

Daniel Andreescu

List of Publications by Year in Descending Order

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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	Collision-Based Electrochemical Detection of Lysozyme Aggregation. <i>Analytical Chemistry</i> , 2021 , 93, 2026-2037	7.8	10
24	Highly sensitive mercury detection using electroactive gold-decorated polymer nanofibers. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129267	8.5	9
23	Rapid characterization of arsenic adsorption on single magnetite nanoparticles by collisions at microelectrodes. <i>Environmental Science: Nano</i> , 2020 , 7, 1999-2009	7.1	5
22	Cerium Oxide Nanoparticles Stabilized within Metal-Organic Frameworks for the Degradation of Nerve Agents. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3288-3294	5.6	11
21	Single-Particle Investigation of Environmental Redox Processes of Arsenic on Cerium Oxide Nanoparticles by Collision Electrochemistry. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24725-24734	9.5	16
20	Electroanalytic Aspects of Single-Entity Collision Methods for Bioanalytical and Environmental Applications. <i>ChemElectroChem</i> , 2018 , 5, 2920-2936	4.3	17
19	Nanoporous Sorbents for the Removal and Recovery of Phosphorus from Eutrophic Waters: Sustainability Challenges and Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 12542-12561	8.3	41
18	Functional Paper-Based Platform for Rapid Capture and Detection of CeO Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12893-12905	9.5	12
17	Redox reactivity of cerium oxide nanoparticles against dopamine. <i>Journal of Colloid and Interface Science</i> , 2014 , 418, 240-5	9.3	50
16	Applications and implications of nanoceria reactivity: measurement tools and environmental impact. <i>Environmental Science: Nano</i> , 2014 , 1, 445-458	7.1	54
15	Electroanalytical evaluation of antioxidant activity of cerium oxide nanoparticles by nanoparticle collisions at microelectrodes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16770-3	16.4	79
14	Portable ceria nanoparticle-based assay for rapid detection of food antioxidants (NanoCeraC). <i>Analyst, The</i> , 2013 , 138, 249-62	5	128
13	Paper bioassay based on ceria nanoparticles as colorimetric probes. <i>Analytical Chemistry</i> , 2011 , 83, 4273-80	7.8	287
12	Artificial Nanoparticle Antioxidants. <i>ACS Symposium Series</i> , 2011 , 235-253	0.4	20
11	Toxicity and developmental defects of different sizes and shape nickel nanoparticles in zebrafish. <i>Environmental Science & Technology</i> , 2009 , 43, 6349-56	10.3	205
10	A simple preparative route to highly stable dispersions of uniform silver nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1891-6	1.3	4
9	A simple route for manufacturing highly dispersed silver nanoparticles. <i>Journal of Materials Research</i> , 2007 , 22, 2488-2496	2.5	83

8	Stabilizer-free nanosized gold sols. <i>Journal of Colloid and Interface Science</i> , 2006 , 298, 742-51	9.3	94
7	Formation of uniform colloidal ceria in polyol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 291, 93-100	5.1	53
6	Chapter 7 New materials for biosensors, biochips and molecular bioelectronics. <i>Comprehensive Analytical Chemistry</i> , 2005 , 285-327	1.9	15
5	Nanostructured polyamic acid membranes as novel electrode materials. <i>Langmuir</i> , 2005 , 21, 6891-9	4	59
4	Synthesis of Polyoxydianiline Membranes onto Gold Electrodes. <i>Journal of the Electrochemical Society</i> , 2005 , 152, E299	3.9	9
3	A new electrocatalytic mechanism for the oxidation of phenols at platinum electrodes. <i>Electrochemistry Communications</i> , 2003 , 5, 681-688	5.1	66
2	Biosensors designed for environmental and food quality control based on screen-printed graphite electrodes with different configurations. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 374, 25-32	4.4	73
1	Differential impedance spectroscopy for monitoring protein immobilization and antibody-antigen reactions. <i>Analytical Chemistry</i> , 2002 , 74, 3142-50	7.8	75