

Stela Maria Pruneanu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9061184/stela-maria-pruneanu-publications-by-citations.pdf>
Version: 2024-04-10

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.

80 papers	1,475 citations	21 h-index	35 g-index
83 ext. papers	1,746 ext. citations	4.4 avg, IF	4.88 L-index

#	Paper	IF	Citations
80	Simple and cost-effective synthesis of graphene by electrochemical exfoliation of graphite rods. <i>RSC Advances</i> , 2016 , 6, 2651-2661	3.7	86
79	A brief overview on synthesis and applications of graphene and graphene-based nanomaterials. <i>Frontiers of Materials Science</i> , 2019 , 13, 23-32	2.5	83
78	The influence of uric and ascorbic acid on the electrochemical detection of dopamine using graphene-modified electrodes. <i>Electrochimica Acta</i> , 2015 , 154, 197-204	6.7	79
77	Graphene based nanomaterials as chemical sensors for hydrogen peroxide [A comparison study of their intrinsic peroxidase catalytic behavior. <i>Sensors and Actuators B: Chemical</i> , 2015 , 213, 474-483	8.5	77
76	Self-Assembly of DNA-Templated Polypyrrole Nanowires: Spontaneous Formation of Conductive Nanoropes. <i>Advanced Functional Materials</i> , 2008 , 18, 2444-2454	15.6	69
75	Novel Graphene-Gold Nanoparticle Modified Electrodes for the High Sensitivity Electrochemical Spectroscopy Detection and Analysis of Carbamazepine. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 23387-23394	3.8	67
74	Azo dyes degradation using TiO ₂ -Pt/graphene oxide and TiO ₂ -Pt/reduced graphene oxide photocatalysts under UV and natural sunlight irradiation. <i>Solid State Sciences</i> , 2017 , 70, 13-20	3.4	57
73	ReviewRecent Progress in the Graphene-Based Electrochemical Sensors and Biosensors. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 037528	3.9	50
72	Photocatalytic performance of graphene/TiO ₂ -Ag composites on amaranth dye degradation. <i>Materials Chemistry and Physics</i> , 2016 , 179, 232-241	4.4	48
71	Templating Ag on DNA/polymer hybrid nanowires: Control of the metal growth morphology using functional monomers. <i>Electrochemistry Communications</i> , 2009 , 11, 550-553	5.1	46
70	Cytotoxicity assessment of graphene-based nanomaterials on human dental follicle stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 136, 791-8	6	41
69	Green methodology for the preparation of chitosan/graphene nanomaterial through electrochemical exfoliation and its applicability in Sunset Yellow detection. <i>Electrochimica Acta</i> , 2018 , 283, 578-589	6.7	37
68	Few-layer graphene sheets with embedded gold nanoparticles for electrochemical analysis of adenine. <i>International Journal of Nanomedicine</i> , 2013 , 8, 1429-38	7.3	34
67	Manganese(III) porphyrin-based potentiometric sensors for diclofenac assay in pharmaceutical preparations. <i>Sensors</i> , 2010 , 10, 8850-64	3.8	32
66	Graphene-porphyrin composite synthesis through graphite exfoliation: The electrochemical sensing of catechol. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 665-673	8.5	30
65	Synthesis, morpho-structural properties and antibacterial effect of silicate-based composites containing graphene oxide/hydroxyapatite. <i>Materials Chemistry and Physics</i> , 2018 , 217, 48-53	4.4	30
64	Electrochemical platform based on nitrogen-doped graphene/chitosan nanocomposite for selective Pb detection. <i>Nanotechnology</i> , 2017 , 28, 114001	3.4	24

63	Electro-catalytic properties of graphene composites containing gold or silver nanoparticles. <i>Electrochimica Acta</i> , 2013 , 89, 246-252	6.7	24
62	Electrochemical investigation of atenolol oxidation and detection by using a multicomponent nanostructural assembly of amino acids and gold nanoparticles. <i>Chemical Physics Letters</i> , 2011 , 504, 56-61	5	23
61	Graphene-bimetallic nanoparticle composites with enhanced electro-catalytic detection of bisphenol A. <i>Nanotechnology</i> , 2016 , 27, 484001	3.4	22
60	Graphene-based materials produced by graphite electrochemical exfoliation in acidic solutions: Application to Sunset Yellow voltammetric detection. <i>Microchemical Journal</i> , 2019 , 147, 112-120	4.8	21
59	Green synthesis, characterization and potential application of reduced graphene oxide. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 119, 113971	3	21
58	Exfoliation of graphite rods via pulses of current for graphene synthesis: Sensitive detection of 8-hydroxy-2'-deoxyguanosine. <i>Talanta</i> , 2019 , 196, 182-190	6.2	20
57	Sensitive detection of pyoverdine with an electrochemical sensor based on electrochemically generated graphene functionalized with gold nanoparticles. <i>Bioelectrochemistry</i> , 2018 , 120, 94-103	5.6	19
56	The study of adenine and guanine electrochemical oxidation using electrodes modified with graphene-platinum nanoparticles composites. <i>Electrochimica Acta</i> , 2014 , 139, 386-393	6.7	19
55	Modified gold electrodes based on thiocytosine/guanine-gold nanoparticles for uric and ascorbic acid determination. <i>Electrochimica Acta</i> , 2013 , 88, 839-846	6.7	19
54	Novel multifunctional graphene sheets with encased Au/Ag nanoparticles for advanced electrochemical analysis of organic compounds. <i>ChemPhysChem</i> , 2012 , 13, 3632-9	3.2	19
53	Electrochemical Determination of Bisphenol A in Saliva by a Novel Three-Dimensional (3D) Printed Gold-Reduced Graphene Oxide (rGO) Composite Paste Electrode. <i>Analytical Letters</i> , 2019 , 52, 2583-2606	2.2	18
52	Nitrogen-Doped Graphene: The Influence of Doping Level on the Charge-Transfer Resistance and Apparent Heterogeneous Electron Transfer Rate. <i>Sensors</i> , 2020 , 20,	3.8	16
51	Molecular Recognition of Colon Cancer Biomarkers: P53, KRAS and CEA in Whole Blood Samples. <i>Journal of the Electrochemical Society</i> , 2017 , 164, B443-B447	3.9	16
50	Influence of chemical oxidation upon the electro-catalytic properties of graphene-gold nanoparticle composite. <i>Electrochimica Acta</i> , 2013 , 91, 137-143	6.7	16
49	Catalytic one-step synthesis of Pt-decorated few-layer graphenes. <i>RSC Advances</i> , 2013 , 3, 26391	3.7	16
48	Template and template-free preparation of one-dimensional metallic nanostructures. <i>Journal of Materials Science</i> , 2010 , 45, 3151-3159	4.3	16
47	Morphological and electrical characteristics of amino acid-AuNP nanostructured two-dimensional ensembles. <i>Chemical Physics</i> , 2010 , 373, 295-299	2.3	15
46	Carbon and diamond paste microelectrodes based on Mn(III) porphyrins for the determination of dopamine. <i>Analytica Chimica Acta</i> , 2010 , 668, 201-7	6.6	15

45	Cytotoxicity mechanisms of nitrogen-doped graphene obtained by electrochemical exfoliation of graphite rods, on human endothelial and colon cancer cells. <i>Carbon</i> , 2020 , 158, 267-281	10.4	15
44	Enantioanalysis of glutamine-a key factor in establishing the metabolomics process in gastric cancer. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3199-3207	4.4	13
43	Investigation of carbon nanofibers as support for bioactive substances. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20, 177-83	4.5	13
42	Pattern recognition of 8-hydroxy-2'-deoxyguanosine in biological fluids. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 115-121	4.4	12
41	Sensitive detection of hydroquinone using exfoliated graphene-Au/glassy carbon modified electrode. <i>Nanotechnology</i> , 2018 , 29, 095501	3.4	11
40	Needle stochastic sensors for on-site fast recognition and quantification of biomarkers for gastric cancer in biological samples. <i>New Journal of Chemistry</i> , 2020 , 44, 20203-20211	3.6	11
39	Graphene/TiO ₂ -Ag Based Composites Used as Sensitive Electrode Materials for Amaranth Electrochemical Detection and Degradation. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B3054-B3059	3.9	10
38	Cytotoxicity of methylcellulose-based films containing graphenes and curcumin on human lung fibroblasts. <i>Process Biochemistry</i> , 2017 , 52, 243-249	4.8	10
37	A novel isotherm, modeling self-assembled monolayer adsorption and structural changes. <i>Langmuir</i> , 2009 , 25, 931-8	4	10
36	Investigation of Electrochemical Properties of Carbon Nanofibers Prepared by CCVD Method. <i>Particulate Science and Technology</i> , 2006 , 24, 311-320	2	10
35	Enantioanalysis of tryptophan in whole blood samples using stochastic sensors-A screening test for gastric cancer. <i>Chirality</i> , 2020 , 32, 215-222	2.1	10
34	Graphene-based stochastic sensors for pattern recognition of gastric cancer biomarkers in biological fluids. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019 , 23, 1365-1370	1.8	9
33	Single-Step Synthesis of Gold Nanowires Using Biomolecules as Capping Agent/Template: Applications for Tissue Engineering. <i>Particulate Science and Technology</i> , 2013 , 31, 658-662	2	9
32	Electrochemical oxidation of adenine using platinum electrodes modified with carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 59, 181-185	3	8
31	Stone Paper as a New Substrate to Fabricate Flexible Screen-Printed Electrodes for the Electrochemical Detection of Dopamine. <i>Sensors</i> , 2020 , 20,	3.8	7
30	Charge transfer-resistance in nitrogen-doped/undoped graphene: Its influence on the electro-catalytic reduction of H ₂ O ₂ . <i>Electrochimica Acta</i> , 2016 , 220, 664-671	6.7	7
29	Photocatalytic and Electrocatalytic Properties of NGr-ZnO Hybrid Materials. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
28	Multimode microsensors based on Ag ₃ TiO ₂ /graphene materials used for the molecular recognition of carcinoembryonic antigen in whole blood samples. <i>RSC Advances</i> , 2017 , 7, 28419-28426	3.7	6

27	Electrochemical and spectroscopic studies of ssDNA damage induced by hydrogen peroxide using graphene based nanomaterials. <i>Talanta</i> , 2015 , 138, 209-217	6.2	6
26	Myoglobin-silver reduced graphene oxide nanocomposite stochastic biosensor for the determination of luteinizing hormone and follicle-stimulating hormone from saliva samples. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 5191-5202	4.4	6
25	Structural and electrochemical characterization of novel leucine-gold nanoparticles modified electrode. <i>Electrochimica Acta</i> , 2012 , 63, 146-152	6.7	6
24	Impedimetric Measurements for Monitoring Avidin-Biotin Interaction on Self-Assembled Monolayer. <i>Particulate Science and Technology</i> , 2008 , 26, 136-144	2	6
23	Detection of 8-Hydroxy-2-Deoxyguanosine Biomarker with a Screen-Printed Electrode Modified with Graphene. <i>Sensors</i> , 2019 , 19,	3.8	5
22	Nanoparticles from a Gold Complex with Sulfite Ion as Ligand: Preparation and Characterization. <i>Particulate Science and Technology</i> , 2005 , 23, 79-83	2	5
21	Graphene-Gold Nanoparticles Nanozyme-Based Electrochemical Sensor with Enhanced Laccase-Like Activity for Determination of Phenolic Substrates. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 067523	3.9	5
20	Nitrogen and Sulfur Co-Doped Graphene as Efficient Electrode Material for L-Cysteine Detection. <i>Chemosensors</i> , 2021 , 9, 146	4	4
19	Nitrogen-Doped Graphene-Based Sensor for Electrochemical Detection of Piroxicam, a NSAID Drug for COVID-19 Patients. <i>Chemosensors</i> , 2022 , 10, 47	4	3
18	Sensing and Interaction of His-Tagged CA19-9 Antigen with Graphene-Modified Electrodes. <i>Chemosensors</i> , 2020 , 8, 112	4	3
17	Sulphur Doped Graphenes Based 3D-Needle Stochastic Sensors as New Tools for Biomedical Analysis. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 037509	3.9	3
16	Stochastic biosensors based on N- and S-doped graphene for the enantioanalysis of aspartic acid in biological samples.. <i>RSC Advances</i> , 2021 , 11, 23301-23309	3.7	3
15	Direct electrochemical oxidation of S-captopril using gold electrodes modified with graphene-AuAg nanocomposites. <i>International Journal of Nanomedicine</i> , 2014 , 9, 1111-25	7.3	2
14	Nanostructures based on metallic nanoparticles and biomolecules 2012 ,		2
13	Application in Electrochemistry of Graphene-Modified Electrodes. <i>Micro and Nanosystems</i> , 2013 , 5, 127-137	13.7	2
12	Hydrothermal Synthesis of Nitrogen, Boron Co-Doped Graphene with Enhanced Electro-Catalytic Activity for Cymoxanil Detection. <i>Sensors</i> , 2021 , 21,	3.8	2
11	Investigation of L-Tryptophan Electrochemical Oxidation with a Graphene-Modified Electrode. <i>Biosensors</i> , 2021 , 11,	5.9	2
10	Structural and optical properties of Eu ³⁺ ions in lead glass for photonic applications. <i>Journal of Non-Crystalline Solids</i> , 2021 , 569, 120988	3.9	2

9	The reductive amination of α -ketoisocaproic acid using a leucine dehydrogenase-modified gold electrode. <i>Particulate Science and Technology</i> , 2016 , 34, 96-102	2	1
8	Molecular recognition of pyruvic acid and folic acid in whole blood. <i>RSC Advances</i> , 2017 , 7, 50072-50078	3.7	1
7	Bio-Functionalized Metallic Nanoparticles with Applications in Medicine 2016 , 803-817		1
6	Voltammetric determination of bisphenol A with a silver-reduced graphene oxide composite paste microsensor 2019 ,		1
5	Electrochemical L-Tyrosine Sensor Based on a Glassy Carbon Electrode Modified with Exfoliated Graphene. <i>Sensors</i> , 2022 , 22, 3606	3.8	1
4	Structural and spectroscopic properties of gadolinium-lead-lead dioxide glasses. <i>Journal of Non-Crystalline Solids</i> , 2022 , 576, 121234	3.9	0
3	Evaluation of N-doped graphene role in the visible-light driven photodegradation of sulfamethoxazole by a TiO ₂ -silver-graphene composite. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 113701	4.7	0
2	Stochastic microsensors based on modified graphene for pattern recognition of maspin in biological samples.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	0
1	Preparation of 1D nanostructures using biomolecules. <i>Journal of Physics: Conference Series</i> , 2009 , 182, 012014	0.3	