Georgian Nedelcu

List of Publications by Year in Descending Order

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	Size Segregation and Atomic Structural Coherence in Spontaneous Assemblies of Colloidal Cesium Lead Halide Nanocrystals. *Chemistry of Materials*, **2022**, 34, 594-608	9.6	3
18	Structural Dynamics and Tunability for Colloidal Tin Halide Perovskite Nanostructures.. *Advanced Materials*, **2022**, e2201353	24	2
17	Crystal Structure, Morphology, and Surface Termination of Cyan-Emissive, Six-Monolayers-Thick CsPbBr Nanoplatelets from X-ray Total Scattering. *ACS Nano*, **2019**, 13, 14294-14307	16.7	47
16	Temperature Dependence of the Amplified Spontaneous Emission from CsPbBr3 Nanocrystal Thin Films. *Journal of Physical Chemistry C*, **2018**, 122, 5813-5819	3.8	51
15	Bright triplet excitons in caesium lead halide perovskites. *Nature*, **2018**, 553, 189-193	50.4	517
14	Full-color tuning in binary polymer:perovskite nanocrystals organic-inorganic hybrid blends. *Applied Physics Letters*, **2018**, 112, 171904	3.4	10
13	Long Exciton Dephasing Time and Coherent Phonon Coupling in CsPbBrCl Perovskite Nanocrystals. *Nano Letters*, **2018**, 18, 7546-7551	11.5	34
12	Material Dimensionality Effects on Electron Transfer Rates Between CsPbBr and CdSe Nanoparticles. *Nano Letters*, **2018**, 18, 4771-4776	11.5	36
11	Localized holes and delocalized electrons in photoexcited inorganic perovskites: Watching each atomic actor by picosecond X-ray absorption spectroscopy. *Structural Dynamics*, **2017**, 4, 044002	3.2	52
10	High-Temperature Photoluminescence of CsPbX3 (X = Cl, Br, I) Nanocrystals. *Advanced Functional Materials*, **2017**, 27, 1606750	15.6	173
9	Highly Dynamic Ligand Binding and Light Absorption Coefficient of Cesium Lead Bromide Perovskite Nanocrystals. *ACS Nano*, **2016**, 10, 2071-81	16.7	1033
8	Single Cesium Lead Halide Perovskite Nanocrystals at Low Temperature: Fast Single-Photon Emission, Reduced Blinking, and Exciton Fine Structure. *ACS Nano*, **2016**, 10, 2485-90	16.7	239
7	Synthesis of Cesium Lead Halide Perovskite Nanocrystals in a Droplet-Based Microfluidic Platform: Fast Parametric Space Mapping. *Nano Letters*, **2016**, 16, 1869-77	11.5	349
6	Energy Transfer between Inorganic Perovskite Nanocrystals. *Journal of Physical Chemistry C*, **2016**, 120, 13310-13315	3.8	86
5	Magnetic Manipulation of Spontaneous Emission from Inorganic CsPbBr3 Perovskites Nanocrystals. *Advanced Optical Materials*, **2016**, 4, 2004-2008	8.1	9
4	Efficient Blue Electroluminescence Using Quantum-Confined Two-Dimensional Perovskites. *ACS Nano*, **2016**, 10, 9720-9729	16.7	239
3	Fast Anion-Exchange in Highly Luminescent Nanocrystals of Cesium Lead Halide Perovskites (CsPbX3, X = Cl, Br, I). *Nano Letters*, **2015**, 15, 5635-40	11.5	1515

2	Low-threshold amplified spontaneous emission and lasing from colloidal nanocrystals of caesium lead halide perovskites. *Nature Communications*, **2015**, 6, 8056	17.4	1058
1	Lead halide perovskites and other metal halide complexes as inorganic capping ligands for colloidal nanocrystals. *Journal of the American Chemical Society*, **2014**, 136, 6550-3	16.4	215