Michael C De Siena

List of Publications by Year
in descending order

16 papers	1,019 citations	933447 10 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	1778 citing authors

#	Article	IF	Citations
1	Photoluminescence spectroscopy of excitonic emission in CsPbCl3 perovskite single crystals. Journal of Luminescence, 2022, 243, 118661.	3.1	11
2	Sensitivity and Detection Limit of Spectroscopicâ€Grade Perovskite CsPbBr₃ Crystal for Hard Xâ€Ray Detection. Advanced Functional Materials, 2022, 32, .	14.9	32
3	Thick-Layer Lead Iodide Perovskites with Bifunctional Organic Spacers Allylammonium and Iodopropylammonium Exhibiting Trap-State Emission. Journal of the American Chemical Society, 2022, 144, 6390-6409.	13.7	13
4	Defect levels in CsPbCl3 single crystals determined by thermally stimulated current spectroscopy. Journal of Applied Physics, 2022, 132, .	2.5	6
5	Hydrothermal Synthesis of Yb³⁺: LuLiF₄ Microcrystals and Laser Refrigeration of Yb³⁺: LuLiF₄/Siliconâ€Nitride Composite Nanostructures. Laser and Photonics Reviews, 2021, 15, 2100019.	8.7	12
6	The impact of 2H Âà†'Â4I emission from Er3+ ions on ratiometric optical temperature sensing with Yb3+/Er3+ co-doped upconversion materials. Journal of Luminescence, 2021, 236, 118006.	3.1	18
7	Excitons in CsPbBr₃ Halide Perovskite. Journal of Physical Chemistry Letters, 2021, 12, 9301-9307.	4.6	8
8	Using Redox Titrations to Probe the Role of Trivalent Impurity Ions in the Ferromagnetism of Colloidal EuS Nanocrystals. Chemistry of Materials, 2020, 32, 8633-8640.	6.7	0
9	Two-Dimensional van der Waals Nanoplatelets with Robust Ferromagnetism. Nano Letters, 2020, 20, 2100-2106.	9.1	19
10	Giant band splittings in EuS and EuSe magnetic semiconductor nanocrystals. Chemical Communications, 2020, 56, 5843-5846.	4.1	5
11	Spinodal Decomposition During Anion Exchange in Colloidal Mn²⁺-Doped CsPbX₃ (X = Cl, Br) Perovskite Nanocrystals. Chemistry of Materials, 2019, 31, 7711-7722.	6.7	36
12	Colloidal Nanocrystals of Lead-Free Double-Perovskite (Elpasolite) Semiconductors: Synthesis and Anion Exchange To Access New Materials. Nano Letters, 2018, 18, 1118-1123.	9.1	394
13	Anion Exchange in Cesium Lead Halide Perovskite Nanocrystals and Thin Films Using Trimethylsilyl Halide Reagents. Chemistry of Materials, 2018, 30, 4887-4891.	6.7	103
14	Photoluminescence Temperature Dependence, Dynamics, and Quantum Efficiencies in Mn²⁺-Doped CsPbCl₃ Perovskite Nanocrystals with Varied Dopant Concentration. Chemistry of Materials, 2017, 29, 8003-8011.	6.7	274
15	A Selective Cation Exchange Strategy for the Synthesis of Colloidal Yb³⁺-Doped Chalcogenide Nanocrystals with Strong Broadband Visible Absorption and Long-Lived Near-Infrared Emission. Journal of the American Chemical Society, 2017, 139, 11814-11824.	13.7	77
16	Strong Dependence of Quantum-Dot Delayed Luminescence on Excitation Pulse Width. Journal of Physical Chemistry Letters, 2017, 8, 3997-4003.	4.6	11