

Alkiviathes Meldrum

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

311
citations

1040056

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h-index

888059

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22
all docs

22
docs citations

22
times ranked

564
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailorable Indirect to Direct Band-Gap Double Perovskites with Bright White-Light Emission: Decoding Chemical Structure Using Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2020, 142, 10780-10793.	13.7	58
2	Consistently High V_{oc} Values in p-i-n Type Perovskite Solar Cells Using Ni ³⁺ -Doped NiO Nanomesh as the Hole Transporting Layer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11467-11478.	8.0	48
3	An Ultrasensitive Fluorescent Paper-Based CO ₂ Sensor. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20507-20513.	8.0	44
4	Ratiometric Detection of Nerve Agents by Coupling Complementary Properties of Silicon-Based Quantum Dots and Green Fluorescent Protein. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33478-33488.	8.0	28
5	A Tale of Seemingly "Identical" Silicon Quantum Dot Families: Structural Insight into Silicon Quantum Dot Photoluminescence. <i>Chemistry of Materials</i> , 2020, 32, 6838-6846.	6.7	22
6	Ultrabright Fluorescent and Lasing Microspheres from a Conjugated Polymer. <i>Advanced Functional Materials</i> , 2018, 28, 1802759.	14.9	20
7	Nanophotonic enhancement and improved electron extraction in perovskite solar cells using near-horizontally aligned TiO ₂ nanorods. <i>Journal of Power Sources</i> , 2019, 417, 176-187.	7.8	17
8	Metal-Organic Framework with Color-Switching and Strongly Polarized Emission. <i>Chemistry of Materials</i> , 2019, 31, 5816-5823.	6.7	16
9	Reappraising the Luminescence Lifetime Distributions in Silicon Nanocrystals. <i>Nanoscale Research Letters</i> , 2018, 13, 383.	5.7	14
10	Multilayer route to iron nanoparticle formation in an insulating matrix. <i>Journal of Applied Physics</i> , 2007, 101, 034314.	2.5	8
11	Silicon Quantum Dot "Polymer Fabry" Photonic Resonators with Narrowed and Tunable Emissions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27149-27158.	8.0	8
12	A Nanometric Probe of the Local Proton Concentration in Microtubule-Based Biophysical Systems. <i>Nano Letters</i> , 2022, 22, 517-523.	9.1	7
13	Wide-Gamut Blended Conjugated Polymer Microspheres. <i>Advanced Optical Materials</i> , 2021, 9, 2101788.	7.3	6
14	Ultrasensitive Picomolar Detection of Aqueous Acids in Microscale Fluorescent Droplets. <i>ACS Sensors</i> , 2022, 7, 245-252.	7.8	6
15	Controlled Growth of Silicon Oxide Nanowires from a Patterned Reagent. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1865-1867.	3.1	5
16	Two-Photon Fluorescence in Red and Violet Conjugated Polymer Microspheres. <i>Inorganics</i> , 2022, 10, 101.	2.7	3
17	Structural and Optical Properties of Gold In MgO: Effects of Shape And The Interface. <i>Materials Research Society Symposia Proceedings</i> , 2001, 635, C1.5.1.	0.1	1
18	Optical Response of Gold Nanoparticles in Dielectric Materials. <i>Materials Research Society Symposia Proceedings</i> , 2001, 635, C4.40.1.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Sensing using a fluorescent product generated from Cu ²⁺ assisted L-Ascorbic acid oxidation. Nano Select, 2022, 3, 723-732.	3.7	0