Sandeep Kumar

List of Publications by Year in Descending Order

24 papers	1,719 citations	20 h-index	25 g-index
25 ext. papers	1,807 ext. citations	5.9 avg, IF	4.52 L-index

#	Paper	IF	Citations
24	Green-monodispersed Pd-nanoparticles for improved mitigation of pathogens and environmental pollutant. *Materials Today Communications*, **2022**, 30, 103106	2.5	1
23	Incorporation of liquid crystalline triphenylene derivative in bulk heterojunction solar cell with molybdenum oxide as buffer layer for improved efficiency. *Liquid Crystals*, **2016**, 43, 928-936	2.3	21
22	Bulk heterojunction solar cells based on self-assembling disc-shaped liquid crystalline material. *Liquid Crystals*, **2015**, 1-9	2.3	6
21	Microfluidic Synthesis of Polymer and Inorganic Particulate Materials. *Annual Review of Materials Research*, **2010**, 40, 415-443	12.8	180
20	Self-assembly of colloidal quantum dots on the scaffold of triblock copolymer micelles. *ACS Applied Materials & Interfaces*, **2010**, 2, 3160-9	9.5	23
19	Sphere-to-Wormlike Network Transition of Block Copolymer Micelles Containing CdSe Quantum Dots in the Corona. *Macromolecules*, **2010**, 43, 5066-5074	5.5	55
18	Structure and Excited-State Interactions in Composites of CdSe Nanorods and Interface-Compatible Polythiophene-graft-poly(N,N-dimethylaminoethyl methacrylates). *Macromolecular Chemistry and Physics*, **2010**, 211, 393-403	2.6	6
17	Preparative size-exclusion chromatography for purification and characterization of colloidal quantum dots bound by chromophore-labeled polymers and low-molecular-weight chromophores. *Journal of Chromatography A*, **2009**, 1216, 5011-9	4.5	23
16	Exciton Trapping and Recombination in Type II CdSe/CdTe Nanorod Heterostructures. *Journal of Physical Chemistry C*, **2008**, 112, 5423-5431	3.8	75
15	Nanoscale co-organization of quantum dots and conjugated polymers using polymeric micelles as templates. *Journal of the American Chemical Society*, **2008**, 130, 9481-91	16.4	54
14	Colloidal nanocrystal solar cells. *Mikrochimica Acta*, **2008**, 160, 315-325	5.8	71
13	IV VI Nanocrystal polymer solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 195, 39-46	4.7	49
12	Loading quantum dots into thermo-responsive microgels by reversible transfer from organic solvents to water. *Journal of Materials Chemistry*, **2008**, 18, 763		50
11	Energetics of Photoinduced Electron-Transfer Reactions Decided by Quantum Confinement. *Journal of Physical Chemistry C*, **2007**, 111, 13777-13785	3.8	63
10	Hybrid solar cells using PbS nanoparticles. *Solar Energy Materials and Solar Cells*, **2007**, 91, 420-423	6.4	171
9	Nanorod heterostructures showing photoinduced charge separation. *Small*, **2007**, 3, 1633-9	11	180
8	Synthesis and electrochemical properties of InP nanocrystals. *Journal of Materials Research*, **2006**, 21, 543-546	2.5	9

7	Nanocrystal shape and the mechanism of exciton spin relaxation. *Nano Letters*, **2006**, 6, 1765-71	11.5	43
6	Shape control of II-VI semiconductor nanomaterials. *Small*, **2006**, 2, 316-29	11	335
5	Mechanism and origin of exciton spin relaxation in CdSe nanorods. *Journal of Physical Chemistry B*, **2006**, 110, 25371-82	3.4	31
4	Synthesis and structural metastability of CdTe nanowires. *Chemistry - A European Journal*, **2005**, 11, 2220-8	4.8	32
3	First solar cells based on CdTe nanoparticle/MEH-PPV composites. *Journal of Materials Research*, **2004**, 19, 1990-1994	2.5	81
2	Preparation and characterization of poly(methyl methacrylate)–clay nanocomposites via melt intercalation: The effect of organoclay on the structure and thermal properties. *Journal of Applied Polymer Science*, **2003**, 89, 1186-1194	2.9	119
1	Hexagonal CdTe nanoparticles of various morphologies. *Chemical Communications*, **2003**, 2478-9	5.8	41