

Georgian Nedelcu

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

7,423
citations

516561

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docs citations

23
times ranked

7946
citing authors

#	ARTICLE	IF	CITATIONS
1	Size Segregation and Atomic Structural Coherence in Spontaneous Assemblies of Colloidal Cesium Lead Halide Nanocrystals. <i>Chemistry of Materials</i> , 2022, 34, 594-608.	3.2	14
2	Structural Dynamics and Tunability for Colloidal Tin Halide Perovskite Nanostructures. <i>Advanced Materials</i> , 2022, 34, e2201353.	11.1	16
3	Crystal Structure, Morphology, and Surface Termination of Cyan-Emissive, Six-Monolayers-Thick CsPbBr ₃ Nanoplatelets from X-ray Total Scattering. <i>ACS Nano</i> , 2019, 13, 14294-14307.	7.3	79
4	Temperature Dependence of the Amplified Spontaneous Emission from CsPbBr ₃ Nanocrystal Thin Films. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5813-5819.	1.5	71
5	Bright triplet excitons in caesium lead halide perovskites. <i>Nature</i> , 2018, 553, 189-193.	13.7	716
6	Full-color tuning in binary polymer:perovskite nanocrystals organic-inorganic hybrid blends. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	13
7	Long Exciton Dephasing Time and Coherent Phonon Coupling in CsPbBr ₂ Cl Perovskite Nanocrystals. <i>Nano Letters</i> , 2018, 18, 7546-7551.	4.5	60
8	Material Dimensionality Effects on Electron Transfer Rates Between CsPbBr ₃ and CdSe Nanoparticles. <i>Nano Letters</i> , 2018, 18, 4771-4776.	4.5	49
9	Localized holes and delocalized electrons in photoexcited inorganic perovskites: Watching each atomic actor by picosecond X-ray absorption spectroscopy. <i>Structural Dynamics</i> , 2017, 4, 044002.	0.9	61
10	High-temperature Photoluminescence of CsPbX ₃ (X = Cl, Br, I) Nanocrystals. <i>Advanced Functional Materials</i> , 2017, 27, 1606750.	7.8	242
11	Energy Transfer between Inorganic Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13310-13315.	1.5	106
12	Magnetic Manipulation of Spontaneous Emission from Inorganic CsPbBr ₃ Perovskites Nanocrystals. <i>Advanced Optical Materials</i> , 2016, 4, 2004-2008.	3.6	14
13	Efficient Blue Electroluminescence Using Quantum-Confined Two-Dimensional Perovskites. <i>ACS Nano</i> , 2016, 10, 9720-9729.	7.3	299
14	Highly Dynamic Ligand Binding and Light Absorption Coefficient of Cesium Lead Bromide Perovskite Nanocrystals. <i>ACS Nano</i> , 2016, 10, 2071-2081.	7.3	1,448
15	Single Cesium Lead Halide Perovskite Nanocrystals at Low Temperature: Fast Single-Photon Emission, Reduced Blinking, and Exciton Fine Structure. <i>ACS Nano</i> , 2016, 10, 2485-2490.	7.3	299
16	Synthesis of Cesium Lead Halide Perovskite Nanocrystals in a Droplet-Based Microfluidic Platform: Fast Parametric Space Mapping. <i>Nano Letters</i> , 2016, 16, 1869-1877.	4.5	425
17	Fast Anion-Exchange in Highly Luminescent Nanocrystals of Cesium Lead Halide Perovskites (CsPbX ₃ , X = Cl, Br, I). <i>Nano Letters</i> , 2015, 15, 5635-5640.	4.5	1,938
18	Low-threshold amplified spontaneous emission and lasing from colloidal nanocrystals of caesium lead halide perovskites. <i>Nature Communications</i> , 2015, 6, 8056.	5.8	1,278

#	ARTICLE	IF	CITATIONS
19	Lead Halide Perovskites and Other Metal Halide Complexes As Inorganic Capping Ligands for Colloidal Nanocrystals. <i>Journal of the American Chemical Society</i> , 2014, 136, 6550-6553.	6.6	241
20	Bright Triplet Emission from Lead Halide Perovskite Nanocrystals. , 0, , .		0
21	Bright Triplet Emission from Lead Halide Perovskite Nanocrystals. , 0, , .		0
22	Hot Carrier Cooling Dynamics in Lead Halide Perovskite Nanomaterials. , 0, , .		0