

Anand Pal

List of Publications by Year in descending order

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53
papers

648
citations

623188

14
h-index

610482

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53
docs citations

53
times ranked

783
citing authors

#	ARTICLE	IF	CITATIONS
1	Appearance of superconductivity in layered LaO _{0.5} F _{0.5} BiS ₂ . Solid State Communications, 2013, 157, 21-23.	0.9	109
2	Magnetic phase transitions in SmCoAsO. Physical Review B, 2010, 81, .	1.1	39
3	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
4	Synthesis and physical properties of FeSe _{1/2} Te _{1/2} superconductor. Journal of Applied Physics, 2010, 107, 09E128. Common effect of chemical and external pressures on the magnetic properties of xmlns:mml="http://www.w3.org/1998/Math/MathML"	1.1	34
5			

#	ARTICLE	IF	CITATIONS
19	Investigation of potential fluctuating intra-unit cell magnetic order in cuprates by $\sqrt{3} \times \sqrt{3}$ SR. Physical Review B, 2016, 94, .	1.1	11
20	Quantum spin fluctuations in the bulk insulating state of pure and Fe-doped SmB_6 . Physical Review B, 2017, 95, .	1.1	11
21	Quasistatic internal magnetic field detected in the pseudogap phase of Bi_2O_7 . Physical Review B, 2018, 97, .	1.1	11
22	Freezing out of a low-energy bulk spin exciton in SmB_6 . Npj Quantum Materials, 2018, 3, .	1.8	11
23	Appearance and disappearance of superconductivity in $\text{SmFe}_{1-x}\text{Ni}_x\text{AsO}$ ($x=0.0$ to 1.0). Solid State Sciences, 2013, 15, 123-128.	1.5	10
24	Importance of structural distortions in enhancement of transition temperature in $\text{FeSe}_{1-x}\text{Te}_x$ superconductors. Superconductor Science and Technology, 2015, 28, 015015.	1.8	10
25	Appearance and Disappearance of Superconductivity with Fe Site Co Substitution in $\text{SmFe}_{1-x}\text{Co}_x\text{AsO}$ ($x=0.0$ to 1.0). Journal of Superconductivity and Novel Magnetism, 2011, 24, 151-157.	0.8	9
26	High field (14 T) magneto transport of $\text{Sm}/\text{PrFeAsO}$. Journal of Applied Physics, 2012, 111, 07E323.	1.1	8
27	Single-Step Synthesis of $\text{Sr}_4\text{V}_2\text{O}_6\text{Fe}_2\text{As}_2$: The Blocking Layer Based Potential Future Superconductor. Journal of Superconductivity and Novel Magnetism, 2009, 22, 619-621.	0.8	7
28	Anomalous heat capacity and x-ray photoelectron spectroscopy of superconducting $\text{FeSe}_{1/2}\text{Te}_{1/2}$. Journal of Applied Physics, 2011, 109, 07E122.	1.1	7
29	Metallic monoclinic phase in VO_2 induced by electrochemical gating: In situ Raman study. Europhysics Letters, 2016, 115, 17001.	0.7	7
30	Magnetotransport and thermal properties characterization of 55 K superconductor $\text{SmFeAsO}_{0.85}\text{F}_{0.15}$. AIP Advances, 2013, 3, .	0.6	6
31	Anisotropic Spin-Fluctuations in SmCoPO Revealed by ^{31}P NMR Measurement. Journal of the Physical Society of Japan, 2012, 81, 054702.	0.7	5
32	Magneto-transport and Magnetic Susceptibility of $\text{SmFeAsO}_{1-x}\text{F}_x$ ($x=0.0$ and 0.20). Journal of Superconductivity and Novel Magnetism, 2013, 26, 2383-2389.	0.8	5
33	Local electromagnetic properties of magnetic pnictides: a comparative study probed by NMR measurements. Journal of Physics Condensed Matter, 2013, 25, 196002.	0.7	5
34	Common effect of chemical and external pressures on the magnetic properties of RCoPO ($R=\text{La, Pr, Nd, Sm}$). II. Physical Review B, 2015, 92, .	1.1	5
35	Interplay of $\text{Sm}4f$ and $\text{Co}3d$ spins in SmCoAsO . Journal of Magnetism and Magnetic Materials, 2011, 323, 1460-1464.	1.0	4
36	Magnetic field induced effects in the quasikagome Kondo lattice system CePtPb . Physical Review B, 2019, 100, .	1.1	4

#	ARTICLE	IF	CITATIONS
37	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
38	Suppression of spin density wave character of (Sm/Gd)FeAsO by substitution of Ru at Fe site. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S491-S492.	0.6	2
39	Effect of Co-doping on the resistivity and thermopower of SmFe _{1-x} Co _x AsO (0.0 ≤ x ≤ 0.3). <i>AIP Advances</i> , 2012, 2, 042137.	0.6	2
40	Study of Ni and Zn doped CeOFeAs: Effect on the structural transition and specific heat capacity. <i>Physica C: Superconductivity and Its Applications</i> , 2013, 490, 49-54.	0.6	2
41	Electrical and Magnetic Behaviour of PrFeAsO $\delta_{0.8}$ F $\delta_{0.2}$ Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 687-691.	0.8	2
42	Local structural distortions and their role in superconductivity in SmFeAsO _{1-x} F _x superconductors. <i>Superconductor Science and Technology</i> , 2014, 27, 075010.	1.8	2
43	Anomalous magnetism of Pr in PrCoAsO. <i>AIP Advances</i> , 2014, 4, 017120.	0.6	1
44	Evolution of superconductivity in PrFe _{1-x} Co _x AsO (x=0.0 ≤ x ≤ 1.0). <i>Solid State Communications</i> , 2014, 187, 5-9.	0.9	1
45	Effect of external pressure on the magnetic properties of RCoAsO (R =La, Pr, Sm): a $^{1/4}$ SR study. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 84, 63-69.	1.9	1
46	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
47	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
48	From weak magnetism (spin density wave \leftrightarrow SDW) to ferromagnetic state for SmFe _{1-x} Ru _x AsO system with x= 0.0 ≤ x ≤ 0.50. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S424-S425.	0.6	0
49	Superconductivity of Fe based pnictides and chalcogenides: Material aspects, doping routes, future prospects and challenges. , 2012, , .		0
50	Control of interstitial Fe and its impact on superconductivity of FeTe _{1/2} Se _{1/2} . , 2012, , .		0
51	High field transport and magnetic properties of RECo(P/As)O. , 2012, , .		0
52	Anisotropic spin-fluctuations in SmCoPO: 31 P NMR study. , 2012, , .		0
53	Upper critical field and AC-Susceptibility studies on FeTe _{0.5} Se _{0.5} superconductor. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0