

Finn Purcell-Milton

List of Publications by Citations

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38
papers

1,249
citations

19
h-index

35
g-index

43
ext. papers

1,548
ext. citations

6.9
avg, IF

4.85
L-index

#	Paper	IF	Citations
38	Application of semiconductor quantum dots in bioimaging and biosensing. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 6701-6727	7.3	178
37	Quantum dots for Luminescent Solar Concentrators. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16687		150
36	Intrinsic Chirality of CdSe/ZnS Quantum Dots and Quantum Rods. <i>Nano Letters</i> , 2015 , 15, 2844-51	11.5	123
35	Colloidal quantum dots for optoelectronics. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13252-13275	13	107
34	The chiral nano-world: chiroptically active quantum nanostructures. <i>Nanoscale Horizons</i> , 2016 , 1, 14-26	10.8	81
33	Induction of Chirality in Two-Dimensional Nanomaterials: Chiral 2D MoS Nanostructures. <i>ACS Nano</i> , 2018 , 12, 954-964	16.7	54
32	Optical Properties, Synthesis, and Potential Applications of Cu-Based Ternary or Quaternary Anisotropic Quantum Dots, Polytypic Nanocrystals, and Core/Shell Heterostructures. <i>Nanomaterials</i> , 2019 , 9,	5.4	53
31	Impact of Shell Thickness on Photoluminescence and Optical Activity in Chiral CdSe/CdS Core/Shell Quantum Dots. <i>ACS Nano</i> , 2017 , 11, 9207-9214	16.7	49
30	Enantioselective cellular uptake of chiral semiconductor nanocrystals. <i>Nanotechnology</i> , 2016 , 27, 075103	3.4	47
29	Molecular Recognition of Biomolecules by Chiral CdSe Quantum Dots. <i>Scientific Reports</i> , 2016 , 6, 24177	4.9	40
28	Large area quantum dot luminescent solar concentrators for use with dye-sensitised solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2671-2680	13	37
27	Hot plasmonic electrons for generation of enhanced photocurrent in gold-TiO ₂ nanocomposites. <i>Nanoscale Research Letters</i> , 2015 , 10, 38	5	35
26	Synthesis of CaCO ₃ nano- and micro-particles by dry ice carbonation. <i>Chemical Communications</i> , 2017 , 53, 6657-6660	5.8	34
25	Recent progress and future prospects in development of advanced materials for nanofiltration. <i>Materials Today Communications</i> , 2020 , 23, 100888	2.5	34
24	Effect of Chiral Ligand Concentration and Binding Mode on Chiroptical Activity of CdSe/CdS Quantum Dots. <i>ACS Nano</i> , 2019 , 13, 13560-13572	16.7	25
23	Chiral recognition of optically active CoFe ₂ O ₄ magnetic nanoparticles by CdSe/CdS quantum dots stabilised with chiral ligands. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1692-1698	7.1	22
22	Enantioselective cytotoxicity of ZnS:Mn quantum dots in A549 cells. <i>Chirality</i> , 2017 , 29, 403-408	2.1	21

21	Excitation Energy Dependence of the Photoluminescence Quantum Yield of Core/Shell CdSe/CdS Quantum Dots and Correlation with Circular Dichroism. <i>Chemistry of Materials</i> , 2018 , 30, 465-471	9.6	21
20	Chiral and Luminescent TiO ₂ Nanoparticles. <i>Advanced Optical Materials</i> , 2017 , 5, 1601000	8.1	20
19	Ligand-induced chirality and optical activity in semiconductor nanocrystals: theory and applications. <i>Nanophotonics</i> , 2020 , 10, 797-824	6.3	15
18	Adaptable surfactant-mediated method for the preparation of anisotropic metal chalcogenide nanomaterials. <i>Scientific Reports</i> , 2018 , 8, 2860	4.9	14
17	Circular Dichroism of Electric-Field-Oriented CdSe/CdS Quantum Dots-in-Rods. <i>ACS Nano</i> , 2016 , 10, 8904-8917	4.7	12
16	Magnetic and Optical Properties of Isolated and Aggregated CoFe ₂ O ₄ Superparamagnetic Nanoparticles Studied by MCD Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11491-11497	3.8	11
15	Strong Enhancement of PbS Quantum Dot NIR Emission Using Plasmonic Semiconductor Nanocrystals in Nanoporous Silicate Matrix. <i>Advanced Optical Materials</i> , 2018 , 6, 1701055	8.1	10
14	Electrophoretic Deposition of Quantum Dots and Characterisation of Composites. <i>Materials</i> , 2019 , 12,	3.5	9
13	Synthesis of centimeter-size free-standing perovskite nanosheets from single-crystal lead bromide for optoelectronic devices. <i>Scientific Reports</i> , 2019 , 9, 11738	4.9	7
12	Circular Dichroism Spectroscopy as a Powerful Tool for Unraveling Assembly of Chiral Nonluminescent Aggregates of Photosensitizer Molecules on Nanoparticle Surfaces. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 8028-8035	2.8	6
11	Near-infrared-emitting CIZSe/CIZS/ZnS colloidal heteronanonail structures. <i>Nanoscale</i> , 2020 , 12, 15295-15303	4.7	6
10	Influence of CdSe and CdSe/CdS nanocrystals on the optical activity of chiral organic molecules. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1759-1766	7.1	6
9	Preparation and Investigation of Quantum-Dot-Loaded Hollow Polymer Microspheres. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 24527-24536	3.8	6
8	Photoinduced Charge Transfer in Hybrid Structures Based on Titanium Dioxide NPs with Multicomponent QD Exciton Luminescence Decay. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 14790-14796	2.8	3
7	Synthesis and Magnetic Properties of L-Alanine Capped CoFe ₂ O ₄ Nanoparticles. <i>ChemistrySelect</i> , 2018 , 3, 4726-4729	1.8	3
6	Investigation of Quantum Dot-Metal Halide Interactions and Their Effects on Optical Properties. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 25075-25084	3.8	3
5	Ligand-Assisted Formation of Graphene/Quantum Dot Monolayers with Improved Morphological and Electrical Properties. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
4	Luminescent calcium carbonate micro Bow ties. <i>Materials Today Communications</i> , 2019 , 20, 100590	2.5	2

3	High-Performance Boron Nitride-Based Membranes for Water Purification.. <i>Nanomaterials</i> , 2022 , 12,	5.4	2
2	Controlled synthesis of luminescent CIZS/ZnS/ZnS core/shell/shell nanoheterostructures. <i>CrystEngComm</i> ,	3.3	1
1	Photoluminescent, "ice-cream cone" like Cu-In-(Zn)-S/ZnS nanoheterostructures.. <i>Scientific Reports</i> , 2022 , 12, 5787	4.9	0