Aymen Yangui

List of Publications by Year
in descending order

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30 papers	1,650 citations	430874 18 h-index	552781 26 g-index
32 all docs	32 docs citations	32 times ranked	2010 citing authors

#	Article	IF	Citations
1	Optical Investigation of Broadband White-Light Emission in Self-Assembled Organicâ€“Inorganic Perovskite (C₆H₁₁NH₃)₂PbBr₄. Journal of Physical Chemistry C, 2015, 119, 23638-23647.	3.1	279
2	Near-Unity Photoluminescence Quantum Yield in Blue-Emitting Cs₃Cu₂Br_{5â€“x}I_x (0 â‰¤ x â‰¤ 5). ACS Applied Electronic Materials, 2019, 1, 269-274.	4.3	184
3	Bright Luminescence from Nontoxic CsCu₂X₃ (X = Cl, Br, I). , 2019, 1, 459-465.		148
4	Hybrid Organicâ€“Inorganic Halides (C₅H₇N₂)₂MBr₄ (M = Hg, Zn) with High Color Rendering Index and High-Efficiency White-Light Emission. Chemistry of Materials, 2019, 31, 2983-2991.	6.7	143
5	Broadband Emission in a New Two-Dimensional Cd-Based Hybrid Perovskite. ACS Photonics, 2018, 5, 1599-1611.	6.6	96
6	Rb₂CuX₃ (X = Cl, Br): 1D Allâ€Inorganic Copper Halides with Ultrabright Blue Emission and Upâ€Conversion Photoluminescence. Advanced Optical Materials, 2020, 8, 1901338.	7.3	86
7	Interplay between spin-crossover and luminescence in a multifunctional single crystal iron(<scp>ii</scp>) complex: towards a new generation of molecular sensors. Chemical Science, 2019, 10, 6791-6798.	7.4	76
8	Structural characterization, vibrational, optical properties and DFT investigation of a new luminescent organicâ€“inorganic material: (C6H14N)3Bi2I9. Journal of Luminescence, 2015, 161, 214-220.	3.1	75
9	Broadband Emission in Hybrid Organicâ€“Inorganic Halides of Group 12 Metals. ACS Omega, 2018, 3, 18791-18802.	3.5	70
10	Yellowish White-Light Emission Involving Resonant Energy Transfer in a New One-Dimensional Hybrid Material: (C₉H₁₀N₂)PbCl₄. Journal of Physical Chemistry C, 2018, 122, 24253-24261.	3.1	60
11	Highly Efficient Broad-Band Luminescence Involving Organic and Inorganic Molecules in a Zero-Dimensional Hybrid Lead Chloride. Journal of Physical Chemistry C, 2019, 123, 22470-22477.	3.1	57
12	Zero-Dimensional Hybrid Organicâ€“Inorganic Indium Bromide with Blue Emission. Inorganic Chemistry, 2021, 60, 1045-1054.	4.0	48
13	Control of the white-light emission in the mixed two-dimensional hybrid perovskites (C6H11NH3)2[PbBr4â^'xIx]. Journal of Alloys and Compounds, 2017, 699, 1122-1133.	5.5	47
14	Structural phase transition causing anomalous photoluminescence behavior in perovskite (C6H11NH3)2[PbI4]. Journal of Chemical Physics, 2015, 143, 224201.	3.0	43
15	Are Shockley-Read-Hall and ABC models valid for lead halide perovskites?. Nature Communications, 2021, 12, 3329.	12.8	41
16	Rb₄Ag₂BiBr₉: A Lead-Free Visible Light Absorbing Halide Semiconductor with Improved Stability. Inorganic Chemistry, 2019, 58, 4446-4455.	4.0	35
17	CHEMOMETRIC CHARACTERIZATION OF FIVE TUNISIAN VARIETALS OFOLEA EUROPAEAL. OLIVE FRUIT ACCORDING TO DIFFERENT MATURATION INDICES. Journal of Food Lipids, 2008, 15, 277-296.	1.0	29
18	Rapid and robust spatiotemporal dynamics of the first-order phase transition in crystals of the organic-inorganic perovskite (C12H25NH3)2PbI4. Scientific Reports, 2015, 5, 16634.	3.3	28

#	Article	IF	Citations
19	In Situ Optical Studies on Morphology Formation in Organic Photovoltaic Blends. Small Methods, 2021, 5, e2100585.	8.6	21
20	Evidence and detailed study of a second-order phase transition in the (C₆H₁₁NH₃)₂[PbI₄] organic-inorganic hybrid material. Journal of Applied Physics, 2015, 117, 115503.	2.5	17
21	Evaporative electron cooling in asymmetric double barrier semiconductor heterostructures. Nature Communications, 2019, 10, 4504.	12.8	17
22	(CH 3 NH 3)AuX 4 â‹…H 2 O (X=Cl, Br) and (CH 3 NH 3)AuCl 4 : Lowâ€Band Gap Leadâ€Free Layered Gold Halide Perovskite Materials. Chemistry - A European Journal, 2019, 25, 9875-9884.	3.3	15
23	Additive-assisted synthesis and optoelectronic properties of (CH3NH3)4Bi6I22. Inorganic Chemistry Frontiers, 2020, 7, 1564-1572.	6.0	11
24	Thermionic cooling devices based on resonant-tunneling AlGaAs/GaAs heterostructure. Journal of Physics Condensed Matter, 2018, 30, 064005.	1.8	10
25	Bis[tris(propane-1,3-diamine-Î²²N,Nâ€²)nickel(II)] diaquabis(propane-1,3-diamine-Î²²N,Nâ€²)nickel(II) hexabromide dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, m227-m228.	0.2	5
26	Time-resolved photoluminescence studies of single interface wurtzite/zincblende heterostructured InP nanowires. Applied Physics Letters, 2022, 120, .	3.3	2
27	Frontispiece: (CH₃NH₃)AuX₄â‹…H₂O (X=Cl, Br) and (CH₃NH₃)AuCl₄: Lowâ€Band Gap Leadâ€Free Layered Gold Halide Perovskite Materials. Chemistry - A European Journal, 2019, 25, .	3.3	0
28	White-Light Emission in two-dimensional Hybrid Perovskites. , 0, , .		0
29	Excitation pulse repetition rate variation method for studying carrier recombination kinetics in perovskite thin films. , 0, , .		0
30	DFT Analysis of Low Temperature Structural Distorsions in a Series of White-Light Emitting Ruddlesden-Popper Perovskites. , 0, , .		0