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List of Publications by Year
in descending order

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47 papers	1,004 citations	430874 18 h-index	454955 30 g-index
47 all docs	47 docs citations	47 times ranked	807 citing authors

#	Article	IF	Citations
1	Gamma ray-induced effects on the properties of CsPbBr3 perovskite thin film. Journal of King Saud University - Science, 2022, 34, 101802.	3.5	7
2	Structural, optical, and antibacterial characteristics of mixed metal oxide CdOâ€“NiOâ€“Fe2O3 nanocomposites prepared using a self-combustion method at different polyvinyl alcohol concentrations. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	7
3	Investigation of Threshold Carrier Densities in the Optically Pumped Amplified Spontaneous Emission of Formamidinium Lead Bromide Perovskite Using Different Excitation Wavelengths. Photonics, 2022, 9, 4.	2.0	4
4	Solvent Effects on the Structural and Optical Properties of MAPbI3 Perovskite Thin Film for Photovoltaic Active Layer. Coatings, 2022, 12, 549.	2.6	3
5	Amplified Spontaneous Emission from Thermally Evaporated High-Quality Thin Films of CsPb(Br_{1â€“x}Y_x)₃ (Y = I, Cl) Perovskites. Langmuir, 2022, 38, 8607-8613.	3.5	10
6	A facile approach to construct organic Dâ€“Ï€â€“A dyes via sequential condensation reactions for dye-sensitized solar cells. Sustainable Energy and Fuels, 2021, 5, 289-296.	4.9	6
7	Enhancing the Optical and Optoelectronic Properties of MEH-PPV-Based Light-Emitting Diodes by Adding SiO2/TiO2 Nanocomposites. Journal of Non-Crystalline Solids, 2021, 552, 120429.	3.1	13
8	Tuning the Optical Properties of MEHâ€“PPV/PFO Hybrid Thin Films via the Incorporation of CsPbBr3 Quantum Dots. Coatings, 2021, 11, 154.	2.6	8
9	Anion Substitution Effects on the Structural, Electronic, and Optical Properties of Inorganic CsPb(I_{1â€“x}Br_x)₃ and CsPb(Br_{1â€“x}Cl_x)₃ Perovskites: Theoretical and Experimental Approaches. Journal of Physical Chemistry C, 2021, 125, 886-897.	3.1	25
10	Tuning Photophysical Properties of Donor/Acceptor Hybrid Thin- Film via Addition of SiO2/TiO2 Nanocomposites. Polymers, 2021, 13, 611.	4.5	4
11	Influence of Inorganic NiO x Hole Transport Layer on the Growth of CsBi 3 I 10 Perovskite Films for Photovoltaic Applications. Advanced Materials Interfaces, 2021, 8, 2002083.	3.7	14
12	Achieving Optical Gain of the CsPbBr₃Perovskite Quantum Dots and Influence of the Variable Stripe Length Method. ACS Omega, 2021, 6, 5297-5309.	3.5	21
13	Tuning of Amplified Spontaneous Emission Wavelength for Green and Blue Light Emission through the Tunable Composition of CsPb(Br_{1â€“x}Cl_x)₃ Inorganic Perovskite Quantum Dots. Journal of Physical Chemistry C, 2021, 125, 9441-9452.	3.1	14
14	First principle study of leadâ€free double perovskites halides<scp>Rb₂Pd</scp>(Cl/Br)₆for solar cells and renewable energy devices: A quantum<scp>DFT</scp>. International Journal of Energy Research, 2021, 45, 14995-15004.	4.5	33
15	Investigation of the Surface Passivation Effect on the Optical Properties of CsPbBr3 Perovskite Quantum Dots. Surfaces and Interfaces, 2021, 23, 100948.	3.0	15
16	Mesoporous Organo-Silica Supported Chromium Oxide Catalyst for Oxidative Dehydrogenation of Ethane to Ethylene with CO2. Catalysts, 2021, 11, 642.	3.5	6
17	Influence of SiO2/TiO2 nanocomposites on dual resonance FÃ¶rster energy transfer in ternary hybrid thin films. Results in Physics, 2021, 24, 104142.	4.1	2
18	Dielectric and electrical properties of La@NiO SNPs for high-performance optoelectronic applications. Ceramics International, 2021, 47, 15611-15621.	4.8	29

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19	Designing of highly active g-C3N4/Co@ZnO ternary nanocomposites for the disinfection of pathogens and degradation of the organic pollutants from wastewater under visible light. Journal of Environmental Chemical Engineering, 2021, 9, 105534.	6.7	48
20	Enhancement of Light Amplification of CsPbBr3 Perovskite Quantum Dot Films via Surface Encapsulation by PMMA Polymer. Polymers, 2021, 13, 2574.	4.5	15
21	ZnO Nanosheet-Nanowire morphology tuning for Dye-sensitized solar cell applications. Chemical Physics Letters, 2021, 780, 138953.	2.6	5
22	Influence of single and dual doping (Ag and Co) on the optical properties of CdS quantum dot thin films for solar application. Optik, 2021, 246, 167824.	2.9	3
23	Density Functional Theory Analysis of Structural, Electronic, and Optical Properties of Mixed-Halide Orthorhombic Inorganic Perovskites. ACS Omega, 2021, 6, 30752-30761.	3.5	28
24	Controlling the Emission Spectrum of Binary Emitting Polymer Hybrids by a Systematic Doping Strategy via FÃ¶rster Resonance Energy Transfer for White Emission. Micromachines, 2021, 12, 1371.	2.9	5
25	Optical and structural properties of CsPbBr3 perovskite quantum dots/PFO polymer composite thin films. Journal of Colloid and Interface Science, 2020, 563, 426-434.	9.4	77
26	Improving Photophysical Properties of White Emitting Ternary Conjugated Polymer Blend Thin Film via Additions of TiO2 Nanoparticles. Polymers, 2020, 12, 2154.	4.5	13
27	Structural, Electronic, and Optical Properties of CsPb(Br1â^'xClx)3 Perovskite: First-Principles Study with PBEâ€“GGA and mBJâ€“GGA Methods. Materials, 2020, 13, 4944.	2.9	22
28	Fabrication of Thin Films from Powdered Cesium Lead Bromide (CsPbBr₃) Perovskite Quantum Dots for Coherent Green Light Emission. ACS Omega, 2020, 5, 30111-30122.	3.5	26
29	Ultra-Stable Polycrystalline CsPbBr3 Perovskiteâ€“Polymer Composite Thin Disk for Light-Emitting Applications. Nanomaterials, 2020, 10, 2382.	4.1	18
30	Structural, morphological, vibrational, optical, and nonlinear characteristics of spray pyrolyzed CdS thin films: Effect of Gd doping content. Materials Chemistry and Physics, 2020, 255, 123615.	4.0	30
31	Fabrication of lead-free CsBi₃I₁₀ based compact perovskite thin films by employing solvent engineering and anti-solvent treatment techniques: an efficient photo-conversion efficiency up to 740 nm. Sustainable Energy and Fuels, 2020, 4, 5042-5049.	4.9	24
32	Single-Source Thermal Evaporation Growth and the Tuning Surface Passivation Layer Thickness Effect in Enhanced Amplified Spontaneous Emission Properties of CsPb(Br0.5Cl0.5)3 Perovskite Films. Polymers, 2020, 12, 2953.	4.5	15
33	Triplet Energy Transfer Mechanism of Ternary Organic Hybrid Thin Films of PFO/MEH-PPV/CsPbBr3 Perovskite Quantum Dots. Nanomaterials, 2020, 10, 2094.	4.1	6
34	A facile one-pot flash combustion synthesis of La@ZnO nanoparticles and their characterizations for optoelectronic and photocatalysis applications. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 395, 112465.	3.9	51
35	Computational Investigation of the Folded and Unfolded Band Structure and Structural and Optical Properties of CsPb(I1â^'xBrx)3 Perovskites. Crystals, 2020, 10, 342.	2.2	9
36	Density Functional Study of Cubic, Tetragonal, and Orthorhombic CsPbBr₃ Perovskite. ACS Omega, 2020, 5, 7468-7480.	3.5	105

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37	First principle-based calculations of the optoelectronic features of 2 x 2 x 2 CsPb(I1-xBrx)3 perovskite. Superlattices and Microstructures, 2020, 140, 106474.	3.1	15
38	Effect of deposition method on the structural and optical properties of CH3NH3PbI3 perovskite thin films. Optical Materials, 2020, 103, 109836.	3.6	64
39	Rapid microwave-assisted synthesis of Ag-doped PbS nanoparticles for optoelectronic applications. Ceramics International, 2019, 45, 21975-21985.	4.8	70
40	Magnetron sputtered Dy2O3 with chromium and copper contents for antireflective thin films with enhanced absorption. Journal of Rare Earths, 2019, 37, 989-994.	4.8	9
41	Effect of Gd doping on structural, optical properties, photoluminescence and electrical characteristics of CdS nanoparticles for optoelectronics. Ceramics International, 2019, 45, 10133-10141.	4.8	54
42	Structural and optical investigation of brookite TiO2 thin films grown by atomic layer deposition on Si (111) substrates. Materials Chemistry and Physics, 2019, 225, 55-59.	4.0	11
43	Mesoporous multi-silica layer-coated Y2O3:Eu core-shell nanoparticles: Synthesis, luminescent properties and cytotoxicity evaluation. Materials Science and Engineering C, 2019, 96, 365-373.	7.3	42
44	Using a Spectrofluorometer for Resonance Raman Spectra of Organic Molecules. Journal of Spectroscopy, 2017, 2017, 1-7.	1.3	7
45	Laser induced photocurrent and photovoltage transient measurements of dye-sensitized solar cells based on TiO2 nanosheets and TiO2 nanoparticles. Electrochimica Acta, 2016, 212, 992-997.	5.2	11
46	Invoking the frequency dependence in square modulated light intensity techniques for the measurement of electron time constants in dye-sensitized solar cells. , 2015, , .		0
47	First-principles Investigation of Structural, Electronic and Optical Properties of CsPb (I1-xBrx)3 (x =) Tj ETQq1 1 0.784314 rgBT /Overl		0