

Amandeep Singh Pannu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

448
citations

933447

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Ultra-bright green carbon dots with excitation-independent fluorescence for bioimaging. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 377-387.	9.1	13
2	Monochromatic Blue and Switchable Blue-Green Carbon Quantum Dots by Room-Temperature Air Plasma Processing. <i>Advanced Materials Technologies</i> , 2022, 7, 2100586.	5.8	16
3	Band Alignment with Self-Assembled 2D Layer of Carbon Derived from Waste to Balance Charge Injection in Perovskite Crystals Based Rigid and Flexible Light Emitting Diodes. <i>Advanced Materials Technologies</i> , 2022, 7, 2100583.	5.8	4
4	Co-Electrodeposition of Nanostructured Ce-NiO _x on Stainless Steel Substrates for the Oxygen Evolution Reaction under Alkaline Conditions. <i>Advanced Materials Technologies</i> , 2022, 7, 2100705.	5.8	4
5	Surface Treatment of Inorganic CsPbI ₃ Nanocrystals with Guanidinium Iodide for Efficient Perovskite Light-Emitting Diodes with High Brightness. <i>Nano-Micro Letters</i> , 2022, 14, 69.	27.0	24
6	Composition and concentration-dependent photoluminescence of nitrogen-doped carbon dots. <i>Advanced Powder Technology</i> , 2022, 33, 103560.	4.1	7
7	Versatile BODIPY-based low-bandgap conjugated small molecule for light harvesting and near-infrared photodetection. <i>Informa-Materials</i> , 2022, 4, .	17.3	7
8	Isolation and Detection of Exosomes Using Fe ₂ O ₃ Nanoparticles. <i>ACS Applied Nano Materials</i> , 2021, 4, 1175-1186.	5.0	41
9	Self-assembled carbon dot-wrapped perovskites enable light trapping and defect passivation for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7508-7521.	10.3	21
10	Electrochemical Detection of Global DNA Methylation Using Biologically Assembled Polymer Beads. <i>Cancers</i> , 2021, 13, 3787.	3.7	1
11	Anti-MagnetoMethyl IP: a magnetic nanoparticle-mediated immunoprecipitation and electrochemical detection method for global DNA methylation. <i>Analyst</i> , The, 2021, 146, 3654-3665.	3.5	3
12	Polyoxometalates (POMs): from electroactive clusters to energy materials. <i>Energy and Environmental Science</i> , 2021, 14, 1652-1700.	30.8	184
13	Fluorination of pyrene-based organic semiconductors enhances the performance of light emitting diodes and halide perovskite solar cells. <i>Organic Electronics</i> , 2020, 77, 105524.	2.6	10
14	Reduced Threshold Voltages and Enhanced Mobilities in Diketopyrrolopyrrole-Dithienothiophene Polymer-Based Organic Transistor by Interface Engineering. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000097.	1.8	5
15	Electrode and dielectric layer interface device engineering study using furan flanked diketopyrrolopyrrole-dithienothiophene polymer based organic transistors. <i>Scientific Reports</i> , 2020, 10, 19989.	3.3	9
16	Potassium Doping to Enhance Green Photoemission of Light-Emitting Diodes Based on CsPbBr ₃ Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , 2020, 8, 2000742.	7.3	32
17	Carbon dots derived from human hair for ppb level chloroform sensing in water. <i>Sustainable Materials and Technologies</i> , 2020, 25, e00159.	3.3	21
18	Biowaste-Derived, Self-Organized Arrays of High-Performance 2D Carbon Emitters for Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2020, 32, e1906176.	21.0	27

#	ARTICLE	IF	CITATIONS
19	Electropolymerized Porous Polymer Films on Flexible Indium Tin Oxide Using Trifunctional Furan Substituted Benzene Conjugated Monomer for Biosensing. ACS Applied Polymer Materials, 2020, 2, 351-359.	4.4	10
20	Synthesis of fluorescent core-shell nanomaterials and strategies to generate white light. Journal of Applied Physics, 2015, 118, 044305.	2.5	9