

# Arielle C Mensch

## List of Publications by Year in descending order

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12  
papers

388  
citations

1040056

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1199594

12  
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docs citations

12  
times ranked

643  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Direct Probes of 4 nm Diameter Gold Nanoparticles Interacting with Supported Lipid Bilayers. <i>Journal of Physical Chemistry C</i> , 2015, 119, 534-546.  | 3.1  | 77        |
| 2  | Impact of Nanoscale Lithium Nickel Manganese Cobalt Oxide (NMC) on the Bacterium <i>Shewanella oneidensis</i> MR-1. <i>Chemistry of Materials</i> , 2016, 28, 1092-1100.   | 6.7  | 70        |
| 3  | Formation of supported lipid bilayers containing phase-segregated domains and their interaction with gold nanoparticles. <i>Environmental Science: Nano</i> , 2016, 3, 45-55.  | 4.3  | 68        |
| 4  | Natural Organic Matter Concentration Impacts the Interaction of Functionalized Diamond Nanoparticles with Model and Actual Bacterial Membranes. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11075-11084. | 10.0 | 61        |
| 5  | Carbon Dots: A Modular Activity To Teach Fluorescence and Nanotechnology at Multiple Levels. <i>Journal of Chemical Education</i> , 2017, 94, 1143-1149.   | 2.3  | 28        |
| 6  | Quantitative Mapping of Oxidative Stress Response to Lithium Cobalt Oxide Nanoparticles in Single Cells Using Multiplexed <i>in Situ</i> Gene Expression Analysis. <i>Nano Letters</i> , 2019, 19, 1990-1997.          | 9.1  | 25        |
| 7  | Impact of lithiated cobalt oxide and phosphate nanoparticles on rainbow trout gill epithelial cells. <i>Nanotoxicology</i> , 2018, 12, 1166-1181.  | 3.0  | 20        |
| 8  | Quaternary Amine-Terminated Quantum Dots Induce Structural Changes to Supported Lipid Bilayers. <i>Langmuir</i> , 2018, 34, 12369-12378.   | 3.5  | 18        |
| 9  | Preferential interactions of primary amine-terminated quantum dots with membrane domain boundaries and lipid rafts revealed with nanometer resolution. <i>Environmental Science: Nano</i> , 2020, 7, 149-161.          | 4.3  | 12        |
| 10 | Subtoxic dose of lithium cobalt oxide nanosheets impacts critical molecular pathways in trout gill epithelial cells. <i>Environmental Science: Nano</i> , 2020, 7, 3419-3430.  | 4.3  | 4         |
| 11 | Expression Patterns of Energy-Related Genes in Single Cells Uncover Key Isoforms and Enzymes That Gain Priority Under Nanoparticle-Induced Stress. <i>ACS Nano</i> , 2022, 16, 7197-7209.                              | 14.6 | 3         |
| 12 | Influence of Sensor Coating and Topography on Protein and Nanoparticle Interaction with Supported Lipid Bilayers. <i>Langmuir</i> , 2021, 37, 2256-2267.   | 3.5  | 2         |