

Katherine C Elbert

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1925690/publications.pdf>

Version: 2024-02-01

17
papers

1,697
citations

933447

10
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

3521
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-5 nm Anisotropic Pattern Transfer via Colloidal Lithography of a Self-Assembled GdF ₃ Nanocrystal Monolayer. <i>Nano Letters</i> , 2022, 22, 1992-2000.	9.1	5
2	Evaporation-Driven Coassembly of Hierarchical, Multicomponent Networks. <i>ACS Nano</i> , 2022, 16, 4508-4516.	14.6	6
3	Anisotropic nanocrystal shape and ligand design for co-assembly. <i>Science Advances</i> , 2021, 7, .	10.3	19
4	Gaussian processes for autonomous data acquisition at large-scale synchrotron and neutron facilities. <i>Nature Reviews Physics</i> , 2021, 3, 685-697.	26.6	44
5	Distinguishing Electron and Hole Dynamics in Functionalized CdSe/CdS Core/Shell Quantum Dots Using Complementary Ultrafast Spectroscopies and Kinetic Modeling. <i>Journal of Physical Chemistry C</i> , 2021, 125, 31-41.	3.1	10
6	Electron accepting naphthalene bisimide ligand architectures for modulation of π - π stacking in nanocrystal hybrid materials. <i>Nanoscale Horizons</i> , 2020, 5, 1509-1514.	8.0	3
7	Nanocrystal Core Size and Shape Substitutional Doping and Underlying Crystalline Order in Nanocrystal Superlattices. <i>ACS Nano</i> , 2019, 13, 5712-5719.	14.6	30
8	Experiments and Simulations Probing Local Domain Bulge and String Assembly of Aligned Nanoplates in a Lamellar Diblock Copolymer. <i>Macromolecules</i> , 2019, 52, 8989-8999.	4.8	14
9	Dendrimer Ligand Directed Nanoplate Assembly. <i>ACS Nano</i> , 2019, 13, 14241-14251.	14.6	22
10	Improved Chemical and Colloidal Stability of Gold Nanoparticles through Dendron Capping. <i>Langmuir</i> , 2018, 34, 13333-13338.	3.5	21
11	A metallo-biopolymer conjugate of elastin-like polypeptide: photoluminescence enhancement in the coacervate microenvironment. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 1153-1157.	2.6	3
12	A semi-combinatorial approach for investigating polycatenar ligand-controlled synthesis of rare-earth fluoride nanocrystals. <i>Nanoscale</i> , 2017, 9, 8107-8112.	5.6	5
13	Design, Self-Assembly, and Switchable Wettability in Hydrophobic, Hydrophilic, and Janus Dendritic Ligand-Gold Nanoparticle Hybrid Materials. <i>Chemistry of Materials</i> , 2017, 29, 8737-8746.	6.7	40
14	Machine-learning-assisted materials discovery using failed experiments. <i>Nature</i> , 2016, 533, 73-76.	27.8	1,027
15	Probing structural adaptability in templated vanadium selenites. <i>Polyhedron</i> , 2016, 114, 184-193.	2.2	8
16	Elucidating Hydrogen Oxidation/Evolution Kinetics in Base and Acid by Enhanced Activities at the Optimized Pt Shell Thickness on the Ru Core. <i>ACS Catalysis</i> , 2015, 5, 6764-6772.	11.2	197
17	Helical Ribbons for Molecular Electronics. <i>Journal of the American Chemical Society</i> , 2014, 136, 8122-8130.	13.7	243