

Shengtao Yu

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,481
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

2604
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bioinspired, Reusable, Paper-Based System for High-Performance Large-Scale Evaporation. <i>Advanced Materials</i> , 2015, 27, 2768-2774.	21.0	698
2	The impact of surface chemistry on the performance of localized solar-driven evaporation system. <i>Scientific Reports</i> , 2015, 5, 13600.	3.3	140
3	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.	21.0	119
4	Self-Assembly of Emissive Nanocellulose/Quantum Dot Nanostructures for Chiral Fluorescent Materials. <i>ACS Nano</i> , 2019, 13, 9074-9081.	14.6	115
5	Large-Area Lasing and Multicolor Perovskite Quantum Dot Patterns. <i>Advanced Optical Materials</i> , 2018, 6, 1800474.	7.3	95
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.	8.0	82
7	Enhancing Localized Evaporation through Separated Light Absorbing Centers and Scattering Centers. <i>Scientific Reports</i> , 2015, 5, 17276.	3.3	63
8	Vapor-Enabled Propulsion for Plasmonic Photothermal Motor at the Liquid/Air Interface. <i>Journal of the American Chemical Society</i> , 2017, 139, 12362-12365.	13.7	43
9	Integration of Optical Surface Structures with Chiral Nanocellulose for Enhanced Chiroptical Properties. <i>Advanced Materials</i> , 2020, 32, e1905600.	21.0	40
10	Composite Structures with Emissive Quantum Dots for Light Enhancement. <i>Advanced Optical Materials</i> , 2019, 7, 1801072.	7.3	30
11	Co-assembling Polysaccharide Nanocrystals and Nanofibers for Robust Chiral Iridescent Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35345-35353.	8.0	17
12	Enhancing Plasmonic-Photonic Hybrid Cavity Modes by Coupling of Individual Plasmonic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24255-24262.	3.1	14
13	Enhanced Electrochemical Dark-Field Scattering Modulation on a Single Hybrid Core-Shell Nanostructure. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28343-28352.	3.1	10
14	Heterogeneous forward and backward scattering modulation by polymer-infused plasmonic nanohole arrays. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3090-3099.	5.5	8
15	Coupled Whispering Gallery Mode Resonators via Template-Assisted Assembly of Photoluminescent Microspheres. <i>Advanced Functional Materials</i> , 2019, 29, 1902520.	14.9	5
16	Light-Driven Nanodroplet Generation Using Porous Membranes. <i>Nano Letters</i> , 2020, 20, 7874-7881.	9.1	2