Maria Coros

List of Publications by Year in Descending Order

57 papers	1,042 citations	19 h-index	30 g-index
58 ext. papers	1,295 ext. citations	4.6 avg, IF	4.75 L-index

#	Paper	IF	Citations
57	Nitrogen-Doped Graphene-Based Sensor for Electrochemical Detection of Piroxicam, a NSAID Drug for COVID-19 Patients. *Chemosensors*, **2022**, 10, 47	4	3
56	Stochastic microsensors based on modified graphene for pattern recognition of maspin in biological samples.. *Analytical and Bioanalytical Chemistry*, **2022**, 1	4.4	0
55	Electrochemical L-Tyrosine Sensor Based on a Glassy Carbon Electrode Modified with Exfoliated Graphene. *Sensors*, **2022**, 22, 3606	3.8	1
54	Evaluation of N-doped graphene role in the visible-light driven photodegradation of sulfamethoxazole by a TiO2-silver-graphene composite. *Journal of Photochemistry and Photobiology A: Chemistry*, **2021**, 113701	4.7	0
53	Hydrothermal Synthesis of Nitrogen, Boron Co-Doped Graphene with Enhanced Electro-Catalytic Activity for Cymoxanil Detection. *Sensors*, **2021**, 21,	3.8	2
52	Nitrogen and Sulfur Co-Doped Graphene as Efficient Electrode Material for L-Cysteine Detection. *Chemosensors*, **2021**, 9, 146	4	4
51	Reduced graphene oxide modified with noble metal nanoparticles for formic acid dehydrogenation. *Catalysis Today*, **2021**, 366, 41-47	5.3	8
50	Investigation of L-Tryptophan Electrochemical Oxidation with a Graphene-Modified Electrode. *Biosensors*, **2021**, 11,	5.9	2
49	Myoglobin-silver reduced graphene oxide nanocomposite stochastic biosensor for the determination of luteinizing hormone and follicle-stimulating hormone from saliva samples. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 5191-5202	4.4	6
48	Enantioanalysis of glutamine-a key factor in establishing the metabolomics process in gastric cancer. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 3199-3207	4.4	13
47	Nitrogen-Doped Graphene: The Influence of Doping Level on the Charge-Transfer Resistance and Apparent Heterogeneous Electron Transfer Rate. *Sensors*, **2020**, 20,	3.8	16
46	Stone Paper as a New Substrate to Fabricate Flexible Screen-Printed Electrodes for the Electrochemical Detection of Dopamine. *Sensors*, **2020**, 20,	3.8	7
45	Green synthesis, characterization and potential application of reduced graphene oxide. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 119, 113971	3	21
44	Thermally reduced graphene oxide as green and easily available adsorbent for Sunset yellow decontamination. *Environmental Research*, **2020**, 182, 109047	7.9	12
43	ReviewRecent Progress in the Graphene-Based Electrochemical Sensors and Biosensors. *Journal of the Electrochemical Society*, **2020**, 167, 037528	3.9	50
42	Cytotoxicity mechanisms of nitrogen-doped graphene obtained by electrochemical exfoliation of graphite rods, on human endothelial and colon cancer cells. *Carbon*, **2020**, 158, 267-281	10.4	15
41	Enantioanalysis of tryptophan in whole blood samples using stochastic sensors-A screening test for gastric cancer. *Chirality*, **2020**, 32, 215-222	2.1	10

40	Surface dynamics of genomic DNAs upon lowering the pH, in the presence of graphene/AgNPs-based SERS detection platform. *Journal of Molecular Modeling*, **2020**, 26, 211	2	1
39	Sensing and Interaction of His-Tagged CA19-9 Antigen with Graphene-Modified Electrodes. *Chemosensors*, **2020**, 8, 112	4	3
38	Photocatalytic and Electrocatalytic Properties of NGr-ZnO Hybrid Materials. *Nanomaterials*, **2020**, 10,	5.4	7
37	A concise overview on plasma treatment for application on textile and leather materials. *Plasma Processes and Polymers*, **2020**, 17, 2000046	3.4	10
36	Detection of 8-Hydroxy-2′-Deoxyguanosine Biomarker with a Screen-Printed Electrode Modified with Graphene. *Sensors*, **2019**, 19,	3.8	5
35	A brief overview on synthesis and applications of graphene and graphene-based nanomaterials. *Frontiers of Materials Science*, **2019**, 13, 23-32	2.5	83
34	Electrochemical Determination of Bisphenol A in Saliva by a Novel Three-Dimensional (3D) Printed Gold-Reduced Graphene Oxide (rGO) Composite Paste Electrode. *Analytical Letters*, **2019**, 52, 2583-2606	2.2	18
33	Graphene-based materials produced by graphite electrochemical exfoliation in acidic solutions: Application to Sunset Yellow voltammetric detection. *Microchemical Journal*, **2019**, 147, 112-120	4.8	21
32	Graphene/silver nanoparticles-based surface-enhanced Raman spectroscopy detection platforms: Application in the study of DNA molecules at low pH. *Journal of Raman Spectroscopy*, **2019**, 50, 1849-1860	2.3	7
31	Voltammetric determination of bisphenol A with a silver-reduced graphene oxide composite paste microsensor **2019**,		1
30	Exfoliation of graphite rods via pulses of current for graphene synthesis: Sensitive detection of 8-hydroxy-2′-deoxyguanosine. *Talanta*, **2019**, 196, 182-190	6.2	20
29	Graphene/TiO2-Ag Based Composites Used as Sensitive Electrode Materials for Amaranth Electrochemical Detection and Degradation. *Journal of the Electrochemical Society*, **2018**, 165, B3054-B3059	3.9	10
28	Sensitive detection of pyoverdine with an electrochemical sensor based on electrochemically generated graphene functionalized with gold nanoparticles. *Bioelectrochemistry*, **2018**, 120, 94-103	5.6	19
27	Sensitive detection of hydroquinone using exfoliated graphene-Au/glassy carbon modified electrode. *Nanotechnology*, **2018**, 29, 095501	3.4	11
26	Graphene-porphyrin composite synthesis through graphite exfoliation: The electrochemical sensing of catechol. *Sensors and Actuators B: Chemical*, **2018**, 256, 665-673	8.5	30
25	Green methodology for the preparation of chitosan/graphene nanomaterial through electrochemical exfoliation and its applicability in Sunset Yellow detection. *Electrochimica Acta*, **2018**, 283, 578-589	6.7	37
24	Electrochemical platform based on nitrogen-doped graphene/chitosan nanocomposite for selective Pb detection. *Nanotechnology*, **2017**, 28, 114001	3.4	24
23	Azo dyes degradation using TiO2-Pt/graphene oxide and TiO2-Pt/reduced graphene oxide photocatalysts under UV and natural sunlight irradiation. *Solid State Sciences*, **2017**, 70, 13-20	3.4	57

22	Cytotoxicity of methylcellulose-based films containing graphenes and curcumin on human lung fibroblasts. *Process Biochemistry*, **2017**, 52, 243-249	4.8	10
21	Enhancement of peroxidase-like activity of N-doped graphene assembled with iron-tetrapyridylporphyrin. *RSC Advances*, **2016**, 6, 79497-79506	3.7	13
20	Charge transfer-resistance in nitrogen-doped/undoped graphene: Its influence on the electro-catalytic reduction of H2O2. *Electrochimica Acta*, **2016**, 220, 664-671	6.7	7
19	Graphene oxide vs. reduced graphene oxide as carbon support in porphyrin peroxidase biomimetic nanomaterials. *Talanta*, **2016**, 148, 511-7	6.2	21
18	Simple and cost-effective synthesis of graphene by electrochemical exfoliation of graphite rods. *RSC Advances*, **2016**, 6, 2651-2661	3.7	86
17	Bio-Functionalized Metallic Nanoparticles with Applications in Medicine **2016**, 803-817		1
16	Graphene-bimetallic nanoparticle composites with enhanced electro-catalytic detection of bisphenol A. *Nanotechnology*, **2016**, 27, 484001	3.4	22
15	Photocatalytic performance of graphene/TiO2-Ag composites on amaranth dye degradation. *Materials Chemistry and Physics*, **2016**, 179, 232-241	4.4	48
14	Electrochemical and spectroscopic studies of ssDNA damage induced by hydrogen peroxide using graphene based nanomaterials. *Talanta*, **2015**, 138, 209-217	6.2	6
13	Graphene based nanomaterials as chemical sensors for hydrogen peroxide □A comparison study of their intrinsic peroxidase catalytic behavior. *Sensors and Actuators B: Chemical*, **2015**, 213, 474-483	8.5	77
12	Cytotoxicity assessment of graphene-based nanomaterials on human dental follicle stem cells. *Colloids and Surfaces B: Biointerfaces*, **2015**, 136, 791-8	6	41
11	The influence of uric and ascorbic acid on the electrochemical detection of dopamine using graphene-modified electrodes. *Electrochimica Acta*, **2015**, 154, 197-204	6.7	79
10	Electrochemical degradation of carbamazepine using modified electrode with graphene-AuAg composite **2015**,		2
9	The study of adenine and guanine electrochemical oxidation using electrodes modified with graphene-platinum nanoparticles composites. *Electrochimica Acta*, **2014**, 139, 386-393	6.7	19
8	Electrochemical oxidation of adenine using platinum electrodes modified with carbon nanotubes. *Physica E: Low-Dimensional Systems and Nanostructures*, **2014**, 59, 181-185	3	8
7	Direct electrochemical oxidation of S-captopril using gold electrodes modified with graphene-AuAg nanocomposites. *International Journal of Nanomedicine*, **2014**, 9, 1111-25	7.3	2
6	Electro-catalytic properties of graphene composites containing gold or silver nanoparticles. *Electrochimica Acta*, **2013**, 89, 246-252	6.7	24
5	Influence of chemical oxidation upon the electro-catalytic properties of graphene□gold nanoparticle composite. *Electrochimica Acta*, **2013**, 91, 137-143	6.7	16

4	Application in Electrochemistry of Graphene-Modified Electrodes. *Micro and Nanosystems*, **2013**, 5, 127-137	0.6	2
3	On the enhancement of hydrogen uptake by IRMOF-8 composites with Pt/carbon catalyst. *International Journal of Hydrogen Energy*, **2012**, 37, 7378-7384	6.7	19
2	Supported H4SiW12O40 catalysts for □pinene isomerization. *Open Chemistry*, **2012**, 10, 1208-1217	1.6	3
1	A comparative study concerning chromatographic retention and computed partition coefficients of some precursors of peraza crown ethers. *Open Chemistry*, **2010**, 8, 1203-1209	1.6	2