

A K Pal

List of Publications by Year in descending order

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26
papers

187
citations

1163117

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1199594

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26
all docs

26
docs citations

26
times ranked

305
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Flexible nano-ZnO/polyvinylidene difluoride piezoelectric composite films as energy harvester. Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 2.3 | 28 |
| 2 | Surface plasmon effect in nanocrystalline copper/DLC composite films by electrodeposition technique. Bulletin of Materials Science, 2006, 29, 553-557. | 1.7 | 17 |
| 3 | Extraction of xylem fibers from Musa sapientum and characterization. Fibers and Polymers, 2017, 18, 2225-2234. | 2.1 | 15 |
| 4 | Enhanced piezoelectric property induced in graphene oxide/polyvinylidene fluoride composite flexible thin films. Polymer Composites, 2018, 39, 4205-4216. | 4.6 | 15 |
| 5 | Some aspects of microstructural and dielectric properties of nanocrystalline CdS/poly(vinylidene fluoride) composite thin films. Polymer International, 2015, 64, 924-934. | 3.1 | 12 |
| 6 | Fabrication and characterization of Cu/Cu ₂ O/CuO/ZnO/Al ₂ O ₃ /ZnO/Ag heterojunction solar cells. Semiconductor Science and Technology, 2018, 33, 105007. | 2.0 | 11 |
| 7 | Free-standing nanocrystalline-Cadmium sulfide/Polyvinylidene fluoride composite thin film: synthesis and characterization. Journal of Polymer Research, 2015, 22, 1. | 2.4 | 9 |
| 8 | Nano-Ag/DLC/Cellulose Free-Standing Films Towards Anti-bacterial and Bio-compatible Futuristic Bandage Applications. Journal of Polymers and the Environment, 2020, 28, 284-294. | 5.0 | 9 |
| 9 | Local structure studies of Ni doped ZnO/PVDF composite free-standing flexible thin films using XPS and EXAFS studies. Journal of Polymer Research, 2016, 23, 1. | 2.4 | 8 |
| 10 | Structural and Optical Studies on Sol-gel Composites of Nickel-Doped Nanocrystalline Zinc Oxide/Polyvinylidene Fluoride. Polymer-Plastics Technology and Engineering, 2017, 56, 310-320. | 1.9 | 7 |
| 11 | Electrical and optical properties of silicon-doped gallium nitride polycrystalline films. Bulletin of Materials Science, 2008, 31, 73-82. | 1.7 | 6 |
| 12 | Inclusion of nano-Ag plasmonic layer enhancing the performance of Si/CdS solar cells. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 890-900. | 1.8 | 6 |
| 13 | H ₂ S Gas Sensor Based on Nanocrystalline Copper/DLC Composite Films. Plasmonics, 2015, 10, 503-509. | 3.4 | 6 |
| 14 | Free-standing and flexible nano-ZnO/PVDF composite thin films: impedance spectroscopic studies. Polymers for Advanced Technologies, 2015, 26, 1176-1183. | 3.2 | 5 |
| 15 | Polycrystalline GaSb films prepared by the coevaporation technique. Applied Physics A: Materials Science and Processing, 2014, 115, 1251-1261. | 2.3 | 4 |
| 16 | Probing local structure of co doped polyvinylidene fluoride-ZnO thin films using X-ray absorption spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 131, 115-123. | 2.9 | 4 |
| 17 | Room Temperature Magnetism in Free-Standing Nano-Ni/PVDF Composites. Polymer-Plastics Technology and Engineering, 2017, 56, 1213-1224. | 1.9 | 4 |
| 18 | Flexible and free-standing films containing cobalt-doped nanocrystalline zinc oxide dispersed in polyvinylidene fluoride matrix: synthesis and characterization. Polymer Bulletin, 2018, 75, 307-325. | 3.3 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | CdS impregnated cellulose nanocrystals/PVDF composite flexible and freestanding films: Impedance spectroscopic studies. <i>Polymer Engineering and Science</i> , 2018, 58, 1419-1427. | 3.1 | 4 |
| 20 | Synthesis of B-Sb by rapid thermal annealing of B/Sb multilayer films. <i>Bulletin of Materials Science</i> , 2006, 29, 549-552. | 1.7 | 3 |
| 21 | Improvement on the Performance of InP/CdS Solar Cells with the Inclusion of Plasmonic Layer of Silver Nanoparticles. <i>Plasmonics</i> , 2014, 9, 1271-1281. | 3.4 | 3 |
| 22 | Alternate current conductivity in BSb films prepared by PLD technique: Electron transport processes in low-temperature range (10-275 K). <i>European Physical Journal Plus</i> , 2017, 132, 1. | 2.6 | 2 |
| 23 | Probing local structures in (Ni/Co)-doped ZnO/PVDF composite flexible and freestanding films by using XAS and XPS studies. <i>X-Ray Spectrometry</i> , 2018, 47, 484-494. | 1.4 | 2 |
| 24 | Coulomb Gap and Metal-Insulator-Semiconductor (MIS) Transition in ZnO/n-Ag/ZnO Film in the Plasmonic Domain. <i>Plasmonics</i> , 2015, 10, 1291-1300. | 3.4 | 1 |
| 25 | Electron transport in the plasmonic regime: Silver nanoparticles in ZnO matrix. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 558-565. | 1.5 | 1 |
| 26 | Freestanding flexible composite films of CdS-impregnated cellulose nanocrystals/PVDF: synthesis and characterization. <i>International Journal of Plastics Technology</i> , 2018, 22, 326-340. | 3.1 | 1 |