

# A K Pal

## List of Publications by Year in descending order

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26  
papers

187  
citations

1163117

8  
h-index

1199594

12  
g-index

26  
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26  
docs citations

26  
times ranked

305  
citing authors

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

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19	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
20	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
21	Polycrystalline GaSb films prepared by the coevaporation technique. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 1251-1261.	2.3	4
22	Inclusion of nano-Ag plasmonic layer enhancing the performance of p-Si/CdS solar cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 890-900.	1.8	6
23	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
24	Electrical and optical properties of silicon-doped gallium nitride polycrystalline films. <i>Bulletin of Materials Science</i> , 2008, 31, 73-82.	1.7	6
25	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
26	Surface plasmon effect in nanocrystalline copper/DLC composite films by electrodeposition technique. <i>Bulletin of Materials Science</i> , 2006, 29, 553-557.	1.7	17