

Chun Hao Lin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Control of Whispering Gallery Modes and PT-Symmetry Breaking in Colloidal Quantum Dot Microdisk Lasers with Engineered Notches. <i>Nano Letters</i> , 2019, 19, 6049-6057.	4.5	13
2	Enabling Tailorable Optical Properties and Markedly Enhanced Stability of Perovskite Quantum Dots by Permanently Ligating with Polymer Hairs. <i>Advanced Materials</i> , 2019, 31, e1901602.	11.1	119
3	Composite Structures with Emissive Quantum Dots for Light Enhancement. <i>Advanced Optical Materials</i> , 2019, 7, 1801072.	3.6	30
4	Robust lasing modes in coupled colloidal quantum dot microdisk pairs using a non-Hermitian exceptional point. <i>Nature Communications</i> , 2019, 10, 561.	5.8	32
5	Unconventional route to dual-shelled organolead halide perovskite nanocrystals with controlled dimensions, surface chemistry, and stabilities. <i>Science Advances</i> , 2019, 5, eaax4424.	4.7	116
6	All-Inorganic Perovskite Nanocrystals with a Stellar Set of Stabilities and Their Use in White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37267-37276.	4.0	82
7	Large-Area Lasing and Multicolor Perovskite Quantum Dot Patterns. <i>Advanced Optical Materials</i> , 2018, 6, 1800474.	3.6	95
8	Spectral and directional properties of elliptical quantum-dot microlasers. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	0.8	2
9	Robust, Uniform, and Highly Emissive Quantum Dot-Polymer Films and Patterns Using Thiol Chemistry. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17435-17448.	4.0	32
10	Large-Scale Robust Quantum Dot Microdisk Lasers with Controlled High Quality Cavity Modes. <i>Advanced Optical Materials</i> , 2017, 5, 1700011.	3.6	21
11	Programmed Emission Transformations: Negative-to-Positive Patterning Using the Decay-to-Recovery Behavior of Quantum Dots. <i>Advanced Optical Materials</i> , 2017, 5, 1600509.	3.6	8
12	Crafting Core/Graded Shell-Shell Quantum Dots with Suppressed Reabsorption and Tunable Stokes Shift as High Optical Gain Materials. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5071-5075.	7.2	42
13	Large-Area Multicolor Emissive Patterns of Quantum Dot-Polymer Films via Targeted Recovery of Emission Signature. <i>Advanced Optical Materials</i> , 2016, 4, 608-619.	3.6	27
14	Enhancement of optical gain characteristics of quantum dot films by optimization of organic ligands. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10069-10081.	2.7	19
15	Crafting Core/Graded Shell-Shell Quantum Dots with Suppressed Reabsorption and Tunable Stokes Shift as High Optical Gain Materials. <i>Angewandte Chemie</i> , 2016, 128, 5155-5159.	1.6	8
16	Core/Alloyed-Shell Quantum Dot Robust Solid Films with High Optical Gains. <i>ACS Photonics</i> , 2016, 3, 647-658.	3.2	45