

Saif M H Qaid

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Density Functional Study of Cubic, Tetragonal, and Orthorhombic CsPbBr ₃ Perovskite. ACS Omega, 2020, 5, 7468-7480.	1.6	105
2	Optical and structural properties of CsPbBr ₃ perovskite quantum dots/PFO polymer composite thin films. Journal of Colloid and Interface Science, 2020, 563, 426-434.	5.0	77
3	Band-gap tuning of lead halide perovskite using a single step spin-coating deposition process. Materials Letters, 2016, 164, 498-501.	1.3	65
4	Effect of deposition method on the structural and optical properties of CH ₃ NH ₃ PbI ₃ perovskite thin films. Optical Materials, 2020, 103, 109836.	1.7	64
5	Density Functional Theory Analysis of Structural, Electronic, and Optical Properties of Mixed-Halide Orthorhombic Inorganic Perovskites. ACS Omega, 2021, 6, 30752-30761.	1.6	28
6	Fabrication of Thin Films from Powdered Cesium Lead Bromide (CsPbBr ₃) Perovskite Quantum Dots for Coherent Green Light Emission. ACS Omega, 2020, 5, 30111-30122.	1.6	26
7	Anion Substitution Effects on the Structural, Electronic, and Optical Properties of Inorganic CsPb(I _{1-x} Br _x) ₃ and CsPb(Br _{1-x} Cl _x) ₃ Perovskites: Theoretical and Experimental Approaches. Journal of Physical Chemistry C, 2021, 125, 886-897.	1.5	25
8	Flexible conductive nanocomposite PEDOT:PSS/Te nanorod films for superior electromagnetic interference (EMI) shielding: A new exploration. Journal of Industrial and Engineering Chemistry, 2021, 100, 233-247.	2.9	25
9	Synthesis of Pure Brookite Nanorods in a Nonaqueous Growth Environment. Crystals, 2019, 9, 562.	1.0	22
10	Structural, Electronic, and Optical Properties of CsPb(Br _{1-x} Cl _x) ₃ Perovskite: First-Principles Study with PBE-GGA and mBJ-GGA Methods. Materials, 2020, 13, 4944.	1.3	22
11	Long-range dipole-dipole energy transfer enhancement via addition of SiO ₂ /TiO ₂ nanocomposite in PFO/MEH-PPV hybrid thin films. Journal of Applied Polymer Science, 2019, 136, 47845.	1.3	21
12	Achieving Optical Gain of the CsPbBr ₃ Perovskite Quantum Dots and Influence of the Variable Stripe Length Method. ACS Omega, 2021, 6, 5297-5309.	1.6	21
13	Restraining effect of film thickness on the behaviour of amplified spontaneous emission from methylammonium lead iodide perovskite. IET Optoelectronics, 2019, 13, 2-6.	1.8	19
14	Ultra-Stable Polycrystalline CsPbBr ₃ Perovskite-Polymer Composite Thin Disk for Light-Emitting Applications. Nanomaterials, 2020, 10, 2382.	1.9	18
15	Reducing Amplified Spontaneous Emission Threshold in CsPbBr ₃ Quantum Dot Films by Controlling TiO ₂ Compact Layer. Nanomaterials, 2020, 10, 1605.	1.9	15
16	Single-Source Thermal Evaporation Growth and the Tuning Surface Passivation Layer Thickness Effect in Enhanced Amplified Spontaneous Emission Properties of CsPb(Br _{0.5} Cl _{0.5}) ₃ Perovskite Films. Polymers, 2020, 12, 2953.	2.0	15
17	First principle-based calculations of the optoelectronic features of 2 x 2 x 2 CsPb(I _{1-x} Br _x) ₃ perovskite. Superlattices and Microstructures, 2020, 140, 106474.	1.4	15
18	Investigation of the Surface Passivation Effect on the Optical Properties of CsPbBr ₃ Perovskite Quantum Dots. Surfaces and Interfaces, 2021, 23, 100948.	1.5	15

#	ARTICLE	IF	CITATIONS
19	Enhancement of Light Amplification of CsPbBr ₃ Perovskite Quantum Dot Films via Surface Encapsulation by PMMA Polymer. <i>Polymers</i> , 2021, 13, 2574.	2.0	15
20	Structural and spectral investigations of Rhodamine (Rh6G) dye-silica core-shell nanoparticles. <i>Optical Materials</i> , 2012, 34, 761-768.	1.7	14
21	Tuning of Amplified Spontaneous Emission Wavelength for Green and Blue Light Emission through the Tunable Composition of CsPb(Br _{1-x} Cl _x) ₃ Inorganic Perovskite Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9441-9452.	1.5	14
22	Improving Photophysical Properties of White Emitting Ternary Conjugated Polymer Blend Thin Film via Additions of TiO ₂ Nanoparticles. <i>Polymers</i> , 2020, 12, 2154.	2.0	13
23	Enhancing the Optical and Optoelectronic Properties of MEH-PPV-Based Light-Emitting Diodes by Adding SiO ₂ /TiO ₂ Nanocomposites. <i>Journal of Non-Crystalline Solids</i> , 2021, 552, 120429.	1.5	13
24	Laser induced photocurrent and photovoltage transient measurements of dye-sensitized solar cells based on TiO ₂ nanosheets and TiO ₂ nanoparticles. <i>Electrochimica Acta</i> , 2016, 212, 992-997.	2.6	11
25	Structural and optical investigation of brookite TiO ₂ thin films grown by atomic layer deposition on Si (111) substrates. <i>Materials Chemistry and Physics</i> , 2019, 225, 55-59.	2.0	11
26	Effect of Donor-Acceptor Concentration Ratios on Non-Radiative Energy Transfer in Zero-Dimensional Cs ₄ PbBr ₆ Perovskite/MEH-PPV Nanocomposite Thin Films. <i>Polymers</i> , 2020, 12, 444.	2.0	11
27	Effect of ethylene glycol concentration on the structural and optical properties of multimetal oxide CdO-NiO-Fe ₂ O ₃ nanocomposites for antibacterial activity. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 155, 110113.	1.9	11
28	Amplified Spontaneous Emission from Thermally Evaporated High-Quality Thin Films of CsPb(Br _{1-x} Y _x) ₃ (Y = I, Cl) Perovskites. <i>Langmuir</i> , 2022, 38, 8607-8613.	1.6	10
29	Computational Investigation of the Folded and Unfolded Band Structure and Structural and Optical Properties of CsPb(I _{1-x} Br _x) ₃ Perovskites. <i>Crystals</i> , 2020, 10, 342.	1.0	9
30	Tuning the Optical Properties of MEH-PPV/PFO Hybrid Thin Films via the Incorporation of CsPbBr ₃ Quantum Dots. <i>Coatings</i> , 2021, 11, 154.	1.2	8
31	Gamma ray-induced effects on the properties of CsPbBr ₃ perovskite thin film. <i>Journal of King Saud University - Science</i> , 2022, 34, 101802.	1.6	7
32	Structural, optical, and antibacterial characteristics of mixed metal oxide CdO-NiO-Fe ₂ O ₃ nanocomposites prepared using a self-combustion method at different polyvinyl alcohol concentrations. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	7
33	Triplet Energy Transfer Mechanism of Ternary Organic Hybrid Thin Films of PFO/MEH-PPV/CsPbBr ₃ Perovskite Quantum Dots. <i>Nanomaterials</i> , 2020, 10, 2094.	1.9	6
34	Controlling the Emission Spectrum of Binary Emitting Polymer Hybrids by a Systematic Doping Strategy via Förster Resonance Energy Transfer for White Emission. <i>Micromachines</i> , 2021, 12, 1371.	1.4	5
35	Tuning Photophysical Properties of Donor/Acceptor Hybrid Thin- Film via Addition of SiO ₂ /TiO ₂ Nanocomposites. <i>Polymers</i> , 2021, 13, 611.	2.0	4
36	Investigation of Threshold Carrier Densities in the Optically Pumped Amplified Spontaneous Emission of Formamidinium Lead Bromide Perovskite Using Different Excitation Wavelengths. <i>Photonics</i> , 2022, 9, 4.	0.9	4

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37	Photophysical and energy transfer mechanism studies of Poly (9,9-di-n-octylfluorenyl-2,7-diyl)/Fluorol 7GA/Poly [2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] ternary organic blend films. Thin Solid Films, 2019, 683, 90-96.	0.8	3
38	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.	1.4	3
39	Photophysical Properties and Energy Transfer Mechanism in PFO/TiO ₂ /MEH-PPV Nanocomposite Thin Films. Sains Malaysiana, 2020, 49, 2801-2809.	0.3	3
40	Solvent Effects on the Structural and Optical Properties of MAPbI ₃ Perovskite Thin Film for Photovoltaic Active Layer. Coatings, 2022, 12, 549.	1.2	3
41	Influence of SiO ₂ /TiO ₂ nanocomposites on dual resonance Förster energy transfer in ternary hybrid thin films. Results in Physics, 2021, 24, 104142.	2.0	2
42	Structural and Spectroscopic Characterization of PM 597 Dye-Silica Core-Shell Nanoparticles. Journal of Spectroscopy, 2015, 2015, 1-7.	0.6	0
43	Invoking the frequency dependence in square modulated light intensity techniques for the measurement of electron time constants in dye-sensitized solar cells. , 2015, , .		0