Amandeep Singh Pannu

List of Publications by Year
in descending order

20	448	933447 10	752698 20
papers	citations	h-index	g-index

20	20	20	444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyoxometalates (POMs): from electroactive clusters to energy materials. Energy and Environmental Science, 2021, 14, 1652-1700.	30.8	184
2	Isolation and Detection of Exosomes Using Fe₂O₃ Nanoparticles. ACS Applied Nano Materials, 2021, 4, 1175-1186.	5.0	41
3	Potassium Doping to Enhance Green Photoemission of Lightâ€Emitting Diodes Based on CsPbBr₃ Perovskite Nanocrystals. Advanced Optical Materials, 2020, 8, 2000742.	7.3	32
4	Biowasteâ€Derived, Selfâ€Organized Arrays of Highâ€Performance 2D Carbon Emitters for Organic Lightâ€Emitting Diodes. Advanced Materials, 2020, 32, e1906176.	21.0	27
5	Surface Treatment of Inorganic CsPbI3 Nanocrystals with Guanidinium Iodide for Efficient Perovskite Light-Emitting Diodes with High Brightness. Nano-Micro Letters, 2022, 14, 69.	27.0	24
6	Carbon dots derived from human hair for ppb level chloroform sensing in water. Sustainable Materials and Technologies, 2020, 25, e00159.	3.3	21
7	Self-assembled carbon dot-wrapped perovskites enable light trapping and defect passivation for efficient and stable perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 7508-7521.	10.3	21
8	Monochromatic Blue and Switchable Blueâ€Green Carbon Quantum Dots by Roomâ€Temperature Air Plasma Processing. Advanced Materials Technologies, 2022, 7, 2100586.	5.8	16
9	Ultra-bright green carbon dots with excitation-independent fluorescence for bioimaging. Journal of Nanostructure in Chemistry, 2023, 13, 377-387.	9.1	13
10	Fluorination of pyrene-based organic semiconductors enhances the performance of light emitting diodes and halide perovskite solar cells. Organic Electronics, 2020, 77, 105524.	2.6	10
11	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
12	Synthesis of fluorescent core-shell nanomaterials and strategies to generate white light. Journal of Applied Physics, 2015, 118, 044305.	2.5	9
13	Electrode and dielectric layer interface device engineering study using furan flanked diketopyrrolopyrroleâ€“dithienothiophene polymer based organic transistors. Scientific Reports, 2020, 10, 19989.	3.3	9
14	Composition and concentration-dependent photoluminescence of nitrogen-doped carbon dots. Advanced Powder Technology, 2022, 33, 103560.	4.1	7
15	Versatile <scp>azaâ€BODIPY</scp>â€based <scp>lowâ€bandgap</scp> conjugated small molecule for light harvesting and <scp>nearâ€infrared</scp> photodetection. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	17.3	7
16	Reduced Threshold Voltages and Enhanced Mobilities in Diketopyrrolopyrroleâ€“Dithienothiophene Polymerâ€Based Organic Transistor by Interface Engineering. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000097.	1.8	5
17	Band Alignment with Selfâ€Assembled 2D Layer of Carbon Derived from Waste to Balance Charge Injection in Perovskite Crystals Based Rigid and Flexible Light Emitting Diodes. Advanced Materials Technologies, 2022, 7, 2100583.	5.8	4
18	Coâ€Electrodeposition of Nanostructured Ceâ€NiO_x on Stainlessâ€Steel Substrates for the Oxygen Evolution Reaction under Alkaline Conditions. Advanced Materials Technologies, 2022, 7, 2100705.	5.8	4

#	Article	IF	Citations
19	e-MagnetoMethyl IP: a magnetic nanoparticle-mediated immunoprecipitation and electrochemical detection method for global DNA methylation. Analyst, The, 2021, 146, 3654-3665.	3.5	3
20	Electrochemical Detection of Global DNA Methylation Using Biologically Assembled Polymer Beads. Cancers, 2021, 13, 3787.	3.7	1