

Anand Pal

List of Publications by Year in descending order

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papers

648
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623188

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#	ARTICLE	IF	CITATIONS
1	Tuning the semimetallic charge transport in the Weyl semimetal candidate Eu ₂ Ir ₂ O ₇ (111) epitaxial thin film with an all-in-all-out spin structure. <i>Journal of Physics Condensed Matter</i> , 2022, , .	0.7	4
2	Enhancement of temperature coefficient of resistance (TCR) and magnetoresistance (MR) of La _{0.67} xRE _x Ca _{0.33} MnO ₃ (x=0, 0.1; RE=Ag, Nd, Sm) system via rare-earth substitution. <i>Materials Research Express</i> , 2020, 7, 036102.	0.8	24
3	Pr _{0.7} RE _x Ca _{0.3} MnO ₃ (RE=Ag, Nd, Sm) system via rare-earth substitution. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 512, 167011.	1.0	28
4	Thermally-induced optical modulation in a vanadium dioxide-on-silicon waveguide. <i>OSA Continuum</i> , 2020, 3, 132.	1.8	20
5	Investigation of fundamental and higher harmonic AC magnetic susceptibility of FeSe _{0.5} Te _{0.5} superconductor. <i>Materials Research Express</i> , 2019, 6, 096004.	0.8	1
6	Magnetic field induced effects in the quasikagome Kondo lattice system CePtPb. <i>Physical Review B</i> , 2019, 100, .	1.1	4
7	Quasistatic internal magnetic field detected in the pseudogap phase of Bi ₂ O ₈ . <i>Physical Review B</i> , 2018, 97, .	1.1	11
8	Freezing out of a low-energy bulk spin exciton in SmB ₆ . <i>Npj Quantum Materials</i> , 2018, 3, .	1.8	11
9	Quantum spin fluctuations in the bulk insulating state of pure and Fe-doped SmB ₆ . <i>Physical Review B</i> , 2017, 95, .	1.1	11
10	Metallic monoclinic phase in VO ₂ induced by electrochemical gating: In situ Raman study. <i>Europhysics Letters</i> , 2016, 115, 17001.	0.7	7
11	Tuning the magnetocrystalline anisotropy in RCoPO by means of R substitution: A ferromagnetic resonance study. <i>Physical Review B</i> , 2016, 94, .	1.1	1
12	Investigation of potential fluctuating intra-unit cell magnetic order in cuprates by \hat{I}^2_4 SR study. <i>Physical Review B</i> , 2016, 94, .	1.1	11
13	Common effect of chemical and external pressures on the magnetic properties of RCoPO (R=La,Pr,Nd,Sm). <i>Physical Review B</i> , 2015, 92, .	1.1	5
14	Upper critical field and AC-Susceptibility studies on FeTe _{0.5} Se _{0.5} superconductor. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
15	Importance of structural distortions in enhancement of transition temperature in FeSe _{1-x} Te _x superconductors. <i>Superconductor Science and Technology</i> , 2015, 28, 015015.	1.8	10
16	Effect of external pressure on the magnetic properties of R CoAsO (R =La, Pr, Sm): a \hat{I}^2_4 SR study. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 84, 63-69.	1.9	1
17	Anomalous magnetism of Pr in PrCoAsO. <i>AIP Advances</i> , 2014, 4, 017120.	0.6	1
18	Evolution of superconductivity in PrFe _{1-x} Co _x AsO (x=0.0-1.0). <i>Solid State Communications</i> , 2014, 187, 5-9.	0.9	1

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19	High field magneto-transport study of YBa ₂ Cu ₃ O _{7-x} Ag _x (x=0.00 to 0.20). Physica C: Superconductivity and Its Applications, 2014, 497, 19-23.	0.6	28
20	Structural, Electrical and Magnetic Behaviour of FeTe _{0.5} Se _{0.5} Superconductor. Journal of Superconductivity and Novel Magnetism, 2014, 27, 897-901.	0.8	15
21	Electrical and Magnetic Behaviour of PrFeAsO _{0.8} F _{0.2} Superconductor. Journal of Superconductivity and Novel Magnetism, 2014, 27, 687-691.	0.8	2
22	Local structural distortions and their role in superconductivity in SmFeAsO _{1-x} F _x superconductors. Superconductor Science and Technology, 2014, 27, 075010.	1.8	2
23	Magneto-transport and Magnetic Susceptibility of SmFeAsO _{1-x} F _x (x=0.0 and 0.20). Journal of Superconductivity and Novel Magnetism, 2013, 26, 2383-2389.	0.8	5
24	Appearance and disappearance of superconductivity in SmFe _{1-x} Ni _x AsO (x=0.0 to 1.0). Solid State Sciences, 2013, 15, 123-128.	1.5	10
25	Study of Ni and Zn doped CeOFeAs: Effect on the structural transition and specific heat capacity. Physica C: Superconductivity and Its Applications, 2013, 490, 49-54.	0.6	2
26	Appearance of superconductivity in layered LaO _{0.5} F _{0.5} BiS ₂ . Solid State Communications, 2013, 157, 21-23.	0.9	109
27	Local electromagnetic properties of magnetic pnictides: a comparative study probed by NMR measurements. Journal of Physics Condensed Matter, 2013, 25, 196002. Common effect of chemical and external pressures on the magnetic properties of	0.7	5
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37	Anomalous heat capacity and x-ray photoelectron spectroscopy of superconducting FeSe _{1/2} Te _{1/2} . Journal of Applied Physics, 2011, 109, 07E122.	1.1	7
38	Role of interstitial δ -Fe in the superconductivity of FeTe _{1/2} Se _{1/2} . Solid State Communications, 2011, 151, 1767-1770.	0.9	11
39	Physical property characterization of single step synthesized NdFeAsO _{0.80} F _{0.20} bulk 50Å superconductor. European Physical Journal B, 2011, 79, 139-146.	0.6	27
40	Appearance and Disappearance of Superconductivity with Fe Site Co Substitution in SmFe _{1-x} Co _x AsO (x=0.0 to 1.0). Journal of Superconductivity and Novel Magnetism, 2011, 24, 151-157.	0.8	9
41	Interplay of Sm4f and Co3d spins in SmCoAsO. Journal of Magnetism and Magnetic Materials, 2011, 323, 1460-1464.	1.0	4
42	Superconductivity and thermal properties of sulphur doped FeTe with effect of oxygen post annealing. Physica C: Superconductivity and Its Applications, 2011, 471, 77-82.	0.6	37
43	Complex magnetism and magneto-transport of RECoPO (RE=La, Nd, and Sm). Journal of Applied Physics, 2011, 110, .	1.1	16
44	Intriguing complex magnetism of Co in RECoAsO (RE=La, Nd, and Sm). Journal of Applied Physics, 2011, 109, .	1.1	13
45	From weak magnetism (spin density wave δ -SDW) to ferromagnetic state for SmFe _{1-x} Ru _x AsO system with x= 0.0-0.50. Physica C: Superconductivity and Its Applications, 2010, 470, S424-S425.	0.6	0
46	Synthesis and Structural Details of BiOCu _{1-x} S: Possible New Entrant in a Series of Exotic Superconductors?. Journal of Superconductivity and Novel Magnetism, 2010, 23, 301-304.	0.8	13
47	Suppression of spin density wave character of (Sm/Gd)FeAsO by substitution of Ru at Fe site. Physica C: Superconductivity and Its Applications, 2010, 470, S491-S492.	0.6	2
48	Superconductivity in SmFe _{1-x} Co _x AsO (x=0.0-0.30). Journal of Applied Physics, 2010, 107, .	1.1	15
49	Synthesis and physical properties of FeSe _{1/2} Te _{1/2} superconductor. Journal of Applied Physics, 2010, 107, 09E128.	1.1	34
50	Magnetic phase transitions in SmCoAsO. Physical Review B, 2010, 81, .	1.1	39
51	Synthesis of SmFeAsO by an easy and versatile route and its physical property characterization. Journal of Applied Physics, 2009, 105, 07E316.	1.1	14
52	Single-Step Synthesis of Sr ₄ V ₂ O ₆ Fe ₂ As ₂ : The Blocking Layer Based Potential Future Superconductor. Journal of Superconductivity and Novel Magnetism, 2009, 22, 619-621.	0.8	7
53	Superconductivity at 14 K in SmFe _{0.9} Co _{0.1} AsO. Journal of Superconductivity and Novel Magnetism, 2009, 22, 623-626.	0.8	16