

Georgian Nedelcu

List of Publications by Citations

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19
papers

5,714
citations

16
h-index

23
g-index

23
ext. papers

6,600
ext. citations

13.8
avg, IF

5.72
L-index

#	Paper	IF	Citations
19	Fast Anion-Exchange in Highly Luminescent Nanocrystals of Cesium Lead Halide Perovskites (CsPbX ₃ , X = Cl, Br, I). <i>Nano Letters</i> , 2015 , 15, 5635-40	11.5	1515
18	Low-threshold amplified spontaneous emission and lasing from colloidal nanocrystals of caesium lead halide perovskites. <i>Nature Communications</i> , 2015 , 6, 8056	17.4	1058
17	Highly Dynamic Ligand Binding and Light Absorption Coefficient of Cesium Lead Bromide Perovskite Nanocrystals. <i>ACS Nano</i> , 2016 , 10, 2071-81	16.7	1033
16	Bright triplet excitons in caesium lead halide perovskites. <i>Nature</i> , 2018 , 553, 189-193	50.4	517
15	Synthesis of Cesium Lead Halide Perovskite Nanocrystals in a Droplet-Based Microfluidic Platform: Fast Parametric Space Mapping. <i>Nano Letters</i> , 2016 , 16, 1869-77	11.5	349
14	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, 2485-90	16.7	239
13	Efficient Blue Electroluminescence Using Quantum-Confined Two-Dimensional Perovskites. <i>ACS Nano</i> , 2016 , 10, 9720-9729	16.7	239
12	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, 6550-3	16.4	215
11	High-Temperature Photoluminescence of CsPbX ₃ (X = Cl, Br, I) Nanocrystals. <i>Advanced Functional Materials</i> , 2017 , 27, 1606750	15.6	173
10	Energy Transfer between Inorganic Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 13310-13315	3.8	86
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	3.2	52
8	Temperature Dependence of the Amplified Spontaneous Emission from CsPbBr ₃ Nanocrystal Thin Films. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5813-5819	3.8	51
7	Crystal Structure, Morphology, and Surface Termination of Cyan-Emissive, Six-Monolayers-Thick CsPbBr Nanoplatelets from X-ray Total Scattering. <i>ACS Nano</i> , 2019 , 13, 14294-14307	16.7	47
6	Material Dimensionality Effects on Electron Transfer Rates Between CsPbBr and CdSe Nanoparticles. <i>Nano Letters</i> , 2018 , 18, 4771-4776	11.5	36
5	Long Exciton Dephasing Time and Coherent Phonon Coupling in CsPbBrCl Perovskite Nanocrystals. <i>Nano Letters</i> , 2018 , 18, 7546-7551	11.5	34
4	Full-color tuning in binary polymer:perovskite nanocrystals organic-inorganic hybrid blends. <i>Applied Physics Letters</i> , 2018 , 112, 171904	3.4	10
3	Magnetic Manipulation of Spontaneous Emission from Inorganic CsPbBr ₃ Perovskites Nanocrystals. <i>Advanced Optical Materials</i> , 2016 , 4, 2004-2008	8.1	9

2	Size Segregation and Atomic Structural Coherence in Spontaneous Assemblies of Colloidal Cesium Lead Halide Nanocrystals. <i>Chemistry of Materials</i> , 2022 , 34, 594-608	9.6	3
1	Structural Dynamics and Tunability for Colloidal Tin Halide Perovskite Nanostructures.. <i>Advanced Materials</i> , 2022 , e2201353	24	2