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	1,697	933447 10	888059 17
papers	citations	h-index	g-index

17	17	17	3521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Machine-learning-assisted materials discovery using failed experiments. Nature, 2016, 533, 73-76.	27.8	1,027
2	Helical Ribbons for Molecular Electronics. Journal of the American Chemical Society, 2014, 136, 8122-8130.	13.7	243
3	Elucidating Hydrogen Oxidation/Evolution Kinetics in Base and Acid by Enhanced Activities at the Optimized Pt Shell Thickness on the Ru Core. ACS Catalysis, 2015, 5, 6764-6772.	11.2	197
4	Gaussian processes for autonomous data acquisition at large-scale synchrotron and neutron facilities. Nature Reviews Physics, 2021, 3, 685-697.	26.6	44
5	Design, Self-Assembly, and Switchable Wettability in Hydrophobic, Hydrophilic, and Janus Dendritic Ligandâ€“Gold Nanoparticle Hybrid Materials. Chemistry of Materials, 2017, 29, 8737-8746.	6.7	40
6	Nanocrystal Core Size and Shape Substitutional Doping and Underlying Crystalline Order in Nanocrystal Superlattices. ACS Nano, 2019, 13, 5712-5719.	14.6	30
7	Dendrimer Ligand Directed Nanoplate Assembly. ACS Nano, 2019, 13, 14241-14251.	14.6	22
8	Improved Chemical and Colloidal Stability of Gold Nanoparticles through Dendron Capping. Langmuir, 2018, 34, 13333-13338.	3.5	21
9	Anisotropic nanocrystal shape and ligand design for co-assembly. Science Advances, 2021, 7, .	10.3	19
10	Experiments and Simulations Probing Local Domain Bulge and String Assembly of Aligned Nanoplates in a Lamellar Diblock Copolymer. Macromolecules, 2019, 52, 8989-8999.	4.8	14
11	Distinguishing Electron and Hole Dynamics in Functionalized CdSe/CdS Core/Shell Quantum Dots Using Complementary Ultrafast Spectroscopies and Kinetic Modeling. Journal of Physical Chemistry C, 2021, 125, 31-41.	3.1	10
12	Probing structural adaptability in templated vanadium selenites. Polyhedron, 2016, 114, 184-193.	2.2	8
13	Evaporation-Driven Coassembly of Hierarchical, Multicomponent Networks. ACS Nano, 2022, 16, 4508-4516.	14.6	6
14	A semi-combinatorial approach for investigating polycatenar ligand-controlled synthesis of rare-earth fluoride nanocrystals. Nanoscale, 2017, 9, 8107-8112.	5.6	5
15	Sub-5 nm Anisotropic Pattern Transfer via Colloidal Lithography of a Self-Assembled GdF₃ Nanocrystal Monolayer. Nano Letters, 2022, 22, 1992-2000.	9.1	5
16	A metallo-biopolymer conjugate of elastin-like polypeptide: photoluminescence enhancement in the coacervate microenvironment. Journal of Biological Inorganic Chemistry, 2018, 23, 1153-1157.	2.6	3
17	Electron accepting naphthalene bisimide ligand architectures for modulation of Ï€â€“Ï€ stacking in nanocrystal hybrid materials. Nanoscale Horizons, 2020, 5, 1509-1514.	8.0	3