

Elijah Shirman

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,383
citations

623734

14
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

2469
citing authors

#	ARTICLE	IF	CITATIONS
1	A colloidoscope of colloid-based porous materials and their uses. <i>Chemical Society Reviews</i> , 2016, 45, 281-322.	38.1	256
2	A recyclable supramolecular membrane for size-selective separation of nanoparticles. <i>Nature Nanotechnology</i> , 2011, 6, 141-146.	31.5	212
3	Supramolecular Gel Based on a Perylene Diimide Dye: Multiple Stimuli Responsiveness, Robustness, and Photofunction. <i>Journal of the American Chemical Society</i> , 2009, 131, 14365-14373.	13.7	205
4	Control over Self-Assembly through Reversible Charging of the Aromatic Building Blocks in Photofunctional Supramolecular Fibers. <i>Journal of the American Chemical Society</i> , 2008, 130, 14966-14967.	13.7	105
5	Stable Aromatic Dianion in Water. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8855-8858.	2.6	105
6	Economical Design in Noncovalent Nanoscale Synthesis: Diverse Photofunctional Nanostructures Based on a Single Covalent Building Block. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 926-930.	13.8	84
7	Supramolecular Polymers in Aqueous Medium: Rational Design Based on Directional Hydrophobic Interactions. <i>Journal of the American Chemical Society</i> , 2011, 133, 16201-16211.	13.7	84
8	Programming function into mechanical forms by directed assembly of silk bulk materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 451-456.	7.1	78
9	Self-Assembled Organic Nanocrystals with Strong Nonlinear Optical Response. <i>Nano Letters</i> , 2015, 15, 7232-7237.	9.1	59
10	The Optical Janus Effect: Asymmetric Structural Color Reflection Materials. <i>Advanced Materials</i> , 2017, 29, 1606876.	21.0	45
11	Nanocrystalline Precursors for the Coassembly of Crack-Free Metal Oxide Inverse Opals. <i>Advanced Materials</i> , 2018, 30, e1706329.	21.0	41
12	Modular Design of Advanced Catalytic Materials Using Hybrid Organic-Inorganic Raspberry Particles. <i>Advanced Functional Materials</i> , 2018, 28, 1704559.	14.9	31
13	New Architectures for Designed Catalysts: Selective Oxidation using AgAu Nanoparticles on Colloid-Templated Silica. <i>Chemistry - A European Journal</i> , 2018, 24, 1833-1837.	3.3	29
14	Raspberry colloid-templated approach for the synthesis of palladium-based oxidation catalysts with enhanced hydrothermal stability and low-temperature activity. <i>Catalysis Today</i> , 2021, 360, 241-251.	4.4	13
15	Photofunctional Self-Assembled Nanostructures Formed by Perylene Diimide-Gold Nanoparticle Hybrids. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14389-14396.	2.6	12
16	New Architectures for Designed Catalysts: Selective Oxidation using AgAu Nanoparticles on Colloid-Templated Silica. <i>Chemistry - A European Journal</i> , 2018, 24, 1743-1743.	3.3	0