

Michael C De Siena

List of Publications by Year in descending order

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16
papers

1,019
citations

933447

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times ranked

1778
citing authors

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