

# Allison M Dennis

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/363693/allison-m-dennis-publications-by-year.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40  
papers

1,757  
citations

17  
h-index

41  
g-index

58  
ext. papers

2,009  
ext. citations

8.7  
avg, IF

4.97  
L-index

#	Paper	IF	Citations
40	Electric field induced macroscopic cellular phase of nanoparticles.. <i>Soft Matter</i> , <b>2022</b> ,	3.6	1
39	Extending the Near-Infrared Emission Range of Indium Phosphide Quantum Dots for Multiplexed Imaging. <i>Nano Letters</i> , <b>2021</b> , 21, 3271-3279	11.5	16
38	Engineering Brightness Matched Indium Phosphide Quantum Dots. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 1964-1975	9.6	7
37	Correlating ZnSe Quantum Dot Absorption with Particle Size and Concentration.. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 7527-7536	9.6	5
36	Controlled Synthesis and Exploration of CuFeS Bornite Nanocrystals.. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 7408-7416	9.6	1
35	Transcription Factor Based Small-Molecule Sensing with a Rapid Cell Phone Enabled Fluorescent Bead Assay. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 21781-21786	3.6	2
34	A progesterone biosensor derived from microbial screening. <i>Nature Communications</i> , <b>2020</b> , 11, 1276	17.4	29
33	Geometrically Tunable Beamed Light Emission from a Quantum-Dot Ensemble Near a Gradient Metasurface. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901951	8.1	4
32	Shell-Free Copper Indium Sulfide Quantum Dots Induce Toxicity and. <i>Nano Letters</i> , <b>2020</b> , 20, 1980-1991	11.5	20
31	A Förster Resonance Energy Transfer-Based Ratiometric Sensor with the Allosteric Transcription Factor TetR. <i>Small</i> , <b>2020</b> , 16, e1907522	11	9
30	Phase Transfer and DNA Functionalization of Quantum Dots Using an Easy-to-Prepare, Low-Cost Zwitterionic Polymer. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2135, 125-139	1.4	0
29	Surface Immobilized Nucleic Acid-Transcription Factor Quantum Dots for Biosensing. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000403	10.1	6
28	Quantum dot to quantum dot Förster resonance energy transfer: engineering materials for visual color change sensing. <i>Analyst</i> , <b>2020</b> , 145, 5754-5767	5	7
27	Transcription Factor Based Small-Molecule Sensing with a Rapid Cell Phone Enabled Fluorescent Bead Assay. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 21597-21602	16.4	9
26	Hydrogel-Embedded Quantum Dot-Transcription Factor Sensors for Quantitative Progesterone Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 43513-43521	9.5	11
25	Encapsulating Quantum Dots in Lipid-PEG Micelles and Subsequent Copper-Free Click Chemistry Bioconjugation. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2135, 95-108	1.4	2
24	A versatile and accessible polymer coating for functionalizable zwitterionic quantum dots with high DNA grafting efficiency. <i>Chemical Communications</i> , <b>2019</b> , 55, 11067-11070	5.8	8

23	Ligands and media impact interactions between engineered nanomaterials and clay minerals. <i>NanoImpact</i> , <b>2019</b> , 13, 112-122	5.6	4
22	Role of Interface Chemistry in Opening New Radiative Pathways in InP/CdSe Giant Quantum Dots with Blinking-Suppressed Two-Color Emission. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1809111	15.6	7
21	In Vivo Biosensing Using Resonance Energy Transfer. <i>Biosensors</i> , <b>2019</b> , 9,	5.9	19
20	Measuring Nanoparticle Polarizability Using Fluorescence Microscopy. <i>Nano Letters</i> , <b>2019</b> , 19, 5762-5768	11.5	13
19	Sensing with photoluminescent semiconductor quantum dots. <i>Methods and Applications in Fluorescence</i> , <b>2019</b> , 7, 012005	3.1	43
18	Precision Additive Nanofabrication: The Role of Liquid Ink Transport in the Direct Placement of Quantum Dot Emitters onto Sub-Micrometer Antennas by Dip-Pen Nanolithography (Small 31/2018). <i>Small</i> , <b>2018</b> , 14, 1870144	11	
17	Bandgap Engineering of Indium Phosphide-Based Core/Shell Heterostructures Through Shell Composition and Thickness. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 567	5	21
16	The Role of Liquid Ink Transport in the Direct Placement of Quantum Dot Emitters onto Sub-Micrometer Antennas by Dip-Pen Nanolithography. <i>Small</i> , <b>2018</b> , 14, e1801503	11	14
15	Shell thickness effects on quantum dot brightness and energy transfer. <i>Nanoscale</i> , <b>2017</b> , 9, 16446-16458	7.7	36
14	Quantifying engineered nanomaterial toxicity: comparison of common cytotoxicity and gene expression measurements. <i>Journal of Nanobiotechnology</i> , <b>2017</b> , 15, 79	9.4	13
13	Emerging Physicochemical Phenomena along with New Opportunities at the Biomolecular-Nanoparticle Interface. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 2139-50	6.4	33
12	Faster Resonance Energy Transfer between Quantum Dot Donors and Quantum Dot Acceptors. <i>Sensors</i> , <b>2015</b> , 15, 13288-325	3.8	175
11	Competition between auger recombination and hot-carrier trapping in PL intensity fluctuations of type II nanocrystals. <i>Small</i> , <b>2014</b> , 10, 2892-901	11	23
10	Suppressed blinking and auger recombination in near-infrared type-II InP/CdS nanocrystal quantum dots. <i>Nano Letters</i> , <b>2012</b> , 12, 5545-51	11.5	109
9	Quantum dot-fluorescent protein FRET probes for sensing intracellular pH. <i>ACS Nano</i> , <b>2012</b> , 6, 2917-24	16.7	277
8	Giant nanocrystal quantum dots: stable down-conversion phosphors that exploit a large stokes shift and efficient shell-to-core energy relaxation. <i>Nano Letters</i> , <b>2012</b> , 12, 3031-7	11.5	77
7	Imaging heterostructured quantum dots in cultured cells with epifluorescence and transmission electron microscopy. <i>Proceedings of SPIE</i> , <b>2011</b> , 7909, 79090N	1.7	2
6	Surface ligand effects on metal-affinity coordination to quantum dots: implications for nanoprobe self-assembly. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 1160-70	6.3	80

- 5 Sensing caspase 3 activity with quantum dot-fluorescent protein assemblies. *Journal of the American Chemical Society*, **2009**, 131, 3828-9 16.4 263
- 4 Resonance Energy Transfer Between Luminescent Quantum Dots and Diverse Fluorescent Protein Acceptors. *Journal of Physical Chemistry C*, **2009**, 113, 18552-18561 3.8 101
- 3 Quantum dot-fluorescent protein pairs as novel fluorescence resonance energy transfer probes. *Nano Letters*, **2008**, 8, 1439-45 11.5 163
- 2 Biomimetic polymers in pharmaceutical and biomedical sciences. *European Journal of Pharmaceutics and Biopharmaceutics*, **2004**, 58, 385-407 5.7 138
- 1 In vitro modulation of protein kinase CK2-mediated phosphorylation of the neuronal growth-associated protein B-50 (GAP-43). *Neuroscience Research Communications*, **2003**, 33, 189-199