

Aymen Yangui

List of Publications by Year in descending order

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Version: 2024-02-01

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	Time-resolved photoluminescence studies of single interface wurtzite/zincblende heterostructured InP nanowires. Applied Physics Letters, 2022, 120, .	3.3	2
2	Zero-Dimensional Hybrid Organic-Inorganic Indium Bromide with Blue Emission. Inorganic Chemistry, 2021, 60, 1045-1054.	4.0	48
3	Are Shockley-Read-Hall and ABC models valid for lead halide perovskites?. Nature Communications, 2021, 12, 3329.	12.8	41
4	In Situ Optical Studies on Morphology Formation in Organic Photovoltaic Blends. Small Methods, 2021, 5, e2100585.	8.6	21
5	Rb ₂ CuX ₃ (X = Cl, Br): 1D All-Inorganic Copper Halides with Ultrabright Blue Emission and Up-Conversion Photoluminescence. Advanced Optical Materials, 2020, 8, 1901338.	7.3	86
6	Additive-assisted synthesis and optoelectronic properties of (CH ₃ NH ₃) ₄ BiI ₂ . Inorganic Chemistry Frontiers, 2020, 7, 1564-1572.	6.0	11
7	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
8	Frontispiece: (CH ₃ NH ₃) ₄ AuX ₄ ·nH ₂ O (X=Cl, Br) and (CH ₃ NH ₃) ₄ AuCl ₄ : Low-Band Gap Lead-Free Layered Gold Halide Perovskite Materials. Chemistry - A European Journal, 2019, 25, .	3.3	0
9	Bright Luminescence from Nontoxic CsCu ₂ X ₃ (X = Cl, Br, I). , 2019, 1, 459-465.		148
10	Evaporative electron cooling in asymmetric double barrier semiconductor heterostructures. Nature Communications, 2019, 10, 4504.	12.8	17
11	Interplay between spin-crossover and luminescence in a multifunctional single crystal iron(II) complex: towards a new generation of molecular sensors. Chemical Science, 2019, 10, 6791-6798.	7.4	76
12	(CH ₃ NH ₃) ₄ AuX ₄ ·nH ₂ O (X=Cl, Br) and (CH ₃ NH ₃) ₄ AuCl ₄ : Low-Band Gap Lead-Free Layered Gold Halide Perovskite Materials. Chemistry - A European Journal, 2019, 25, 9875-9884.	3.3	15
13	Near-Unity Photoluminescence Quantum Yield in Blue-Emitting Cs ₃ Cu ₂ Br ₅ I (0% x % 5). ACS Applied Electronic Materials, 2019, 1, 269-274.	4.3	184
14	Hybrid Organic-Inorganic Halides (C ₅ H ₇ N ₂) ₂ MBr ₄ (M = Hg, Zn) with High Color Rendering Index and High-Efficiency White-Light Emission. Chemistry of Materials, 2019, 31, 2983-2991.	6.7	143
15	Rb ₄ Ag ₂ BiBr ₉ : A Lead-Free Visible Light Absorbing Halide Semiconductor with Improved Stability. Inorganic Chemistry, 2019, 58, 4446-4455.	4.0	35
16	Broadband Emission in a New Two-Dimensional Cd-Based Hybrid Perovskite. ACS Photonics, 2018, 5, 1599-1611.	6.6	96
17	Thermionic cooling devices based on resonant-tunneling AlGaAs/GaAs heterostructure. Journal of Physics Condensed Matter, 2018, 30, 064005.	1.8	10
18	Broadband Emission in Hybrid Organic-Inorganic Halides of Group 12 Metals. ACS Omega, 2018, 3, 18791-18802.	3.5	70

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19	Yellowish White-Light Emission Involving Resonant Energy Transfer in a New One-Dimensional Hybrid Material: (C ₉ H ₁₀ N ₂)PbCl ₄ . Journal of Physical Chemistry C, 2018, 122, 24253-24261.	3.1	60
20	Control of the white-light emission in the mixed two-dimensional hybrid perovskites (C ₆ H ₁₁ NH ₃) ₂ [PbBr ₄] ^x Cl _x . Journal of Alloys and Compounds, 2017, 699, 1122-1133.	5.5	47
21	Rapid and robust spatiotemporal dynamics of the first-order phase transition in crystals of the organic-inorganic perovskite (C ₁₂ H ₂₅ NH ₃) ₂ PbI ₄ . Scientific Reports, 2015, 5, 16634.	3.3	28
22	Structural phase transition causing anomalous photoluminescence behavior in perovskite (C ₆ H ₁₁ NH ₃) ₂ [PbI ₄]. Journal of Chemical Physics, 2015, 143, 224201.	3.0	43
23	Structural characterization, vibrational, optical properties and DFT investigation of a new luminescent organic-inorganic material: (C ₆ H ₁₄ N) ₃ Bi ₂ I ₉ . Journal of Luminescence, 2015, 161, 214-220.	3.1	75
24	Evidence and detailed study of a second-order phase transition in the (C ₆ H ₁₁ NH ₃) ₂ [PbI ₄] organic-inorganic hybrid material. Journal of Applied Physics, 2015, 117, 115503.	2.5	17
25	Optical Investigation of Broadband White-Light Emission in Self-Assembled Organic-Inorganic Perovskite (C ₆ H ₁₁ NH ₃) ₂ PbBr ₄ . Journal of Physical Chemistry C, 2015, 119, 23638-23647.	3.1	279
26	Bis[tris(propane-1,3-diamine- ²⁺)nickel(II)] diaquabis(propane-1,3-diamine- ²⁺)nickel(II) hexabromide dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, m227-m228.	0.2	5
27	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
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