Materialia, 2022, 235, 118090.	7.9	10
49	Magnetotransport studies of FeSe under hydrostatic pressure. AIP Advances, 2014, 4, .	1.3	9
50	Superconductivity at 4.4 K in PdTe <sub>2</sub> Chains of a Ta-Based Compound. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1195-1198.	1.8	9
51	Dirty limit scattering behind the decreased anisotropy of doped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> thin films. Journal of Physics Condensed Matter, 2016, 28, 175702.	1.8	9
52	Possibility for conventional superconductivity in Sr <sub>0.1</sub> Bi <sub>2</sub> Se <sub>3</sub> from high-pressure transport studies. Europhysics Letters, 2017, 118, 47008.	2.0	9
53	Anisotropy in the electronic transport properties of Weyl semimetal WTe <sub>2</sub> single crystals. AIP Advances, 2018, 8, 101332.	1.3	9
54	High field (14 T) magneto transport of Sm/PrFeAsO. Journal of Applied Physics, 2012, 111, 07E323.	2.5	8

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55	Hydrostatic Pressure Studies on Parent Phase SrFBiS <sub>2</sub> of BiS <sub>2</sub> -Based Superconducting Family. Journal of the Physical Society of Japan, 2014, 83, 105001.	1.6	8
56	Superconductivity at 4 K in Pd-Deficient Layered Ta <sub>2</sub> Pd <sub>x</sub> S <sub>6</sub> . Journal of Superconductivity and Novel Magnetism, 2014, 27, 2181-2183.	1.8	8
57	Anomalous Impact of Hydrostatic Pressure on Superconductivity of Polycrystalline LaO <sub>0.5</sub> F <sub>0.5</sub> BiSe <sub>2</sub> . Journal of Superconductivity and Novel Magnetism, 2015, 28, 2229-2233.	1.8	8
58	Improved superconducting properties of La <sub>3</sub> Co <sub>4</sub> Sn <sub>13</sub> with indium substitution. Journal of Alloys and Compounds, 2016, 665, 333-338.	5.5	8
59	Superconducting gap structure in the electron doped BiS <sub>2</sub> -based superconductor. Journal of Physics Condensed Matter, 2017, 29, 265602.	1.8	8
60	Temperature-independent band structure of $WTe_2$ as observed from angle-resolved photoemission spectroscopy. Physical Review B, 2017, 96, .	3.2	8
61	Impact of Gd Doping on Morphology and Superconductivity of NbN Sputtered Thin Films. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3069-3074.	1.8	7
62	Impact of Ni doping on critical parameters of PdTe superconductor. Superconductor Science and Technology, 2016, 29, 075008.	3.5	7
63	Deposition of YBCO Thin Films in View of Microwave Applications. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	7
64	Revisiting Heat Capacity of Bulk Polycrystalline YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . Journal of Superconductivity and Novel Magnetism, 2014, 27, 287-291.	1.8	6
65	Comparison of microstructure and electronic properties of TiO <sub>2</sub> thin films grown by different techniques. Surface Engineering, 2011, 27, 350-354.	2.2	5
66	Fabrication of DC sputtered NbN thick film with high upper critical field of above 400 kOe. , 2012, , .		5
67	Effect of Boron substitution on the superconductivity of non-oxide perovskite MgCNi <sub>3</sub> . Solid State Communications, 2012, 152, 1678-1682.	1.9	5
68	Deviation from the Kohler's rule and Shubnikov-de Haas oscillations in type-II Weyl semimetal WTe <sub>2</sub> : High magnetic field study up to 56 T. AIP Advances, 2018, 8, 101330.	1.3	5
69	Superconductivity in La <sub>2</sub> O <sub>2</sub> M <sub>4</sub> S <sub>6</sub> -Type Bi-based Compounds: A Review on Element Substitution Effects. Condensed Matter, 2020, 5, 27.	1.8	5
70	Superconductivity in the vicinity of ferromagnetism in oxygen free perovskite MgCNi <sub>3</sub> : An experimental and density functional theory study. Journal of Applied Physics, 2012, 111, 033907.	2.5	4
71	Superconductivity at 25 K under Hydrostatic Pressure for FeTe <sub>0.5</sub> Se <sub>0.5</sub> Superconductor. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1599-1602.	1.8	4
72	Anomalous magnetotransport properties of high-quality single crystals of Weyl semimetal WTe <sub>2</sub> : Sign change of Hall resistivity. Physica B: Condensed Matter, 2018, 536, 68-71.	2.7	4

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73	Improvement of superconducting properties by chemical pressure effect in Eu-doped La <sub>2</sub> -EuO <sub>2</sub> Bi <sub>3</sub> Ag <sub>0.6</sub> Sn <sub>0.4</sub> S <sub>6</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 2020, 576, 1353731.	1.2	4
74	Evolution of two bulk-superconducting phases in Sr <sub>0.5</sub> RE <sub>0.5</sub> FBiS <sub>2</sub> (RE: La, Ce, Pr, Nd, Sm) by external hydrostatic pressure effect. <i>Scientific Reports</i> , 2020, 10, 12880.	3.3	4
75	Effect of pressure on superconductivity in the indium-doped topological crystalline insulator SnTe. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 242201.	1.8	3
76	Structural and Transport Studies of Under-Doped FeTe <sub>1-x</sub> Se <sub>x</sub> (x =0.0, 0.01, 0.03, 0.05) Single Crystals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 543-545.	1.8	3
77	Superconductivity in Se-doped La <sub>2</sub> O <sub>2</sub> Bi <sub>2</sub> Pb <sub>2</sub> S <sub>6-x</sub> Se <sub>x</sub> with a Bi <sub>2</sub> Pb <sub>2</sub> Ch <sub>4</sub> -type thick conducting layer. <i>Europhysics Letters</i> , 2020, 129, 67001.	2.0	3
78	Bulk Superconductivity Induced by Se Substitution in Self-Doped BiCh <sub>2</sub> -Based Compound CeOBiS <sub>2</sub> <sup>2+</sup> <sub>x</sub> Se <sub>x</sub> . <i>Journal of the Physical Society of Japan</i> , 2020, 89, 064702.	1.6	3
79	High-pressure effects on superconducting properties and crystal structure of Bi-based layered superconductor La <sub>2</sub> O <sub>2</sub> Bi <sub>3</sub> Ag <sub>0.6</sub> Sn <sub>0.4</sub> S <sub>6</sub> . <i>Journal of Physics Condensed Matter</i> , 2021, 33, 225702.	1.8	3
80	The effect of BaCeO <sub>3</sub> dopant concentration on magnetically defined Bi <sub>1-x</sub> T <sub>x</sub> and Bi <sub>1-x</sub> C <sub>x</sub> in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> thin films deposited on SrTiO <sub>3</sub> substrates. <i>Journal of Physics: Conference Series</i> , 2014, 507, 012020.	0.4	2
81	Control of sputtering parameters for deposition of NbN thick films. <i>Novel Superconducting Materials</i> , 2015, 1, .	0.8	2
82	A Structural Optimization of Ferrite/YBCO Bilayers. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-5.	1.7	2
83	Orbital-dependent band renormalization in $WT_{e_2}$ revealed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2018, 98, .	3.2	2
84	Improving the Flux Pinning With Artificial BCO Nanodots and Correlated Dislocations in YBCO Films Grown on IBAD-MgO Based Template. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.7	2
85	Synthesis and Superconductivity of CeNi <sub>0.8</sub> Bi <sub>2</sub> : New Entrant in Superconductivity Kitchen?. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 723-724.	1.8	1
86	Study of transport and magnetic properties in new BiS <sub>2</sub> based layered LaO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> superconductor. , 2013, , .		1
87	Electronic structure of rare-earth doped SrFBiS <sub>2</sub> superconductors from photoemission spectroscopic studies. <i>Physica C: Superconductivity and Its Applications</i> , 2016, 525-526, 89-93.	1.2	1
88	Effect of Hydrostatic Pressure on BiS <sub>2</sub> -Based Layered Superconductors: A Review. <i>Novel Superconducting Materials</i> , 2016, 2, .	0.8	1
89	Surface Electronic States and Inclining Surfaces in MoTe <sub>2</sub> Probed by Photoemission Spectromicroscopy. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 084704.	1.6	1
90	Superconductivity and ferromagnetism in the non-oxide perovskite MgCNi <sub>3</sub> . , 2012, , .		0

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91	Bulk superconductivity at 5K in NdO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> . , 2013, , . Magnetically Defined $B_{irr}$ and $B_{m c}^2$ in $BaCeO_3$ and $YBa_2Cu_3O_{6+x}$ Thin Film. IEEE Transactions on Applied Superconductivity, 2013, 23(2), 1000000.		0
92	$BaCeO_3$ and $YBa_2Cu_3O_{6+x}$ Thin Film. IEEE Transactions on Applied Superconductivity, 2013, 23(2), 1000000.	1.7	0
93	Violation of Kohler's rule in Ta <sub>2</sub> PdTe <sub>6</sub> and absence of same in Nb <sub>2</sub> PdS <sub>5</sub> : A high field magneto transport study. AIP Conference Proceedings, 2016, , .	0.4	0
94	Pressure effects on topological crystalline insulator SnTe and derived superconductor Sn <sub>0.5</sub> In <sub>0.5</sub> Te. AIP Conference Proceedings, 2016, , .	0.4	0
95	Effect of Indium doping on the superconductivity of layered oxchalcogenide La <sub>2</sub> O <sub>2</sub> Bi <sub>3</sub> Ag <sub>1-x</sub> In <sub>x</sub> S <sub>6</sub> . Journal of Physics: Conference Series, 2019, 1293, 012001.	0.4	0