

Mamas I Prodromidis

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.

95
papers

2,623
citations

28
h-index

46
g-index

98
ext. papers

2,862
ext. citations

6.4
avg, IF

5.63
L-index

#	Paper	IF	Citations
95	Electrochemical performance of passivated antimonene nanosheets and of in-situ prepared antimonene oxide-PEDOT:PSS modified screen-printed graphite electrodes. <i>Electrochimica Acta</i> , 2022 , 410, 140033	6.7	1
94	Smartphone paired SIM card-type integrated creatinine biosensor.. <i>Biosensors and Bioelectronics</i> , 2022 , 207, 114204	11.8	0
93	Simultaneous determination of guanine and adenine in human saliva with graphite sparked screen-printed electrodes. <i>Talanta</i> , 2021 , 239, 123119	6.2	1
92	Determination of 8-hydroxy-2'-deoxyguanosine in urine with near-mode sparked graphite screen-printed electrodes. <i>Electrochimica Acta</i> , 2021 , 399, 139371	6.7	1
91	Combination of ferrocene decorated gold nanoparticles and engineered primers for the direct reagentless determination of isothermally amplified DNA. <i>Mikrochimica Acta</i> , 2021 , 188, 117	5.8	3
90	3D printed microcell featuring a disposable nanocomposite Sb/Sn immunosensor for quantum dot-based electrochemical determination of adulteration of ewe/goat cheese with cow milk. <i>Sensors and Actuators B: Chemical</i> , 2021 , 334, 129614	8.5	5
89	Two-dimensional inorganic nanosheets: production and utility in the development of novel electrochemical (bio)sensors and gas-sensing applications. <i>Mikrochimica Acta</i> , 2021 , 188, 6	5.8	5
88	A compact bipolar electrochemistry device utilizing a liquid free catholyte and eye visual indication of the reporting event for the determination of antioxidant capacity in real-world samples. <i>Talanta</i> , 2020 , 219, 121313	6.2	3
87	Generation of graphite nanomaterials from pencil leads with the aid of a 3D positioning sparking device: Application to the voltammetric determination of nitroaromatic explosives. <i>Sensors and Actuators B: Chemical</i> , 2020 , 310, 127871	8.5	5
86	2D bismuthene/graphene modified electrodes for the ultra-sensitive stripping voltammetric determination of lead and cadmium. <i>Electrochimica Acta</i> , 2020 , 336, 135726	6.7	25
85	Humidity impedimetric sensor based on vanadium pentoxide xerogel modified screen-printed graphite electrochemical cell. <i>Talanta</i> , 2020 , 216, 121003	6.2	5
84	A portable medical diagnostic device utilizing free-standing responsive polymer film-based biosensors and low-cost transducer for point-of-care applications. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 127356	8.5	10
83	Indirect determination of Escherichia coli based on β -glucuronidase activity and the voltammetric oxidation of phenolphthalein at graphite screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 879, 114752	4.1	1
82	In-situ tailoring of the electrocatalytic properties of screen-printed graphite electrodes with sparked generated molybdenum nanoparticles for the simultaneous voltammetric determination of sunset yellow and tartrazine. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 127268	8.5	21
81	Low-cost pencil graphite-based electrochemical detector for HPLC with near-coulometric efficiency. <i>Sensors and Actuators B: Chemical</i> , 2019 , 296, 126618	8.5	8
80	Lab-on-a-screen-printed electrochemical cell for drop-volume voltammetric screening of flunitrazepam in untreated, undiluted alcoholic and soft drinks. <i>Biosensors and Bioelectronics</i> , 2019 , 132, 136-142	11.8	18
79	Extended coverage of screen-printed graphite electrodes by spark discharge produced gold nanoparticles with a 3D positioning device. Assessment of sparking voltage-time characteristics to develop sensors with advanced electrocatalytic properties. <i>Electrochimica Acta</i> , 2019 , 304, 292-300	6.7	5

78	Low-cost screen-printed sensors on-demand: Instantly prepared sparked gold nanoparticles from eutectic Au/Si alloy for the determination of arsenic at the sub-ppb level. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 273-280	8.5	17
77	Bipolar electrochemical detection of reducing compounds based on visual observation of a metal electrodeposited track at the onset driving voltage. <i>Sensors and Actuators B: Chemical</i> , 2018 , 268, 529-534	8.5	4
76	Use of interelectrode material transfer of nickel and copper-nickel alloy to carbon fibers to assemble miniature glucose sensors. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 816, 45-53	4.1	13
75	Sensitive Determination of Iron Using Disposable Nafion-Coated Screen-Printed Graphite Electrodes. <i>Analytical Letters</i> , 2018 , 51, 198-208	2.2	6
74	Determination of Cd and Zn with green screen-printed electrodes modified with instantly prepared sparked tin nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 260, 1076-1083	8.5	26
73	Flexible plastic, paper and textile lab-on-a chip platforms for electrochemical biosensing. <i>Lab on A Chip</i> , 2018 , 18, 1812-1830	7.2	82
72	Low dimensional Bi ₂ Te ₃ -graphene oxide hybrid film-modified electrodes for ultra-sensitive stripping voltammetric detection of Pb(II) and Cd(II). <i>Electrochimica Acta</i> , 2017 , 231, 230-237	6.7	26
71	Glucose sensing on graphite screen-printed electrode modified by sparking of copper nickel alloys. <i>Talanta</i> , 2017 , 165, 466-473	6.2	28
70	New Trends in Antibody-Based Electrochemical Biosensors. <i>Comprehensive Analytical Chemistry</i> , 2017 , 77, 55-100	1.9	2
69	Preparation of Screen-Printed Compatible Bismuth-Modified Sol-Gel Microspheres: Application to the Stripping Voltammetric Determination of Lead and Cadmium. <i>Analytical Letters</i> , 2016 , 49, 979-989	2.2	10
68	Lab-on-a-Membrane Foldable Devices for Duplex Drop-Volume Electrochemical Biosensing Using Quantum Dot Tags. <i>Analytical Chemistry</i> , 2016 , 88, 6897-904	7.8	49
67	Electrochemical immunosensors: Critical survey of different architectures and transduction strategies. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 79, 88-105	14.6	148
66	Disposable integrated bismuth citrate-modified screen-printed immunosensor for ultrasensitive quantum dot-based electrochemical assay of C-reactive protein in human serum. <i>Analytica Chimica Acta</i> , 2015 , 886, 29-36	6.6	55
65	Sparked-bismuth oxide screen-printed electrodes for the determination of riboflavin in the sub-nanomolar range in non-deoxygenated solutions. <i>Electrochimica Acta</i> , 2015 , 165, 410-415	6.7	24
64	Ultrasensitive Determination of Vitamin B12 Using Disposable Graphite Screen-Printed Electrodes and Anodic Adsorptive Voltammetry. <i>Electroanalysis</i> , 2015 , 27, 1876-1882	3	15
63	Preorganized composite material of polyaniline-palladium nanoparticles with high electrocatalytic activity to methanol and ethanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 6745-6753	6.7	28
62	Quantum dot-based electrochemical DNA biosensor using a screen-printed graphite surface with embedded bismuth precursor. <i>Electrochemistry Communications</i> , 2015 , 60, 47-51	5.1	37
61	Rhodium nanoparticle-modified screen-printed graphite electrodes for the determination of hydrogen peroxide in tea extracts in the presence of oxygen. <i>Talanta</i> , 2015 , 134, 482-487	6.2	26

60	Green and facile electrode modification by spark discharge: Bismuth oxide-screen printed electrodes for the screening of ultra-trace Cd(II) and Pb(II). <i>Electrochemistry Communications</i> , 2015 , 50, 20-23	5.1	48
59	Performance of layer-by-layer deposited low dimensional building blocks of graphene-prussian blue onto graphite screen-printed electrodes as sensors for hydrogen peroxide. <i>Electrochimica Acta</i> , 2014 , 146, 477-484	6.7	34
58	Screen-Printed Disposable Sensors Modified with Bismuth Precursors for Rapid Voltammetric Determination of 3 Ecotoxic Nitrophenols. <i>Electroanalysis</i> , 2014 , 26, 766-775	3	20
57	Bismuth-dispersed xerogel-based composite films for trace Pb(II) and Cd(II) voltammetric determination. <i>Analytica Chimica Acta</i> , 2013 , 769, 49-55	6.6	52
56	Novel screen-printed antimony and tin voltammetric sensors for anodic stripping detection of Pb(II) and Cd(II). <i>Electrochimica Acta</i> , 2013 , 114, 758-765	6.7	51
55	Voltammetric determination of trace Tl(I) at disposable screen-printed electrodes modified with bismuth precursor compounds. <i>Sensors and Actuators B: Chemical</i> , 2013 , 182, 718-724	8.5	23
54	Palladium nanoparticle-decorated iron nanotubes hosted in a polycarbonate porous membrane: development, characterization, and performance as electrocatalysts of ascorbic acid. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 1637-42	4.4	5
53	Kappa-casein based electrochemical and surface plasmon resonance biosensors for the assessment of the clotting activity of rennet. <i>Analytica Chimica Acta</i> , 2012 , 712, 132-7	6.6	9
52	Disposable screen-printed sensors modified with bismuth precursor compounds for the rapid voltammetric screening of trace Pb(II) and Cd(II). <i>Analytica Chimica Acta</i> , 2012 , 728, 1-8	6.6	73
51	Synthesis, characterization and performance of polyaniline/polyoxometalates (XM ₁₂ , X=P, Si and M=Mo, W) composites as electrocatalysts of bromates. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 346-353	8.5	36
50	Synthesis and characterization of carbon nanotubes decorated with Pt and PtRu nanoparticles and assessment of their electrocatalytic performance. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 1243-1253	6.7	40
49	Electrochemically induced chemical sensor properties in graphite screen-printed electrodes: The case of a chemical sensor for uranium. <i>Electrochimica Acta</i> , 2011 , 56, 8857-8860	6.7	21
48	An electrochemical sensor for trace uranium determination based on 6-O-palmitoyl-l-ascorbic acid-modified graphite electrodes. <i>Sensors and Actuators B: Chemical</i> , 2011 , 156, 689-694	8.5	38
47	Impedimetric biosensor for the assessment of the clotting activity of rennet. <i>Analytical Chemistry</i> , 2010 , 82, 8629-36	7.8	36
46	Impedimetric immunosensors: A review. <i>Electrochimica Acta</i> , 2010 , 55, 4227-4233	6.7	264
45	On the possibility of a pH-metric determination of ozone. <i>Electrochemistry Communications</i> , 2010 , 12, 262-265	5.1	6
44	On-site monitoring of fish spoilage using vanadium pentoxide xerogel modified interdigitated gold electrodes. <i>Electrochimica Acta</i> , 2010 , 55, 4256-4260	6.7	9
43	Comparative study of different types of graphenes as electrocatalysts for ascorbic acid. <i>Electrochemistry Communications</i> , 2010 , 12, 1307-1309	5.1	82

42	Solid redox polymer electrolyte-based amperometric sensors for the direct monitoring of ozone in gas phase. <i>Electrochemistry Communications</i> , 2009 , 11, 2113-2116	5.1	14
41	Development of a faradic impedimetric immunosensor for the detection of Salmonella typhimurium in milk. <i>Analytical Chemistry</i> , 2008 , 80, 1169-75	7.8	67
40	Evaluation of lacquered tinplated cans containing octopus in brine by employing X-ray microanalysis and electrochemical impedance spectroscopy. <i>Journal of Food Engineering</i> , 2008 , 86, 460-464	6.4	25
39	Performance of a Faradaic impedimetric immunosensor for blood group antigen A. <i>Mikrochimica Acta</i> , 2008 , 163, 251-256	5.8	4
38	An electrochemical study of lignin films degradation: Proof-of-concept for an impedimetric ozone sensor. <i>Sensors and Actuators B: Chemical</i> , 2008 , 129, 903-908	8.5	16
37	Development of an impedimetric immunosensor based on electropolymerized polytyramine films for the direct detection of Salmonella typhimurium in pure cultures of type strains and inoculated real samples. <i>Analytica Chimica Acta</i> , 2008 , 624, 301-7	6.6	32
36	Assessment of the interaction between a synthetic epitope of troponin C and its specific antibody using a label-free faradaic impedimetric immunosensor and alpha-Keggin silicotungstic heteropolyacid as a redox probe. <i>Biosensors and Bioelectronics</i> , 2007 , 23, 362-9	11.8	17
35	Monitoring of the avidinBiotylinated dextran interaction on Au- and Ti/TiO ₂ -electrode surfaces using a charge integrating device. <i>Sensors and Actuators B: Chemical</i> , 2006 , 114, 47-57	8.5	9
34	Ozone monitoring based on a biosensor concept utilizing a reagentless alcohol oxidase electrode. <i>Analytical Chemistry</i> , 2006 , 78, 4676-82	7.8	17
33	Investigation of fish productmetal container interaction using scanning electron microscopyX-ray microanalysis. <i>Food Chemistry</i> , 2006 , 98, 225-230	8.5	27
32	Development and study of anodic Ti/TiO ₂ electrodes and their potential use as impedimetric immunosensors. <i>Electrochimica Acta</i> , 2006 , 51, 3537-3542	6.7	53
31	Development of capacitance based immunosensors on mixed self-assembled monolayers. <i>Sensors and Actuators B: Chemical</i> , 2006 , 114, 1064-1070	8.5	38
30	Electrochemical study of ferrocene intercalated vanadium pentoxide xerogel/polyvinyl alcohol composite films: Application in the development of amperometric biosensors. <i>Electrochemistry Communications</i> , 2005 , 7, 781-788	5.1	27
29	Synthesis, characterization and performance of vanadium hexacyanoferrate as electrocatalyst of H ₂ O ₂ . <i>Electrochemistry Communications</i> , 2005 , 7, 1398-1404	5.1	102
28	Performance of Impedimetric Biosensors Based on Anodically Formed Ti/TiO ₂ Electrodes. <i>Electroanalysis</i> , 2005 , 17, 1878-1885	3	18
27	Construction and analytical applications of a palm-sized microcontroller-based amperometric analyzer. <i>Sensors and Actuators B: Chemical</i> , 2005 , 107, 372-378	8.5	22
26	All-solid-state potentiometric sensors for ascorbic acid by using a screen-printed compatible solid contact. <i>Analytica Chimica Acta</i> , 2004 , 502, 15-22	6.6	22
25	Preparation of a 2-(4-fluorophenyl)indole-modified xerogel and its use for the fabrication of screen-printed electrodes for the electrocatalytic determination of sulfide. <i>Analytica Chimica Acta</i> , 2004 , 523, 201-207	6.6	24

24	Development of an amperometric biosensing method for the determination of L-fucose in pretreated urine. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 620-7	11.8	15
23	Metal-Dispersed Xerogel-Based Composite Films for the Development of Interference Free Oxidase-Based Biosensors. <i>Chemistry of Materials</i> , 2004 , 16, 1026-1034	9.6	15
22	Development of a flow amperometric enzymatic method for the determination of total glucosinolates in real samples. <i>Analytical Chemistry</i> , 2003 , 75, 927-34	7.8	12
21	Highly selective spectrophotometric determination of trace cobalt and development of a reagentless fiber-optic sensor. <i>Analytica Chimica Acta</i> , 2002 , 467, 205-215	6.6	28
20	Flow monitoring of NADH consumption in bioassays based on packed-bed reactors bearing NAD ⁺ -dependent dehydrogenases. <i>Analytica Chimica Acta</i> , 2002 , 467, 225-232	6.6	2
19	Development of amperometric biosensors for the determination of glycolic acid in real samples. <i>Analytical Chemistry</i> , 2002 , 74, 132-9	7.8	13
18	Development of 1-(2-pyridylazo)-2-naphthol-modified polymeric membranes for the effective batch pre-concentration and determination of zinc traces with flame atomic absorption spectrometry. <i>Talanta</i> , 2002 , 56, 491-8	6.2	23
17	Amperometric Detection of Periodate Using a Graphite Electrode Modified with a Novel Keggin-Type Silicotungstic Acid Salt and Determination of Ethylene Glycol in Antifreeze Fluids. <i>Electroanalysis</i> , 2001 , 13, 960-966	3	15
16	Membrane sampler for interference-free flow injection NO determination in biological fluids with chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2001 , 450, 63-72	6.6	7
15	An Enzymic Method for the Determination of Bilirubin Using an Oxygen Electrode. <i>Electroanalysis</i> , 2000 , 12, 292-295	3	33
14	Electrochemical Behavior and Analytical Utility of a Controlled Porosity Cellulose Acetate Film Bearing 2,6-Dichlorophenolindophenol. <i>Electroanalysis</i> , 2000 , 12, 361-368	3	15
13	An Enzyme Electrode for Extended Linearity Citrate Measurements Based on Modified Polymeric Membranes. <i>Electroanalysis</i> , 2000 , 12, 1118-1123	3	14
12	The Importance of Surface Coverage in the Electrochemical Study of Chemically Modified Electrodes. <i>Electroanalysis</i> , 2000 , 12, 1498-1501	3	35
11	Flow electrochemical determination of ascorbic acid in real samples using a glassy carbon electrode modified with a cellulose acetate film bearing 2,6-dichlorophenolindophenol. <i>Analytica Chimica Acta</i> , 2000 , 409, 113-121	6.6	70
10	Reagentless enzyme electrode for malate based on modified polymeric membranes. <i>Analytica Chimica Acta</i> , 2000 , 408, 217-224	6.6	15
9	Fabrication and voltammetric study of lanthanum 2,6-dichlorophenolindophenol chemically modified screen printed electrodes.: Application for the determination of ascorbic acid. <i>Analytica Chimica Acta</i> , 2000 , 423, 107-114	6.6	32
8	Spectrophotometric Determination of Trace Amounts of Vanadium Based on its Catalytic Effect on the Reaction of Diphenylamine and Hydrogen Peroxide. <i>Mikrochimica Acta</i> , 2000 , 135, 197-201	5.8	15
7	Construction of a Triphenyltetrazolium Liquid Membrane Ion Selective Electrode and its Analytical Application to the Assay of Vitamin C. <i>Mikrochimica Acta</i> , 2000 , 135, 113-117	5.8	4

6	Electrochemical study of chemically modified and screen-printed graphite electrodes with. <i>Analytical Chemistry</i> , 2000 , 72, 3995-4002	7.8	62
5	The Importance of Surface Coverage in the Electrochemical Study of Chemically Modified Electrodes 2000 , 12, 1498		1
4	Electrocatalytic Oxidation of NADH in Flow Analysis by Graphite Electrode Modified with 2,6-Dichlorophenolindophenol Salts. <i>Electroanalysis</i> , 1998 , 10, 1261-1268	3	28
3	Bioelectrochemical determination of citric acid in real samples using a fully automated flow injection manifold. <i>Analyst, The</i> , 1997 , 122, 1101-6	5	38
2	Amperometric determination of L-malic acid in a flow injection analysis manifold using packed-bed enzyme reactors. <i>Analyst, The</i> , 1996 , 121, 435	5	20
1	Application of a picrolonate ion-selective electrode to the assay of calcium and piperazine in pharmaceuticals and serum. <i>Analyst, The</i> , 1994 , 119, 1613-7	5	5