

# Daniel Andreescu

## List of Publications by Citations

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**Version:** 2024-04-27

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

25  
papers

1,475  
citations

16  
h-index

25  
g-index

25  
ext. papers

1,591  
ext. citations

6.4  
avg, IF

4.64  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 25 | Paper bioassay based on ceria nanoparticles as colorimetric probes. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 4273-80  | 10.3 | 287       |
| 24 | Toxicity and developmental defects of different sizes and shape nickel nanoparticles in zebrafish. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 6349-56   | 10.3 | 205       |
| 23 | Portable ceria nanoparticle-based assay for rapid detection of food antioxidants (NanoCerac). <i>Analyst, The</i> , <b>2013</b> , 138, 249-62  | 5    | 128       |
| 22 | Stabilizer-free nanosized gold sols. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 298, 742-51   | 9.3  | 94        |
| 21 | A simple route for manufacturing highly dispersed silver nanoparticles. <i>Journal of Materials Research</i> , <b>2007</b> , 22, 2488-2496   | 2.5  | 83        |
| 20 | Electroanalytical evaluation of antioxidant activity of cerium oxide nanoparticles by nanoparticle collisions at microelectrodes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 16770-3       | 16.4 | 79        |
| 19 | Differential impedance spectroscopy for monitoring protein immobilization and antibody-antigen reactions. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 3142-50  | 7.8  | 75        |
| 18 | Biosensors designed for environmental and food quality control based on screen-printed graphite electrodes with different configurations. <i>Analytical and Bioanalytical Chemistry</i> , <b>2002</b> , 374, 25-32   | 4.4  | 73        |
| 17 | A new electrocatalytic mechanism for the oxidation of phenols at platinum electrodes. <i>Electrochemistry Communications</i> , <b>2003</b> , 5, 681-688  | 5.1  | 66        |
| 16 | Nanostructured polyamic acid membranes as novel electrode materials. <i>Langmuir</i> , <b>2005</b> , 21, 6891-9  | 4    | 59        |
| 15 | Applications and implications of nanoceria reactivity: measurement tools and environmental impact. <i>Environmental Science: Nano</i> , <b>2014</b> , 1, 445-458   | 7.1  | 54        |
| 14 | Formation of uniform colloidal ceria in polyol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 291, 93-100  | 5.1  | 53        |
| 13 | Redox reactivity of cerium oxide nanoparticles against dopamine. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 418, 240-5  | 9.3  | 50        |
| 12 | Nanoporous Sorbents for the Removal and Recovery of Phosphorus from Eutrophic Waters: Sustainability Challenges and Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12542-12561       | 8.3  | 41        |
| 11 | Artificial Nanoparticle Antioxidants. <i>ACS Symposium Series</i> , <b>2011</b> , 235-253  | 0.4  | 20        |
| 10 | Electroanalytic Aspects of Single-Entity Collision Methods for Bioanalytical and Environmental Applications. <i>ChemElectroChem</i> , <b>2018</b> , 5, 2920-2936   | 4.3  | 17        |
| 9  | Single-Particle Investigation of Environmental Redox Processes of Arsenic on Cerium Oxide Nanoparticles by Collision Electrochemistry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 24725-24734 | 7.5  | 16        |

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|---|--|-----|----|
| 8 | Chapter 7 New materials for biosensors, biochips and molecular bioelectronics. <i>Comprehensive Analytical Chemistry</i> , <b>2005</b> , 285-327                                 | 1.9 | 15 |
| 7 | Functional Paper-Based Platform for Rapid Capture and Detection of CeO Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 12893-12905               | 9.5 | 12 |
| 6 | Cerium Oxide Nanoparticles Stabilized within Metal-Organic Frameworks for the Degradation of Nerve Agents. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 3288-3294        | 5.6 | 11 |
| 5 | Collision-Based Electrochemical Detection of Lysozyme Aggregation. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 2026-2037   | 7.8 | 10 |
| 4 | Synthesis of Polyoxydianiline Membranes onto Gold Electrodes. <i>Journal of the Electrochemical Society</i> , <b>2005</b> , 152, E299  | 3.9 | 9  |
| 3 | Highly sensitive mercury detection using electroactive gold-decorated polymer nanofibers. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 329, 129267                   | 8.5 | 9  |
| 2 | Rapid characterization of arsenic adsorption on single magnetite nanoparticles by collisions at microelectrodes. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 1999-2009 | 7.1 | 5  |
| 1 | A simple preparative route to highly stable dispersions of uniform silver nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 1891-6              | 1.3 | 4  |