

# Pawan Kumar

## List of Publications by Year in descending order

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15  
papers

106  
citations

1478505

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h-index

1372567

10  
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all docs

15  
docs citations

15  
times ranked

98  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Supercooling transition in phase separated manganite thin films: An electrical transport study. Applied Physics Letters, 2014, 104, .  | 3.3 | 21        |
| 2  | Review of developments on flat plate solar collectors for heat transfer enhancements using phase change materials and reflectors. Materials Today: Proceedings, 2021, 45, 5449-5455.   | 1.8 | 18        |
| 3  | Gradient core-shell microstructure in mixed valence multiferroic: TM (Ti, Nb, W) substituted bismuth ferrite. Journal of Alloys and Compounds, 2016, 667, 178-183.   | 5.5 | 14        |
| 4  | Diffuse phase ferroelectric vs. Polomska transition in (1-x) BiFeO <sub>3</sub> -(x) Ba Zr <sub>0.025</sub> Ti <sub>0.975</sub> O <sub>3</sub> (0.1 ≤ x ≤ 0.3) solid solutions. Journal of Applied Physics, 2015, 117, 024102. | 2.5 | 10        |
| 5  | Diffusion entropy analysis and random matrix analysis of the Indian stock market. Physica A: Statistical Mechanics and Its Applications, 2020, 560, 125122.  | 2.6 | 9         |
| 6  | Magnetic anisotropy and anisotropic magnetoresistance in strongly phase separated manganite thin films. Journal of Magnetism and Magnetic Materials, 2016, 408, 60-66.   | 2.3 | 7         |
| 7  | Microstructural and magnetotransport properties of La <sub>1-x</sub> CaxMnO <sub>3</sub> (0.45 ≤ x ≤ 0.60) thin films. Journal of Alloys and Compounds, 2012, 531, 23-29.  | 5.5 | 5         |
| 8  | Defect induced weak ferroelectricity and magnetism in cubic off-stoichiometric nano bismuth iron garnet: effect of milling duration. Journal of Materials Science: Materials in Electronics, 2014, 25, 664-672.                | 2.2 | 5         |
| 9  | Computational fluid dynamics based analysis for optimization of various thermal enhancement techniques used in evacuated tubes solar collectors: A review. Materials Today: Proceedings, 2021, 46, 8700-8707.                  | 1.8 | 5         |
| 10 | Out-of-plane low field anisotropic magnetoresistance in Nd <sub>0.51</sub> Sr <sub>0.49</sub> MnO <sub>3</sub> thin films. Journal of Magnetism and Magnetic Materials, 2011, 323, 2564-2568.                                  | 2.3 | 4         |
| 11 | Structural & Electrical property correlation in defect induced nanostructured off-stoichiometric bismuth ferrite: A defect analysis. Materials Chemistry and Physics, 2015, 164, 15-22.  | 4.0 | 4         |
| 12 | Magneto-transport Properties of La <sub>0.80</sub> Sr <sub>0.20</sub> Mn <sub>1-x</sub> CuxO <sub>3</sub> Thin Films Fabricated by Using Spray Pyrolysis. Journal of the Korean Physical Society, 2011, 58, 58-63.             | 0.7 | 2         |
| 13 | Structural and Magneto-Electrical Properties of (1-x) La <sub>0.70</sub> Sr <sub>0.30</sub> MnO <sub>3</sub> - xBaTiO <sub>3</sub> (x = 0.10 and 0.20). Journal of Superconductivity and Novel Magnetism, 2021, 34, 525-530.   | 1.8 | 1         |
| 14 | Anomalous Weak Ferromagnetism in Electron-doped Nd <sub>1-x</sub> SrxMnO <sub>3</sub> (0.50 ≤ x ≤ 0.62) Thin Films. Journal of the Korean Physical Society, 2011, 59, 2792-2796.   | 0.7 | 1         |
| 15 | Structural and Magneto-Transport Properties of (1-x)La <sub>0.70</sub> Sr <sub>0.30</sub> MnO <sub>3</sub> & (x)ErMnO <sub>3</sub> (x = 0.00, 0.10, 0.20). TJ ETQq1 1 0 7  | 1.8 | 1         |