Photophysical Action Spectra of Emission from Semicon Violations to the Vavilov Rule Behavior from Hot Carrie

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Citation Report

#	Article	IF	Citations
1	Ultrafast Dynamics and Ultrasensitive Single-Particle Intermittency in Small-Sized Toxic Metal Free InP-Based Core/Alloy-Shell/Shell Quantum Dots: Excitation Wavelength Dependency Toward Variation of PLQY. Journal of Physical Chemistry C, 2019, 123, 28502-28510.	1.5	18
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4	The Elusive Nature of Carbon Nanodot Fluorescence: An Unconventional Perspective. Journal of Physical Chemistry C, 2020, 124, 22314-22320.	1.5	31
5	Interplay of Multiexciton Relaxation and Carrier Trapping in Photoluminescent CdS Quantum Dots Prepared in Aqueous Medium. Journal of Physical Chemistry C, 2020, 124, 28313-28322.	1.5	20
6	Hot carriers perspective on the nature of traps in perovskites. Nature Communications, 2020, 11, 2712.	5.8	65
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8	Investigating the electronic structure of confined multiexcitons with nonlinear spectroscopies. Journal of Chemical Physics, 2020, 152, 104710.	1.2	29
9	Excitation Energy Dependence of Photoluminescence Quantum Yields in Semiconductor Nanomaterials with Varying Dimensionalities. Journal of Physical Chemistry Letters, 2020, 11, 3249-3256.	2.1	14
10	Non-thermal pulsed plasma activated water: environmentally friendly way for efficient surface modification of semiconductor nanoparticles. Green Chemistry, 2021, 23, 898-911.	4.6	13
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13	The Temperature Dependence of the Photoluminescence of CsPbBr₃ Nanocrystals Reveals Phase Transitions and Homogeneous Linewidths. Journal of Physical Chemistry C, 2021, 125, 27504-27508.	1.5	14
14	Excitation-Energy-Dependent Photoluminescence Quantum Yield is Inherent to Optically Robust Core/Alloy-Shell Quantum Dots in a Vast Energy Landscape. Journal of Physical Chemistry Letters, 2022, 13, 2404-2417.	2.1	10
15	Gain roll-off in cadmium selenide colloidal quantum wells under intense optical excitation. Scientific Reports, 2022, 12, 8016.	1.6	7
16	Đ¡Ñ‚Đ°Ñ†Ñ–Đ¾Đ½Đ°Ñ€Đ½Đ° ÑĐ¿ĐµĐºÑ‚Ñ€Đ¾ÑĐºĐ¾Đ¿Ñ–Ñ•Ñ‚Đ° ÑÑƒĐ±Đ½Đ°Đ½Đ¾ÑĐµĐºÑƒĐ½Đ´Đ½Đ¾Ñ— Ñ€ĐµĐ·Đ¾Đ½		
17	Observing strongly confined multiexcitons in bulk-like CsPbBr3 nanocrystals. Journal of Chemical Physics, 2023, 158, .	1.2	7
18	Arrays of size-dispersed ZnSe quantum dots as artificial antennas: Role of quasi-coherent regime and in-gap states of excitons for enhanced light harvesting and energy transfer. Current Applied Physics, 2023, 48, 114-122.	1.1	2

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19	Sequential Carrier Transfer Can Accelerate Triplet Energy Transfer from Functionalized CdSe Nanocrystals. Journal of Physical Chemistry Letters, 2023, 14, 1899-1909.	2.1	2