

Antonio M Radoi

List of Publications by Year in descending order

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62
papers

1,504
citations

331259

21
h-index

315357

38
g-index

62
all docs

62
docs citations

62
times ranked

2369
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in NADH electrochemical sensing design. <i>Bioelectrochemistry</i> , 2009, 76, 126-134.	2.4	170
2	Molybdenum disulphide and graphene quantum dots as electrode modifiers for laccase biosensor. <i>Biosensors and Bioelectronics</i> , 2016, 75, 232-237.	5.3	104
3	Enzyme-Linked Immunosorbent Assay (ELISA) based on superparamagnetic nanoparticles for aflatoxin M1 detection. <i>Talanta</i> , 2008, 77, 138-143.	2.9	103
4	Development of an Electrochemical Biosensor for the Detection of Aflatoxin M1 in Milk. <i>Sensors</i> , 2010, 10, 9439-9448.	2.1	102
5	Charge and energy transfer interplay in hybrid sensitized solar cells mediated by graphene quantum dots. <i>Electrochimica Acta</i> , 2015, 153, 306-315.	2.6	80
6	Disposable immunosensor for the determination of domoic acid in shellfish. <i>Biosensors and Bioelectronics</i> , 2004, 20, 190-196.	5.3	67
7	Disposable biosensor based on platinum nanoparticles-reduced graphene oxide-laccase biocomposite for the determination of total polyphenolic content. <i>Talanta</i> , 2013, 110, 164-170.	2.9	62
8	Impedimetric aflatoxin M1 immunosensor based on colloidal gold and silver electrodeposition. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 214-220.	4.0	60
9	Engineering Graphene Quantum Dots for Enhanced Ultraviolet and Visible Light p-Si Nanowire-Based Photodetector. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29234-29247.	4.0	60
10	Detection of NADH via electrocatalytic oxidation at single-walled carbon nanotubes modified with Variamine blue. <i>Electrochimica Acta</i> , 2008, 53, 2161-2169.	2.6	56
11	Low potential detection of NADH with Prussian Blue bulk modified screen-printed electrodes and recombinant NADH oxidase from <i>Thermus thermophilus</i> . <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 501-506.	4.0	55
12	The NADH Electrochemical Detection Performed at Carbon Nanofibers Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007, 19, 1455-1459.	1.5	53
13	High-performance solid state supercapacitors assembling graphene interconnected networks in porous silicon electrode by electrochemical methods using 2,6-dihydroxynaphthalen. <i>Scientific Reports</i> , 2018, 8, 9654.	1.6	43
14	Disposable dual sensor array for simultaneous determination of chlorogenic acid and caffeine from coffee. <i>RSC Advances</i> , 2015, 5, 261-268.	1.7	39
15	Comparative analysis of honey and citrate stabilized gold nanoparticles: In vitro interaction with proteins and toxicity studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111519.	1.7	38
16	NADH screen-printed electrodes modified with zirconium phosphate, Meldola blue, and Reinecke salt. Application to the detection of glycerol by FIA. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1049-1058.	1.9	27
17	Charge storage and memory effect in graphene quantum dots "PEG600 hybrid nanocomposite. <i>Organic Electronics</i> , 2014, 15, 216-225.	1.4	25
18	Determination of the antiradical properties of olive oils using an electrochemical method based on DPPH radical. <i>Food Chemistry</i> , 2015, 166, 324-329.	4.2	25

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19	Ochratoxin A in Some French Wines: Application of a Direct Competitive ELISA Based on an OTA- α -HRP Conjugate. <i>Analytical Letters</i> , 2009, 42, 1187-1202.	1.0	23
20	Pt nanoparticles on graphene α -polyelectrolyte nanocomposite: Investigation of H ₂ O ₂ and methanol electrocatalysis. <i>Materials Chemistry and Physics</i> , 2014, 146, 538-544.	2.0	23
21	Characterization of the gold-catalyzed deposition of silver on graphite screen-printed electrodes and their application to the development of impedimetric immunosensors. <i>Talanta</i> , 2009, 80, 942-946.	2.9	22
22	Charge transport and memristive properties of graphene quantum dots embedded in poly(3-hexylthiophene) matrix. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	21
23	Carbon nanotube-based electromagnetic band gap resonator for CH ₄ gas detection. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	20
24	Two-Dimensional Nanostructures for Electrochemical Biosensor. <i>Sensors</i> , 2021, 21, 3369.	2.1	20
25	MoS ₂ thin films as electrically tunable materials for microwave applications. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	18
26	Ultrabroadband photodetection based on graphene ink. <i>Nanotechnology</i> , 2010, 21, 455202.	1.3	13
27	Nano-crystalline graphite film on SiO ₂ : Electrochemistry and electro-analytical application. <i>Electrochimica Acta</i> , 2019, 303, 284-292.	2.6	13
28	Sensing the Lactic Acid in Probiotic Yogurts Using an L-Lactate Biosensor Coupled with a Microdialysis Fiber Inserted in a Flow Analysis System. <i>Analytical Letters</i> , 2010, 43, 1301-1309.	1.0	12
29	L-Lactic acid biosensor based on multi-layered graphene. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 985-994.	1.5	11
30	Terbium-functionalized silica nanoparticles for metal ion sensing by fluorescence quenching. <i>Dyes and Pigments</i> , 2021, 187, 109144.	2.0	11
31	Unravelling the strain relaxation processes in silicon nanowire arrays by X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2019, 52, 1077-1086.	1.9	11
32	DNA hybridization detection in a miniaturized electromagnetic band gap resonator. <i>Applied Physics Letters</i> , 2011, 99, 253106.	1.5	9
33	Design, Fabrication and Characterization of a Low-Impedance 3D Electrode Array System for Neuro-Electrophysiology. <i>Sensors</i> , 2012, 12, 16571-16590.	2.1	8
34	Plasmonic ambient light sensing with MoS ₂ -graphene heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 85, 164-168.	1.3	8
35	Plasmon-Enhanced Photoresponse of Self-Powered Si Nanoholes Photodetector by Metal Nanowires. <i>Nanomaterials</i> , 2021, 11, 2460.	1.9	7
36	The microwave sensing of DNA hybridization using carbon nanotubes decorated with gold nanoislands. <i>Journal of Applied Physics</i> , 2012, 111, 076106.	1.1	6

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37	Nafion based nanocomposite membranes with improved electric and protonic conduction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 461, 133-141.	2.3	6
38	Switching microwaves via semiconductor-isolator reversible transition in a thin-film of MoS ₂ . <i>Journal of Applied Physics</i> , 2015, 118, 045710.	1.1	6
39	Enhanced nucleotide mismatch detection based on a 3D silicon nanowire microarray. <i>RSC Advances</i> , 2015, 5, 74506-74514.	1.7	6
40	Dataset on large area nano-crystalline graphite film (NCG) grown on SiO ₂ using plasma-enhanced chemical vapour deposition. <i>Data in Brief</i> , 2019, 24, 103923.	0.5	6
41	Properties of Nitrogen-Doped Nano-Crystalline Graphite Thin Films and Their Application as Electrochemical Sensors. <i>Journal of the Electrochemical Society</i> , 2020, 167, 126510.	1.3	6
42	Electrochemical investigation of a glassy carbon electrode modified with carbon nanotubes decorated with (poly)crystalline gold. <i>Mikrochimica Acta</i> , 2011, 175, 97-104.	2.5	5
43	Microstructures and growth characteristics of polyelectrolytes on silicon using layer-by-layer assembly. <i>Open Chemistry</i> , 2013, 11, 205-214.	1.0	5
44	Lipid hydroxide determination on a ferrocenemethanol modified electrode. <i>Analytical Methods</i> , 2013, 5, 2013.	1.3	5
45	Exploring the impact of MoS ₂ on the performance of the planar solid micro-supercapacitor. <i>Materials Chemistry and Physics</i> , 2021, 265, 124490.	2.0	5
46	In-Depth Analysis of Porous Si Electrodes for Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6043-6054.	1.5	4
47	Graphitized porous silicon decorated with cobalt hexacyanoferrate nanocubes as hybrid electrode for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2022, 424, 140632.	2.6	4
48	Optical characterization of supported gold nanoparticles for plasmonic biosensors. , 2010, , .		3
49	Detection of Human Papilloma Viruses Using Nanostructured Silicon Support in Microarray Technology. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 9102-9109.	0.9	3
50	Reproducible functionalization of silicon substrates intended for biomedical applications. , 2016, , .		3
51	Tunable photoluminescence from interconnected graphene network with potential to enhance the efficiency of a hybrid Si nanowire solar cell. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9564-9573.	1.3	3
52	A novel composite based on pyrene thiazole grafted on graphene oxide: physico-chemical characterization and electrochemical investigations. <i>Materials Chemistry and Physics</i> , 2021, 262, 124315.	2.0	3
53	From Chip Size to Wafer-Scale Nanoporous Gold Reliable Fabrication Using Low Currents Electrochemical Etching. <i>Nanomaterials</i> , 2020, 10, 2321.	1.9	2
54	A polycarboxylic chelating ligand for efficient resin purification of His-tagged proteins expressed in mammalian systems. <i>RSC Advances</i> , 2020, 10, 23931-23935.	1.7	2

#	ARTICLE	IF	CITATIONS
55	Light-harvesting using metallic interdigitated structures modified with Au sputtered graphene. , 2012, , .		1
56	Methane detection using a functionalized MWCNT-based gas sensor. , 2016, , .		1
57	Nanocomposite membranes based on platinum nanoparticles dispersed in polymeric matrix. , 2010, , .		0
58	Graphene ink photodetector for UV-Vis and NIR domain. , 2010, , .		0
59	Electromagnetic band gap CNT based resonator for DNA detection. , 2011, , .		0
60	Direct writing of Prussian blue patterns down to micrometer scale: preliminary tests results. , 2019, , .		0
61	Efficient Photodetector Based on Graphene Quantum Dots and Silicon Nanowires Junction. , 0, , .		0
62	Quantification of the strain-relaxation processes in silicon nanowire arrays using combined X-ray diffraction analyses. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e653-e653.	0.0	0