

Christopher Melnychuk

List of Publications by Year in descending order

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papers

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1478505

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1872680

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185
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicarrier Dynamics in Quantum Dots. <i>Chemical Reviews</i> , 2021, 121, 2325-2372.	47.7	77
2	Auger Suppression in n-Type HgSe Colloidal Quantum Dots. <i>ACS Nano</i> , 2019, 13, 10512-10519.	14.6	38
3	Slow Auger Relaxation in HgTe Colloidal Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2208-2211.	4.6	32
4	Direct Imprinting of Quasi-3D Nanophotonic Structures into Colloidal Quantum Dot Devices. <i>Advanced Materials</i> , 2020, 32, e1906590.	21.0	27
5	Toward Bright Mid-Infrared Emitters: Thick-Shell n-Type HgSe/CdS Nanocrystals. <i>Journal of the American Chemical Society</i> , 2021, 143, 19567-19575.	13.7	15
6	Thermodynamic Limits to HgTe Quantum Dot Infrared Detector Performance. <i>Journal of Electronic Materials</i> , 2022, 51, 1428-1435.	2.2	7
7	Carrier dynamics in small-gap mercury chalcogenide colloidal quantum dots. , 2019, , .		0