

# Sandeep Kumar Gundam

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

677  
citations

623574

14  
h-index

713332

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1310  
citing authors

#	ARTICLE	IF	CITATIONS
1	Size Tunable Cesium Antimony Chloride Perovskite Nanowires and Nanorods. <i>Chemistry of Materials</i> , 2018, 30, 2135-2142.	3.2	132
2	Insight into the mechanism revealing the peroxidase mimetic catalytic activity of quaternary CuZnFeS nanocrystals: colorimetric biosensing of hydrogen peroxide and glucose. <i>Nanoscale</i> , 2015, 7, 9062-9074.	2.8	74
3	Demonstration of Ultrarapid Interfacial Formation of 1D Fullerene Nanorods with Photovoltaic Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 15597-15603.	4.0	66
4	Easy extraction of water-soluble graphene quantum dots for light emitting diodes. <i>RSC Advances</i> , 2015, 5, 27711-27716.	1.7	60
5	Transparent, Flexible Silicon Nanostructured Wire Networks with Seamless Junctions for High-Performance Photodetector Applications. <i>ACS Nano</i> , 2018, 12, 4727-4735.	7.3	51
6	Quasi-2D perovskite emitters: a boon for efficient blue light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14334-14347.	2.7	40
7	Encapsulation of CsPbBr <sub>3</sub> Nanocrystals by a Tripodal Amine Markedly Improves Photoluminescence and Stability Concomitantly via Anion Defect Elimination. <i>Chemistry of Materials</i> , 2020, 32, 7159-7171.	3.2	32
8	Supramolecular Aggregates of Tetraphenylethene-Cored AlEgen toward Mechanoluminescent and Electroluminescent Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17409-17418.	4.0	31
9	Shape-controlled cobalt phosphide nanoparticles as volatile organic solvent sensor. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4967-4977.	2.7	29
10	Hierarchical heterostructure of Ag-nanoparticle decorated fullerene nanorods (Ag@FNRs) as an effective single particle freestanding SERS substrate. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18873-18878.	1.3	27
11	Induced Aggregation of AlE-Active Mono-Cyclometalated Ir(III) Complex into Supramolecular Branched Wires for Light-Emitting Diodes. <i>Small</i> , 2017, 13, 1603780.	5.2	23
12	Enhancing Performances of Hybrid Perovskite Light Emitting Diodes with Thickness Controlled PMMA Interlayer. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1241-1248.	2.0	22
13	Triboelectric generator composed of bulk poly(vinylidene fluoride) and polyethylene polymers for mechanical energy conversion. <i>RSC Advances</i> , 2016, 6, 910-917.	1.7	16
14	Large-area transparent flexible guanidinium incorporated MAPbI <sub>3</sub> microstructures for high-performance photodetectors with enhanced stability. <i>Nanoscale Horizons</i> , 2020, 5, 696-704.	4.1	15
15	Transparent, flexible MAPbI <sub>3</sub> perovskite microwire arrays passivated with ultra-hydrophobic supramolecular self-assembly for stable and high-performance photodetectors. <i>Nanoscale</i> , 2020, 12, 11986-11996.	2.8	14
16	Resonant energy transfer in a van der Waals stacked MoS <sub>2</sub> @ functionalized graphene quantum dot composite with <i>in situ</i> validation. <i>Nanoscale</i> , 2018, 10, 16822-16829.	2.8	10
17	Perovskite Nanowires for Next-Generation Optoelectronic Devices: Lab to Fab. <i>ACS Applied Energy Materials</i> , 2022, 5, 1342-1377.	2.5	9
18	Vortex-Aligned Ordered Film of Crystalline Fullerene C <sub>70</sub> Microtubes with Enhanced Photoluminescence and Photovoltaics Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2971-2978.	0.9	8

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19	Synthesis of High Molecular Weight 1,4-Polynaphthalene for Solution-Processed True Color Blue Light Emitting Diode. <i>Macromolecules</i> , 2018, 51, 8324-8329.	2.2	7
20	Colossal magnetoresistance in amino-functionalized graphene quantum dots at room temperature: manifestation of weak anti-localization and doorway to spintronics. <i>Nanoscale</i> , 2016, 8, 8245-8254.	2.8	6
21	Raman imaging and stress quantification in self-assembled graphene oxide fiber <sup>®</sup> Latin Letters <sup>™</sup> . <i>Journal of Raman Spectroscopy</i> , 2016, 47, 845-851.	1.2	3
22	Probing the charge transfer and electron-hole asymmetry in graphene-graphene quantum dot heterostructure. <i>Nanotechnology</i> , 2022, 33, 325704.	1.3	2