

Anand Pal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

540
citations

13
h-index

20
g-index

53
ext. papers

592
ext. citations

2.2
avg. IF

3.45
L-index

#	Paper	IF	Citations
47	Enhancement of temperature coefficient of resistance (TCR) and magnetoresistance (MR) of $\text{La}_{0.67-x}\text{RE}_x\text{Ca}_{0.33}\text{MnO}_3$ ($x = 0, 0.1$; RE = Gd, Nd, Sm) system via rare-earth substitution. <i>Materials Research Express</i> , 2020 , 7, 036102	1.7	11
46	Thermally-induced optical modulation in a vanadium dioxide-on-silicon waveguide. <i>OSA Continuum</i> , 2020 , 3, 132	1.4	11
45	Investigation of cationic disorder effects on the transport and magnetic properties of perovskite $\text{Pr}_{0.7-x}\text{RE}_x\text{Sr}_{0.3}\text{MnO}_3$ ($x=0.0,0.2$; RE = Nd, Sm, & Gd). <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 512, 167011	2.8	6
44	Investigation of fundamental and higher harmonic AC magnetic susceptibility of $\text{FeSe}_{0.5}\text{Te}_{0.5}$ superconductor. <i>Materials Research Express</i> , 2019 , 6, 096004	1.7	1
43	Magnetic field induced effects in the quasikagome Kondo lattice system CePtPb . <i>Physical Review B</i> , 2019 , 100,	3.3	2
42	Quasistatic internal magnetic field detected in the pseudogap phase of $\text{Bi}_{2+x}\text{Sr}_{2-x}\text{CaCu}_2\text{O}_{8+\delta}$ by muon spin relaxation. <i>Physical Review B</i> , 2018 , 97,	3.3	10
41	Freezing out of a low-energy bulk spin exciton in SmB_6 . <i>Npj Quantum Materials</i> , 2018 , 3,	5	7
40	Quantum spin fluctuations in the bulk insulating state of pure and Fe-doped SmB_6 . <i>Physical Review B</i> , 2017 , 95,	3.3	11
39	Investigation of potential fluctuating intra-unit cell magnetic order in cuprates by μSR . <i>Physical Review B</i> , 2016 , 94,	3.3	10
38	Metallic monoclinic phase in VO_2 induced by electrochemical gating: In situ Raman study. <i>Europhysics Letters</i> , 2016 , 115, 17001	1.6	6
37	Tuning the magnetocrystalline anisotropy in RCoPO by means of R substitution: A ferromagnetic resonance study. <i>Physical Review B</i> , 2016 , 94,	3.3	1
36	Effect of external pressure on the magnetic properties of RCoAsO (R=La, Pr, Sm): a μSR study. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 84, 63-69	3.9	1
35	Common effect of chemical and external pressures on the magnetic properties of RCoPO (R=La,Pr,Nd,Sm). II.. <i>Physical Review B</i> , 2015 , 92,	3.3	5
34	Importance of structural distortions in enhancement of transition temperature in $\text{FeSe}_{1-x}\text{Te}_x$ superconductors. <i>Superconductor Science and Technology</i> , 2015 , 28, 015015	3.1	9
33	High field magneto-transport study of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}\text{Ag}_x$ ($x=0.00\text{--}0.20$). <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 497, 19-23	1.3	21
32	Structural, Electrical and Magnetic Behaviour of $\text{FeTe}_{0.5}\text{Se}_{0.5}$ Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 897-901	1.5	13
31	Electrical and Magnetic Behaviour of $\text{PrFeAsO}_{0.8}\text{F}_{0.2}$ Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 687-691	1.5	2

30	Local structural distortions and their role in superconductivity in SmFeAsO _{1-x} F _x superconductors. <i>Superconductor Science and Technology</i> , 2014 , 27, 075010	3.1	2
29	Anomalous magnetism of Pr in PrCoAsO. <i>AIP Advances</i> , 2014 , 4, 017120	1.5	1
28	Evolution of superconductivity in PrFe _{1-x} Co _x AsO (x=0.0-1.0). <i>Solid State Communications</i> , 2014 , 187, 5-9	1.6	1
27	Magneto-transport and Magnetic Susceptibility of SmFeAsO _{1-x} F _x (x=0.0 and 0.20). <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 2383-2389	1.5	5
26	Appearance and disappearance of superconductivity in SmFe _{1-x} Ni _x AsO (x = 0.0-1.0). <i>Solid State Sciences</i> , 2013 , 15, 123-128	3.4	10
25	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	1.3	1
24	Appearance of superconductivity in layered LaO _{0.5} F _{0.5} BiS ₂ . <i>Solid State Communications</i> , 2013 , 157, 21-236	2.3	103
23	Local electromagnetic properties of magnetic pnictides: a comparative study probed by NMR measurements. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 196002	1.8	4
22	Common effect of chemical and external pressures on the magnetic properties of RCoPO (R = La, Pr). <i>Physical Review B</i> , 2013 , 87,	3.3	29
21	Magnetotransport and thermal properties characterization of 55 K superconductor SmFeAsO _{0.85} F _{0.15} . <i>AIP Advances</i> , 2013 , 3, 092113	1.5	5
20	High field (14 T) magneto transport of Sm/PrFeAsO. <i>Journal of Applied Physics</i> , 2012 , 111, 07E323	2.5	8
19	Anisotropic Spin-Fluctuations in SmCoPO Revealed by ³¹ P NMR Measurement. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 054702	1.5	5
18	Effect of Co-doping on the resistivity and thermopower of SmFe _{1-x} Co _x AsO (0.0-0.3). <i>AIP Advances</i> , 2012 , 2, 042137	1.5	1
17	Anomalous heat capacity and x-ray photoelectron spectroscopy of superconducting FeSe _{1/2} Te _{1/2} . <i>Journal of Applied Physics</i> , 2011 , 109, 07E122	2.5	7
16	Role of interstitial bridged Fe in the superconductivity of FeTe _{1/2} Se _{1/2} . <i>Solid State Communications</i> , 2011 , 151, 1767-1770	1.6	10
15	Physical property characterization of single step synthesized NdFeAsO _{0.80} F _{0.20} bulk 50 K superconductor. <i>European Physical Journal B</i> , 2011 , 79, 139-146	1.2	22
14	Appearance and Disappearance of Superconductivity with Fe Site Co Substitution in SmFe _{1-x} Co _x AsO (x=0.0 to 1.0). <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 151-157	1.5	8
13	Interplay of Sm4f and Co3d spins in SmCoAsO. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 1460-1464	2.8	4

12	Superconductivity and thermal properties of sulphur doped FeTe with effect of oxygen post annealing. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 77-82	1.3	32
11	Complex magnetism and magneto-transport of RECoPO (RE = La, Nd, and Sm). <i>Journal of Applied Physics</i> , 2011 , 110, 103913	2.5	14
10	Intriguing complex magnetism of Co in RECoAsO (RE=La, Nd, and Sm). <i>Journal of Applied Physics</i> , 2011 , 109, 07E121	2.5	13
9	Superconductivity in SmFe _{1-x} CoxAsO (x=0.00-0.30). <i>Journal of Applied Physics</i> , 2010 , 107, 09E146	2.5	15
8	Synthesis and physical properties of FeSe _{1/2} Te _{1/2} superconductor. <i>Journal of Applied Physics</i> , 2010 , 107, 09E128	2.5	30
7	Magnetic phase transitions in SmCoAsO. <i>Physical Review B</i> , 2010 , 81,	3.3	34
6	From weak magnetism (spin density wave δ SDW) to ferromagnetic state for SmFe _{1-x} RuxAsO system with x = 0.00-0.50. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S424-S425	1.3	
5	Synthesis and Structural Details of BiOCu _{1-x} S: Possible New Entrant in a Series of Exotic Superconductors?. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 301-304	1.5	12
4	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	1.3	2
3	Synthesis of SmFeAsO by an easy and versatile route and its physical property characterization. <i>Journal of Applied Physics</i> , 2009 , 105, 07E316	2.5	13
2	Single-Step Synthesis of Sr ₄ V ₂ O ₆ Fe ₂ As ₂ : The Blocking Layer Based Potential Future Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 619-621	1.5	7
1	Superconductivity at 14 K in SmFe _{0.9} Co _{0.1} AsO. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 623-626	1.5	15