

# Anand Pal

## List of Publications by Year in descending order

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53  
papers

648  
citations

706676

14  
h-index

685536

24  
g-index

53  
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53  
docs citations

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times ranked

838  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the semimetallic charge transport in the Weyl semimetal candidate Eu <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> (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 <sub>0.67</sub> xRE <sub>x</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> (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 <sub>0.7</sub> RE <sub>x</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> (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 <sub>0.5</sub> Te <sub>0.5</sub> 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 <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , 2018, 97, .	1.1	11
8	Freezing out of a low-energy bulk spin exciton in SmB <sub>6</sub> . <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 <sub>6</sub> . <i>Physical Review B</i> , 2017, 95, .	1.1	11
10	Metallic monoclinic phase in VO <sub>2</sub> 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). II. <i>Physical Review B</i> , 2015, 92, .	1.1	5
14	Upper critical field and AC-Susceptibility studies on FeTe <sub>0.5</sub> Se <sub>0.5</sub> superconductor. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
15	Importance of structural distortions in enhancement of transition temperature in FeSe <sub>1-x</sub> Te <sub>x</sub> 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 <sub>1-x</sub> Co <sub>x</sub> 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 <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Ag <sub>x</sub> (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 <sub>0.5</sub> Se <sub>0.5</sub> Superconductor. Journal of Superconductivity and Novel Magnetism, 2014, 27, 897-901.	0.8	15
21	Electrical and Magnetic Behaviour of PrFeAsO <sub>0.8</sub> F <sub>0.2</sub> 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 <sub>1-x</sub> F <sub>x</sub> superconductors. Superconductor Science and Technology, 2014, 27, 075010.	1.8	2
23	Magneto-transport and Magnetic Susceptibility of SmFeAsO <sub>1-x</sub> F <sub>x</sub> (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 <sub>1-x</sub> Ni <sub>x</sub> 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 <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> . 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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#	ARTICLE	IF	CITATIONS
37	Anomalous heat capacity and x-ray photoelectron spectroscopy of superconducting FeSe <sub>1/2</sub> Te <sub>1/2</sub> . Journal of Applied Physics, 2011, 109, 07E122.	1.1	7
38	Role of interstitial $\delta$ -Fe in the superconductivity of FeTe <sub>1/2</sub> Se <sub>1/2</sub> . Solid State Communications, 2011, 151, 1767-1770.	0.9	11
39	Physical property characterization of single step synthesized NdFeAsO <sub>0.80</sub> F <sub>0.20</sub> bulk 50 Å 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 <sub>1-x</sub> Co <sub>x</sub> AsO (x=0.0 to 1.0). Journal of Superconductivity and Novel Magnetism, 2011, 24, 151-157.	0.8	9
41	Interplay of Sm 4f and Co 3d 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 $\delta$ SDW) to ferromagnetic state for SmFe <sub>1-x</sub> Ru <sub>x</sub> 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 <sub>1-x</sub> 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 <sub>1-x</sub> Co <sub>x</sub> AsO (x=0.0-0.30). Journal of Applied Physics, 2010, 107, .	1.1	15
49	Synthesis and physical properties of FeSe <sub>1/2</sub> Te <sub>1/2</sub> 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 <sub>4</sub> V <sub>2</sub> O <sub>6</sub> Fe <sub>2</sub> As <sub>2</sub> : 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 <sub>0.9</sub> Co <sub>0.1</sub> AsO. Journal of Superconductivity and Novel Magnetism, 2009, 22, 623-626.	0.8	16