

Sandeep Kumar Gundam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

470
citations

12
h-index

21
g-index

22
ext. papers

567
ext. citations

7
avg, IF

3.76
L-index

#	Paper	IF	Citations
21	Transparent, flexible MAPbI perovskite microwire arrays passivated with ultra-hydrophobic supramolecular self-assembly for stable and high-performance photodetectors. <i>Nanoscale</i> , 2020 , 12, 11986-11996	7.7	9
20	Vortex-Aligned Ordered Film of Crystalline Fullerene C Microtubes with Enhanced Photoluminescence and Photovoltaics Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 2971-2978	1.3	6
19	Large-area transparent flexible guanidinium incorporated MAPbI microstructures for high-performance photodetectors with enhanced stability. <i>Nanoscale Horizons</i> , 2020 , 5, 696-704	10.8	8
18	Encapsulation of CsPbBr ₃ Nanocrystals by a Tripodal Amine Markedly Improves Photoluminescence and Stability Concomitantly via Anion Defect Elimination. <i>Chemistry of Materials</i> , 2020 , 32, 7159-7171	9.6	18
17	Quasi-2D perovskite emitters: a boon for efficient blue light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14334-14347	7.1	17
16	Size Tunable Cesium Antimony Chloride Perovskite Nanowires and Nanorods. <i>Chemistry of Materials</i> , 2018 , 30, 2135-2142	9.6	86
15	Transparent, Flexible Silicon Nanostructured Wire Networks with Seamless Junctions for High-Performance Photodetector Applications. <i>ACS Nano</i> , 2018 , 12, 4727-4735	16.7	41
14	Supramolecular Aggregates of Tetraphenylethene-Cored AIEgen toward Mechanoluminescent and Electroluminescent Devices. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17409-17418	9.5	22
13	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	5.1	14
12	Resonant energy transfer in a van der Waals stacked MoS ₂ - functionalized graphene quantum dot composite with ab initio validation. <i>Nanoscale</i> , 2018 , 10, 16822-16829	7.7	6
11	Synthesis of High Molecular Weight 1,4-Polynaphthalene for Solution-Processed True Color Blue Light Emitting Diode. <i>Macromolecules</i> , 2018 , 51, 8324-8329	5.5	5
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	3.6	18
9	Induced Aggregation of AIE-Active Mono-Cyclometalated Ir(III) Complex into Supramolecular Branched Wires for Light-Emitting Diodes. <i>Small</i> , 2017 , 13, 1603780	11	18
8	Triboelectric generator composed of bulk poly(vinylidene fluoride) and polyethylene polymers for mechanical energy conversion. <i>RSC Advances</i> , 2016 , 6, 910-917	3.7	10
7	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, 8245-54	7.7	6
6	Raman imaging and stress quantification in self-assembled graphene oxide fiber [Latin Letters] <i>Journal of Raman Spectroscopy</i> , 2016 , 47, 845-851	2.3	2
5	Shape-controlled cobalt phosphide nanoparticles as volatile organic solvent sensor. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 4967-4977	7.1	15

4	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, 9062-74	7.7	64
3	Easy extraction of water-soluble graphene quantum dots for light emitting diodes. <i>RSC Advances</i> , 2015 , 5, 27711-27716	3.7	44
2	Demonstration of ultrarapid interfacial formation of 1D fullerene nanorods with photovoltaic properties. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 15597-603	9.5	60
1	Perovskite Nanowires for Next-Generation Optoelectronic Devices: Lab to Fab. <i>ACS Applied Energy Materials</i> ,	6.1	0