# Allison M Dennis

## List of Publications by Citations



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|---|---|---|---|
| 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 | Quantum dot-fluorescent protein FRET probes for sensing intracellular pH. *ACS Nano*, **2012**, 6, 2917-24 | 16.7 | 277 |
| 39 | Sensing caspase 3 activity with quantum dot-fluorescent protein assemblies. *Journal of the American Chemical Society*, **2009**, 131, 3828-9 | 16.4 | 263 |
| 38 | Förster Resonance Energy Transfer between Quantum Dot Donors and Quantum Dot Acceptors. *Sensors*, **2015**, 15, 13288-325 | 3.8 | 175 |
| 37 | Quantum dot-fluorescent protein pairs as novel fluorescence resonance energy transfer probes. *Nano Letters*, **2008**, 8, 1439-45 | 11.5 | 163 |
| 36 | Biomimetic polymers in pharmaceutical and biomedical sciences. *European Journal of Pharmaceutics and Biopharmaceutics*, **2004**, 58, 385-407 | 5.7 | 138 |
| 35 | Suppressed blinking and auger recombination in near-infrared type-II InP/CdS nanocrystal quantum dots. *Nano Letters*, **2012**, 12, 5545-51 | 11.5 | 109 |
| 34 | Resonance Energy Transfer Between Luminescent Quantum Dots and Diverse Fluorescent Protein Acceptors. *Journal of Physical Chemistry C*, **2009**, 113, 18552-18561 | 3.8 | 101 |
| 33 | Surface ligand effects on metal-affinity coordination to quantum dots: implications for nanoprobe self-assembly. *Bioconjugate Chemistry*, **2010**, 21, 1160-70 | 6.3 | 80 |
| 32 | Giant nanocrystal quantum dots: stable down-conversion phosphors that exploit a large stokes shift and efficient shell-to-core energy relaxation. *Nano Letters*, **2012**, 12, 3031-7 | 11.5 | 77 |
| 31 | Sensing with photoluminescent semiconductor quantum dots. *Methods and Applications in Fluorescence*, **2019**, 7, 012005 | 3.1 | 43 |
| 30 | Shell thickness effects on quantum dot brightness and energy transfer. *Nanoscale*, **2017**, 9, 16446-16458 | 7.7 | 36 |
| 29 | Emerging Physicochemical Phenomena along with New Opportunities at the Biomolecular-Nanoparticle Interface. *Journal of Physical Chemistry Letters*, **2016**, 7, 2139-50 | 6.4 | 33 |
| 28 | A progesterone biosensor derived from microbial screening. *Nature Communications*, **2020**, 11, 1276 | 17.4 | 29 |
| 27 | Competition between auger recombination and hot-carrier trapping in PL intensity fluctuations of type II nanocrystals. *Small*, **2014**, 10, 2892-901 | 11 | 23 |
| 26 | Bandgap Engineering of Indium Phosphide-Based Core/Shell Heterostructures Through Shell Composition and Thickness. *Frontiers in Chemistry*, **2018**, 6, 567 | 5 | 21 |
| 25 | Shell-Free Copper Indium Sulfide Quantum Dots Induce Toxicity and. *Nano Letters*, **2020**, 20, 1980-1991 | 11.5 | 20 |
| 24 | In Vivo Biosensing Using Resonance Energy Transfer. *Biosensors*, **2019**, 9, | 5.9 | 19 |

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| 23 | Extending the Near-Infrared Emission Range of Indium Phosphide Quantum Dots for Multiplexed Imaging. *Nano Letters*, **2021**, 21, 3271-3279 | 11.5 | 16 |
| 22 | The Role of Liquid Ink Transport in the Direct Placement of Quantum Dot Emitters onto Sub-Micrometer Antennas by Dip-Pen Nanolithography. *Small*, **2018**, 14, e1801503 | 11 | 14 |
| 21 | Quantifying engineered nanomaterial toxicity: comparison of common cytotoxicity and gene expression measurements. *Journal of Nanobiotechnology*, **2017**, 15, 79 | 9.4 | 13 |
| 20 | Measuring Nanoparticle Polarizability Using Fluorescence Microscopy. *Nano Letters*, **2019**, 19, 5762-5768 | 11.5 | 13 |
| 19 | Hydrogel-Embedded Quantum Dot-Transcription Factor Sensors for Quantitative Progesterone Detection. *ACS Applied Materials & Interfaces*, **2020**, 12, 43513-43521 | 9.5 | 11 |
| 18 | A Förster Resonance Energy Transfer-Based Ratiometric Sensor with the Allosteric Transcription Factor TetR. *Small*, **2020**, 16, e1907522 | 11 | 9 |
| 17 | Transcription Factor Based Small-Molecule Sensing with a Rapid Cell Phone Enabled Fluorescent Bead Assay. *Angewandte Chemie - International Edition*, **2020**, 59, 21597-21602 | 16.4 | 9 |
| 16 | A versatile and accessible polymer coating for functionalizable zwitterionic quantum dots with high DNA grafting efficiency. *Chemical Communications*, **2019**, 55, 11067-11070 | 5.8 | 8 |
| 15 | Role of Interface Chemistry in Opening New Radiative Pathways in InP/CdSe Giant Quantum Dots with Blinking-Suppressed Two-Color Emission. *Advanced Functional Materials*, **2019**, 29, 1809111 | 15.6 | 7 |
| 14 | Quantum dot to quantum dot Förster resonance energy transfer: engineering materials for visual color change sensing. *Analyst, The*, **2020**, 145, 5754-5767 | 5 | 7 |
| 13 | Engineering Brightness Matched Indium Phosphide Quantum Dots. *Chemistry of Materials*, **2021**, 33, 1964-1975 | 9.6 | 7 |
| 12 | Surface Immobilized Nucleic Acid-Transcription Factor Quantum Dots for Biosensing. *Advanced Healthcare Materials*, **2020**, 9, e2000403 | 10.1 | 6 |
| 11 | Correlating ZnSe Quantum Dot Absorption with Particle Size and Concentration.. *Chemistry of Materials*, **2021**, 33, 7527-7536 | 9.6 | 5 |
| 10 | Ligands and media impact interactions between engineered nanomaterials and clay minerals. *NanoImpact*, **2019**, 13, 112-122 | 5.6 | 4 |
| 9 | Geometrically Tunable Beamed Light Emission from a Quantum-Dot Ensemble Near a Gradient Metasurface. *Advanced Optical Materials*, **2020**, 8, 1901951 | 8.1 | 4 |
| 8 | Transcription Factor Based Small-Molecule Sensing with a Rapid Cell Phone Enabled Fluorescent Bead Assay. *Angewandte Chemie*, **2020**, 132, 21781-21786 | 3.6 | 2 |
| 7 | Imaging heterostructured quantum dots in cultured cells with epifluorescence and transmission electron microscopy. *Proceedings of SPIE*, **2011**, 7909, 79090N | 1.7 | 2 |
| 6 | Encapsulating Quantum Dots in Lipid-PEG Micelles and Subsequent Copper-Free Click Chemistry Bioconjugation. *Methods in Molecular Biology*, **2020**, 2135, 95-108 | 1.4 | 2 |

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| 5 | Electric field induced macroscopic cellular phase of nanoparticles.. *Soft Matter*, **2022**, | 3.6 | 1 |
| 4 | Controlled Synthesis and Exploration of CuFeS Bornite Nanocrystals.. *Chemistry of Materials*, **2021**, 33, 7408-7416 | 9.6 | 1 |
| 3 | Phase Transfer and DNA Functionalization of Quantum Dots Using an Easy-to-Prepare, Low-Cost Zwitterionic Polymer. *Methods in Molecular Biology*, **2020**, 2135, 125-139 | 1.4 | 0 |
| 2 | 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). *Small*, **2018**, 14, 1870144 | 11 | |
| 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 | | |