

# Anand Pal

## List of Publications by Citations

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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 | Appearance of superconductivity in layered LaO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> . <i>Solid State Communications</i> , <b>2013</b> , 157, 21-23  | 3.3 | 103       |
| 46 | Magnetic phase transitions in SmCoAsO. <i>Physical Review B</i> , <b>2010</b> , 81,   | 3.3 | 34        |
| 45 | Superconductivity and thermal properties of sulphur doped FeTe with effect of oxygen post annealing. <i>Physica C: Superconductivity and Its Applications</i> , <b>2011</b> , 471, 77-82  | 1.3 | 32        |
| 44 | Synthesis and physical properties of FeSe <sub>1/2</sub> Te <sub>1/2</sub> superconductor. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09E128  | 2.5 | 30        |
| 43 | Common effect of chemical and external pressures on the magnetic properties of RCoPO (R = La, Pr). <i>Physical Review B</i> , <b>2013</b> , 87,   | 3.3 | 29        |
| 42 | Physical property characterization of single step synthesized NdFeAsO <sub>0.8</sub> F <sub>0.2</sub> bulk 50 K superconductor. <i>European Physical Journal B</i> , <b>2011</b> , 79, 139-146  | 1.2 | 22        |
| 41 | High field magneto-transport study of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Ag <sub>x</sub> (x=0.00-0.20). <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 497, 19-23  | 1.3 | 21        |
| 40 | Superconductivity in SmFe <sub>1-x</sub> CoxAsO (x=0.00-0.30). <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09E146  | 2.5 | 15        |
| 39 | Superconductivity at 14 K in SmFe <sub>0.9</sub> Co <sub>0.1</sub> AsO. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2009</b> , 22, 623-626   | 1.5 | 15        |
| 38 | Complex magnetism and magneto-transport of RECoPO (RE = La, Nd, and Sm). <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 103913  | 2.5 | 14        |
| 37 | Structural, Electrical and Magnetic Behaviour of FeTe <sub>0.5</sub> Se <sub>0.5</sub> Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2014</b> , 27, 897-901  | 1.5 | 13        |
| 36 | Synthesis of SmFeAsO by an easy and versatile route and its physical property characterization. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07E316   | 2.5 | 13        |
| 35 | Intriguing complex magnetism of Co in RECoAsO (RE=La, Nd, and Sm). <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07E121  | 2.5 | 13        |
| 34 | Synthesis and Structural Details of BiOCu <sub>1-x</sub> S: Possible New Entrant in a Series of Exotic Superconductors?. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2010</b> , 23, 301-304  | 1.5 | 12        |
| 33 | Enhancement of temperature coefficient of resistance (TCR) and magnetoresistance (MR) of La <sub>0.67-x</sub> RE <sub>x</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> (x = 0, 0.1; RE = Gd, Nd, Sm) system via rare-earth substitution. <i>Materials Research Express</i> , <b>2020</b> , 7, 036102 | 1.7 | 11        |
| 32 | Quantum spin fluctuations in the bulk insulating state of pure and Fe-doped SmB <sub>6</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,   | 3.3 | 11        |
| 31 | Thermally-induced optical modulation in a vanadium dioxide-on-silicon waveguide. <i>OSA Continuum</i> , <b>2020</b> , 3, 132  | 1.4 | 11        |

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|----|---|-----|----|
| 30 | 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> , <b>2018</b> , 97,   | 3.3 | 10 |
| 29 | Investigation of potential fluctuating intra-unit cell magnetic order in cuprates by $\mu\text{SR}$ . <i>Physical Review B</i> , <b>2016</b> , 94,  | 3.3 | 10 |
| 28 | Appearance and disappearance of superconductivity in $\text{SmFe}_{1-x}\text{Ni}_x\text{AsO}$ ( $x = 0.0-1.0$ ). <i>Solid State Sciences</i> , <b>2013</b> , 15, 123-128  | 3.4 | 10 |
| 27 | Role of interstitial $\mu\text{SR}$ Fe in the superconductivity of $\text{FeTe}_{1/2}\text{Se}_{1/2}$ . <i>Solid State Communications</i> , <b>2011</b> , 151, 1767-1770  | 1.6 | 10 |
| 26 | Importance of structural distortions in enhancement of transition temperature in $\text{FeSe}_{1-x}\text{Te}_x$ superconductors. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 015015  | 3.1 | 9  |
| 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 $1.0$ ). <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2011</b> , 24, 151-157  | 1.5 | 8  |
| 24 | High field (14 T) magneto transport of $\text{Sm}/\text{PrFeAsO}$ . <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07E323   | 2.5 | 8  |
| 23 | Anomalous heat capacity and x-ray photoelectron spectroscopy of superconducting $\text{FeSe}_{1/2}\text{Te}_{1/2}$ . <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07E122  | 2.5 | 7  |
| 22 | 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. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2009</b> , 22, 619-621  | 1.5 | 7  |
| 21 | Freezing out of a low-energy bulk spin exciton in $\text{SmB}_6$ . <i>Npj Quantum Materials</i> , <b>2018</b> , 3,  | 5   | 7  |
| 20 | 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> , <b>2020</b> , 512, 167011 | 2.8 | 6  |
| 19 | Metallic monoclinic phase in VO <sub>2</sub> induced by electrochemical gating: In situ Raman study. <i>Europhysics Letters</i> , <b>2016</b> , 115, 17001  | 1.6 | 6  |
| 18 | Magneto-transport and Magnetic Susceptibility of $\text{SmFeAsO}_{1-x}\text{F}_x$ ( $x=0.0$ and $0.20$ ). <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2013</b> , 26, 2383-2389   | 1.5 | 5  |
| 17 | Common effect of chemical and external pressures on the magnetic properties of $\text{RCoPO}$ (R=La,Pr,Nd,Sm). II.. <i>Physical Review B</i> , <b>2015</b> , 92,  | 3.3 | 5  |
| 16 | Magnetotransport and thermal properties characterization of 55 K superconductor $\text{SmFeAsO}_{0.85}\text{F}_{0.15}$ . <i>AIP Advances</i> , <b>2013</b> , 3, 092113  | 1.5 | 5  |
| 15 | Anisotropic Spin-Fluctuations in $\text{SmCoPO}$ Revealed by $^{31}\text{P}$ NMR Measurement. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 054702  | 1.5 | 5  |
| 14 | Local electromagnetic properties of magnetic pnictides: a comparative study probed by NMR measurements. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 196002   | 1.8 | 4  |
| 13 | Interplay of $\text{Sm}4f$ and $\text{Co}3d$ spins in $\text{SmCoAsO}$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2011</b> , 323, 1460-1464  | 2.8 | 4  |

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|----|---|-----|---|
| 12 | Magnetic field induced effects in the quasikagome Kondo lattice system CePtPb. <i>Physical Review B</i> , <b>2019</b> , 100,  | 3.3 | 2 |
| 11 | Electrical and Magnetic Behaviour of $\text{PrFeAsO}_{0.8}\text{F}_{0.2}$ Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2014</b> , 27, 687-691   | 1.5 | 2 |
| 10 | Local structural distortions and their role in superconductivity in $\text{SmFeAsO}_{1-x}\text{F}_x$ superconductors. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 075010   | 3.1 | 2 |
| 9  | 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> , <b>2010</b> , 470, S491-S492  | 1.3 | 2 |
| 8  | Effect of external pressure on the magnetic properties of RCoAsO (R=La, Pr, Sm): a $\mu\text{SR}$ study. <i>Journal of Physics and Chemistry of Solids</i> , <b>2015</b> , 84, 63-69  | 3.9 | 1 |
| 7  | Investigation of fundamental and higher harmonic AC magnetic susceptibility of $\text{FeSe}_{0.5}\text{Te}_{0.5}$ superconductor. <i>Materials Research Express</i> , <b>2019</b> , 6, 096004   | 1.7 | 1 |
| 6  | Study of Ni and Zn doped CeOFeAs: Effect on the structural transition and specific heat capacity. <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 490, 49-54   | 1.3 | 1 |
| 5  | Anomalous magnetism of Pr in PrCoAsO. <i>AIP Advances</i> , <b>2014</b> , 4, 017120   | 1.5 | 1 |
| 4  | Evolution of superconductivity in $\text{PrFe}_{1-x}\text{Co}_x\text{AsO}$ ( $x=0.0\text{--}1.0$ ). <i>Solid State Communications</i> , <b>2014</b> , 187, 5-9  | 1.6 | 1 |
| 3  | Effect of Co-doping on the resistivity and thermopower of $\text{SmFe}_{1-x}\text{Co}_x\text{AsO}$ ( $0.0\text{--}0.3$ ). <i>AIP Advances</i> , <b>2012</b> , 2, 042137   | 1.5 | 1 |
| 2  | Tuning the magnetocrystalline anisotropy in RCoPO by means of R substitution: A ferromagnetic resonance study. <i>Physical Review B</i> , <b>2016</b> , 94,   | 3.3 | 1 |
| 1  | From weak magnetism (spin density wave $\mu\text{SDW}$ ) to ferromagnetic state for $\text{SmFe}_{1-x}\text{Ru}_x\text{AsO}$ system with $x = 0.0\text{--}0.50$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S424-S425 | 1.3 |   |