

Arben Merkošići

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8371679/publications.pdf>

Version: 2024-02-01

327
papers

25,939
citations

5574

82
h-index

7950

149
g-index

343
all docs

343
docs citations

343
times ranked

25094
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolomics for personalized medicine: the input of analytical chemistry from biomarker discovery to point-of-care tests. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 759-789.	3.7	43
2	Label-free and reagentless electrochemical genosensor based on graphene acid for meat adulteration detection. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113628.	10.1	25
3	A plug, print & play inkjet printing and impedance-based biosensing technology operating through a smartphone for clinical diagnostics. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113737.	10.1	28
4	Low-Cost, User-Friendly, All-Integrated Smartphone-Based Microplate Reader for Optical-Based Biological and Chemical Analyses. <i>Analytical Chemistry</i> , 2022, 94, 1271-1285.	6.5	29
5	Optical smartphone-based sensing: diagnostic of biomarkers. , 2022, , 277-302.		1
6	An innovative autonomous robotic system for on-site detection of heavy metal pollution plumes in surface water. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 122.	2.7	12
7	Point-of-Care Sensors in Clinical Environments: Potential and Challenges. , 2022, , .		1
8	Wearable and fully printed microfluidic nanosensor for sweat rate, conductivity, and copper detection with healthcare applications. <i>Biosensors and Bioelectronics</i> , 2022, 202, 114005.	10.1	29
9	Signal enhancement strategies. , 2022, , 123-168.		0
10	A Novel Ratiometric Fluorescent Approach for the Modulation of the Dynamic Range of Lateral Flow Immunoassays. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	17
11	Editorial on COVID-19 biosensing technologies- 2d Edition. <i>Biosensors and Bioelectronics</i> , 2022, 212, 114340.	10.1	1
12	Paper-based biosensors for cancer diagnostics. <i>Trends in Chemistry</i> , 2022, 4, 554-567.	8.5	14
13	A Programmable Electrochemical Y-shaped DNA Scaffold Sensor for the Single-Step Detection of Antibodies and Proteins in Untreated Biological Fluids. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	10
14	ATP Sensing Paper with Smartphone Bioluminescence-Based Detection. <i>Methods in Molecular Biology</i> , 2022, , 297-307.	0.9	2
15	Graphene Nanobeacons with High-Affinity Pockets for Combined, Selective, and Effective Decontamination and Reagentless Detection of Heavy Metals. <i>Small</i> , 2022, 18, .	10.0	6
16	Improved <i>Aliivibrio fischeri</i> based-toxicity assay: Graphene-oxide as a sensitivity booster with a mobile-phone application. <i>Journal of Hazardous Materials</i> , 2021, 406, 124434.	12.4	9
17	Integrating gold nanoclusters, folic acid and reduced graphene oxide for nanosensing of glutathione based on "turn-off" fluorescence. <i>Scientific Reports</i> , 2021, 11, 2375.	3.3	29
18	Lateral flow device for water fecal pollution assessment: from troubleshooting of its microfluidics using bioluminescence to colorimetric monitoring of generic <i>Escherichia coli</i> . <i>Lab on A Chip</i> , 2021, 21, 2417-2426.	6.0	19

#	ARTICLE	IF	CITATIONS
19	The Microbiome Meets Nanotechnology: Opportunities and Challenges in Developing New Diagnostic Devices. <i>Advanced Materials</i> , 2021, 33, e2006104.	21.0	24
20	Non-Invasive Diagnostics: Integrated Devices for Non-Invasive Diagnostics (Adv. Funct. Mater. 15/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170105.	14.9	2
21	COVID-19 biosensing technologies. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113046.	10.1	30
22	Microbiome and Nanotechnology: The Microbiome Meets Nanotechnology: Opportunities and Challenges in Developing New Diagnostic Devices (Adv. Mater. 18/2021). <i>Advanced Materials</i> , 2021, 33, 2170139.	21.0	0
23	Electrochromism: An emerging and promising approach in (bio)sensing technology. <i>Materials Today</i> , 2021, 50, 476-498.	14.2	33
24	Rapid and Efficient Detection of the SARS-CoV-2 Spike Protein Using an Electrochemical Aptamer-Based Sensor. <i>ACS Sensors</i> , 2021, 6, 3093-3101.	7.8	129
25	Integrated Devices for Non-Invasive Diagnostics. <i>Advanced Functional Materials</i> , 2021, 31, 2010388.	14.9	51
26	Paper-Based Electrophoretic Bioassay: Biosensing in Whole Blood Operating via Smartphone. <i>Analytical Chemistry</i> , 2021, 93, 3112-3121.	6.5	21
27	Attomolar analyte sensing techniques (AttoSens): a review on a decade of progress on chemical and biosensing nanoplatfoms. <i>Chemical Society Reviews</i> , 2021, 50, 13012-13089.	38.1	25
28	Development of a Heavy Metal Sensing Boat for Automatic Analysis in Natural Waters Utilizing Anodic Stripping Voltammetry. <i>ACS ES&T Water</i> , 2021, 1, 2470-2476.	4.6	5
29	Nanodiagnostics to Face SARS-CoV-2 and Future Pandemics: From an Idea to the Market and Beyond. <i>ACS Nano</i> , 2021, 15, 17137-17149.	14.6	32
30	Smart nanobiosensors in agriculture. <i>Nature Food</i> , 2021, 2, 920-921.	14.0	8
31	Selective stamping of laser scribed rGO nanofilms: from sensing to multiple applications. <i>2D Materials</i> , 2020, 7, 024006.	4.4	10
32	Experimental Comparison in Sensing Breast Cancer Mutations by Signal ON and Signal OFF Paper-Based Electroanalytical Strips. <i>Analytical Chemistry</i> , 2020, 92, 1674-1679.	6.5	43
33	Highly Loaded Mildly Edge-Oxidized Graphene Nanosheet Dispersions for Large-Scale Inkjet Printing of Electrochemical Sensors. <i>ChemElectroChem</i> , 2020, 7, 460-468.	3.4	11
34	Nano-lantern on paper for smartphone-based ATP detection. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111902.	10.1	53
35	Tutorial: design and fabrication of nanoparticle-based lateral-flow immunoassays. <i>Nature Protocols</i> , 2020, 15, 3788-3816.	12.0	235
36	Lateral flow assay modified with time-delay wax barriers as a sensitivity and signal enhancement strategy. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112559.	10.1	43

#	ARTICLE	IF	CITATIONS
37	Graphene-based biosensors. <i>2D Materials</i> , 2020, 7, 040401.	4.4	8
38	Recent advancement in biomedical applications on the surface of two-dimensional materials: from biosensing to tissue engineering. <i>Nanoscale</i> , 2020, 12, 19043-19067.	5.6	50
39	Organic-based field effect transistors for protein detection fabricated by inkjet-printing. <i>Organic Electronics</i> , 2020, 84, 105794.	2.6	13
40	Toward Nanotechnology-Enabled Approaches against the COVID-19 Pandemic. <i>ACS Nano</i> , 2020, 14, 6383-6406.	14.6	455
41	Nanoparticle-based lateral flow assays. <i>Comprehensive Analytical Chemistry</i> , 2020, 89, 313-359.	1.3	5
42	Chitin Nanofiber Paper toward Optical (Bio)sensing Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15538-15552.	8.0	64
43	Nanomaterials for Nanotheranostics: Tuning Their Properties According to Disease Needs. <i>ACS Nano</i> , 2020, 14, 2585-2627.	14.6	239
44	Lab in a Tube: Point-of-Care Detection of <i>Escherichia coli</i> . <i>Analytical Chemistry</i> , 2020, 92, 4209-4216.	6.5	50
45	Inkjet-printed electrochemically reduced graphene oxide microelectrode as a platform for HT-2 mycotoxin immunoenzymatic biosensing. <i>Biosensors and Bioelectronics</i> , 2020, 156, 112109.	10.1	44
46	2-dimensional materials-based electrical/optical platforms for smart on-off diagnostics applications. <i>2D Materials</i> , 2020, 7, 032001.	4.4	25
47	Graphene Oxide as an Optical Biosensing Platform: A Progress Report. <i>Advanced Materials</i> , 2019, 31, e1805043.	21.0	117
48	Nanomaterials-based Sensors for the Study of DNA Interaction with Drugs. <i>Electroanalysis</i> , 2019, 31, 1845-1867.	2.9	14
49	Smart Chip for Visual Detection of Bacteria Using the Electrochromic Properties of Polyaniline. <i>Analytical Chemistry</i> , 2019, 91, 14960-14966.	6.5	44
50	Optical-Based (Bio) Sensing Systems Using Magnetic Nanoparticles. <i>Magnetochemistry</i> , 2019, 5, 59.	2.4	19
51	Signal enhancement on gold nanoparticle-based lateral flow tests using cellulose nanofibers. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111407.	10.1	53
52	Disposable Sensors in Diagnostics, Food, and Environmental Monitoring. <i>Advanced Materials</i> , 2019, 31, e1806739.	21.0	540
53	In Situ Plant Virus Nucleic Acid Isothermal Amplification Detection on Gold Nanoparticle-Modified Electrodes. <i>Analytical Chemistry</i> , 2019, 91, 4790-4796.	6.5	35
54	Paper Based Photoluminescent Sensing Platform with Recognition Sites for Tributyltin. <i>ACS Sensors</i> , 2019, 4, 645-653.	7.8	23

#	ARTICLE	IF	CITATIONS
55	Iridium oxide (IV) nanoparticle-based lateral flow immunoassay. <i>Biosensors and Bioelectronics</i> , 2019, 132, 132-135.	10.1	38
56	Electrochemical detection of plant virus using gold nanoparticle-modified electrodes. <i>Analytica Chimica Acta</i> , 2019, 1046, 123-131.	5.4	86
57	Production and printing of graphene oxide foam ink for electrocatalytic applications. <i>Electrochemistry Communications</i> , 2019, 98, 6-9.	4.7	9
58	Iridium oxide (IV) nanoparticle-based electrocatalytic detection of PBDE. <i>Biosensors and Bioelectronics</i> , 2019, 127, 150-154.	10.1	13
59	Fully printed one-step biosensing device using graphene/AuNPs composite. <i>Biosensors and Bioelectronics</i> , 2019, 129, 238-244.	10.1	39
60	Electrochromic Molecular Imprinting Sensor for Visual and Smartphone-Based Detections. <i>Analytical Chemistry</i> , 2018, 90, 5850-5856.	6.5	79
61	In situ monitoring of PTHLH secretion in neuroblastoma cells cultured onto nanoporous membranes. <i>Biosensors and Bioelectronics</i> , 2018, 107, 62-68.	10.1	32
62	Photoluminescent lateral flow based on non-radiative energy transfer for protein detection in human serum. <i>Biosensors and Bioelectronics</i> , 2018, 100, 208-213.	10.1	40
63	Architecting Graphene Oxide Rolled-Up Micromotors: A Simple Paper-Based Manufacturing Technology. <i>Small</i> , 2018, 14, 1702746.	10.0	29
64	Bioluminescent nanopaper for rapid screening of toxic substances. <i>Nano Research</i> , 2018, 11, 114-125.	10.4	11
65	Electrochemical Biosensors: Enzyme Kinetics and Role of Nanomaterials. , 2018, , 140-155.		13
66	Low-Cost Strategy for the Development of a Rapid Electrochemical Assay for Bacteria Detection Based on AuAg Nanoshells. <i>ACS Omega</i> , 2018, 3, 18849-18856.	3.5	31
67	Uranium (VI) detection in groundwater using a gold nanoparticle/paper-based lateral flow device. <i>Scientific Reports</i> , 2018, 8, 16157.	3.3	40
68	Nanomaterial-based devices for point-of-care diagnostic applications. <i>Chemical Society Reviews</i> , 2018, 47, 4697-4709.	38.1	276
69	Design and Fabrication of Printed Paper-Based Hybrid Micro-Supercapacitor by using Graphene and Redox-Active Electrolyte. <i>ChemSusChem</i> , 2018, 11, 1849-1856.	6.8	46
70	Screen-Printed Electroluminescent Lamp Modified with Graphene Oxide as a Sensing Device. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20775-20782.	8.0	20
71	2D Materials-Based Platforms for Electroanalysis Applications. <i>Electroanalysis</i> , 2018, 30, 1271-1280.	2.9	20
72	Microorganism-decorated nanocellulose for efficient diuron removal. <i>Chemical Engineering Journal</i> , 2018, 354, 1083-1091.	12.7	37

#	ARTICLE	IF	CITATIONS
73	Time- and Size-Resolved Plasmonic Evolution with nm Resolution of Galvanic Replacement Reaction in AuAg Nanoshells Synthesis. <i>Chemistry of Materials</i> , 2018, 30, 5098-5107.	6.7	27
74	Tunable electrochemistry of gold-silver alloy nanoshells. <i>Nano Research</i> , 2018, 11, 6336-6345.	10.4	10
75	Toward integrated detection and graphene-based removal of contaminants in a lab-on-a-chip platform. <i>Nano Research</i> , 2017, 10, 2296-2310.	10.4	26
76	Paper strip-embedded graphene quantum dots: a screening device with a smartphone readout. <i>Scientific Reports</i> , 2017, 7, 976.	3.3	63
77	Production of biofunctionalized MoS ₂ flakes with rationally modified lysozyme: a biocompatible 2D hybrid material. <i>2D Materials</i> , 2017, 4, 035007.	4.4	19
78	Nanocellulose in Sensing and Biosensing. <i>Chemistry of Materials</i> , 2017, 29, 5426-5446.	6.7	308
79	Rapid on-chip apoptosis assay on human carcinoma cells based on annexin-V/quantum dot probes. <i>Biosensors and Bioelectronics</i> , 2017, 94, 408-414.	10.1	14
80	Graphene-encapsulated materials: Synthesis, applications and trends. <i>Progress in Materials Science</i> , 2017, 86, 1-24.	32.8	71
81	Nanomaterials connected to antibodies and molecularly imprinted polymers as bio/receptors for bio/sensor applications. <i>Applied Materials Today</i> , 2017, 9, 387-401.	4.3	61
82	Straightforward Immunosensing Platform Based on Graphene Oxide-Decorated Nanopaper: A Highly Sensitive and Fast Biosensing Approach. <i>Advanced Functional Materials</i> , 2017, 27, 1702741.	14.9	66
83	Graphene Oxide-Poly(dimethylsiloxane)-Based Lab-on-a-Chip Platform for Heavy-Metals Preconcentration and Electrochemical Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44766-44775.	8.0	53
84	Magnetic nanoparticle-molecular imprinted polymer: A new impedimetric sensor for tributyltin detection. <i>Electrochemistry Communications</i> , 2017, 82, 6-11.	4.7	37
85	Mobile phone-based biosensing: An emerging diagnostic and communication technology. <i>Biosensors and Bioelectronics</i> , 2017, 92, 549-562.	10.1	214
86	Electrochemically reduced graphene and iridium oxide nanoparticles for inhibition-based angiotensin-converting enzyme inhibitor detection. <i>Biosensors and Bioelectronics</i> , 2017, 88, 122-129.	10.1	43
87	Graphene-based hybrid for enantioselective sensing applications. <i>Biosensors and Bioelectronics</i> , 2017, 87, 410-416.	10.1	62
88	Biosensors for plant pathogen detection. <i>Biosensors and Bioelectronics</i> , 2017, 93, 72-86.	10.1	201
89	Nanomaterials-based enzyme electrochemical biosensors operating through inhibition for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2017, 89, 886-898.	10.1	165
90	Graphene-Based Biosensors: Going Simple. <i>Advanced Materials</i> , 2017, 29, 1604905.	21.0	163

#	ARTICLE	IF	CITATIONS
91	Nanomaterials-Based Platforms for Environmental Monitoring. <i>Comprehensive Analytical Chemistry</i> , 2017, , 207-236.	1.3	4
92	Recent Trends in Nanomaterials Integration into Simple Biosensing Platforms. , 2017, , 389-406.		0
93	Enhanced detection of quantum dots labeled protein by simultaneous bismuth electrodeposition into microfluidic channel. <i>Electrophoresis</i> , 2016, 37, 432-437.	2.4	23
94	Magnetic Bead/Gold Nanoparticle Double-Labeled Primers for Electrochemical Detection of Isothermal Amplified <i>Leishmania</i> DNA. <i>Small</i> , 2016, 12, 205-213.	10.0	70
95	Control of Electron Transfer in Immunonanosensors by Using Polyclonal and Monoclonal Antibodies. <i>Electroanalysis</i> , 2016, 28, 1795-1802.	2.9	4
96	Nanobiosensors in diagnostics. <i>Nanobiomedicine</i> , 2016, 3, 184954351666357.	5.7	63
97	Molecularly Imprinted Polymer-Decorated Magnetite Nanoparticles for Selective Sulfonamide Detection. <i>Analytical Chemistry</i> , 2016, 88, 3578-3584.	6.5	137
98	Ferrocene-functionalized graphene electrode for biosensing applications. <i>Analytica Chimica Acta</i> , 2016, 926, 28-35.	5.4	50
99	Emerging Nanomaterials for Analytical Detection. <i>Comprehensive Analytical Chemistry</i> , 2016, 74, 195-246.	1.3	10
100	High-performance sensor based on copper oxide nanoparticles for dual detection of phenolic compounds and a pesticide. <i>Electrochemistry Communications</i> , 2016, 71, 33-37.	4.7	42
101	Bio(Sensing) devices based on ferrocene-functionalized graphene and carbon nanotubes. <i>Carbon</i> , 2016, 108, 481-514.	10.3	118
102	Paper-based sensors and assays: a success of the engineering design and the convergence of knowledge areas. <i>Lab on A Chip</i> , 2016, 16, 3150-3176.	6.0	192
103	Graphene-based Janus micromotors for the dynamic removal of pollutants. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3371-3378.	10.3	112
104	Electrocatalytic Detection: Magnetic Bead/Gold Nanoparticle Double-Labeled Primers for Electrochemical Detection of Isothermal Amplified <i>Leishmania</i> DNA (<i>Small</i> 2/2016). <i>Small</i> , 2016, 12, 204-204.	10.0	2
105	Modulation of population density and size of silver nanoparticles embedded in bacterial cellulose via ammonia exposure: visual detection of volatile compounds in a piece of plasmonic nanopaper. <i>Nanoscale</i> , 2016, 8, 7984-7991.	5.6	62
106	Water Activated Graphene Oxide Transfer Using Wax Printed Membranes for Fast Patterning of a Touch Sensitive Device. <i>ACS Nano</i> , 2016, 10, 853-860.	14.6	27
107	Nanochannels for electrical biosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 134-150.	11.4	42
108	Detection of parathyroid hormone-like hormone in cancer cell cultures by gold nanoparticle-based lateral flow immunoassays. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 53-61.	3.3	27

#	ARTICLE	IF	CITATIONS
109	Microfluidic platform for environmental contaminants sensing and degradation based on boron-doped diamond electrodes. <i>Biosensors and Bioelectronics</i> , 2016, 75, 365-374.	10.1	71
110	Magnetic Enzymatic Platform for Organophosphate Pesticide Detection Using Boron-doped Diamond Electrodes. <i>Analytical Sciences</i> , 2015, 31, 1061-1068.	1.6	14
111	Bismuth nanoparticles integration into heavy metal electrochemical stripping sensor. <i>Electrophoresis</i> , 2015, 36, 1872-1879.	2.4	35
112	On-chip Spot Immobilization of Quantum Dots, Graphene Oxide, and Proteins via Hydrophobins. <i>Advanced Functional Materials</i> , 2015, 25, 6084-6092.	14.9	28
113	Hybrid Self-Assembled Materials Constituted by Ferromagnetic Nanoparticles and Tannic Acid: a Theoretical and Experimental Investigation. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	13
114	Nanoparticle-based lateral flow biosensors. <i>Biosensors and Bioelectronics</i> , 2015, 73, 47-63.	10.1	472
115	Annexin-V/quantum dot probes for multimodal apoptosis monitoring in living cells: improving bioanalysis using electrochemistry. <i>Nanoscale</i> , 2015, 7, 4097-4104.	5.6	17
116	Photoluminescent Lateral-Flow Immunoassay Revealed by Graphene Oxide: Highly Sensitive Paper-Based Pathogen Detection. <i>Analytical Chemistry</i> , 2015, 87, 8573-8577.	6.5	155
117	An iridium oxide nanoparticle and polythionine thin film based platform for sensitive Leishmania DNA detection. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5166-5171.	5.8	29
118	Nanopaper as an Optical Sensing Platform. <i>ACS Nano</i> , 2015, 9, 7296-7305.	14.6	204
119	Microfluidic Electrochemical Biosensors: Fabrication and Applications. , 2015, , 141-160.		4
120	Nanoparticle/Nanochannels-Based Electrochemical Biosensors. <i>Nanoscience and Technology</i> , 2015, , 205-223.	1.5	1
121	Label-Free Impedimetric Aptasensor for Ochratoxin-A Detection Using Iridium Oxide Nanoparticles. <i>Analytical Chemistry</i> , 2015, 87, 5167-5172.	6.5	208
122	In Situ Production of Biofunctionalized Few-Layer Defect-Free Microsheets of Graphene. <i>Advanced Functional Materials</i> , 2015, 25, 2771-2779.	14.9	63
123	Eco-friendly electrochemical lab-on-paper for heavy metal detection. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8445-8449.	3.7	70
124	Micro and nanomotors in diagnostics. <i>Advanced Drug Delivery Reviews</i> , 2015, 95, 104-116.	13.7	125
125	A DNA Aptasensor for Electrochemical Detection of Vascular Endothelial Growth Factor. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 3411-3416.	0.9	35
126	Triple lines gold nanoparticle-based lateral flow assay for enhanced and simultaneous detection of Leishmania DNA and endogenous control. <i>Nano Research</i> , 2015, 8, 3704-3714.	10.4	66

#	ARTICLE	IF	CITATIONS
127	Graphene Quantum Dots-based Photoluminescent Sensor: A Multifunctional Composite for Pesticide Detection. ACS Applied Materials & Interfaces, 2015, 7, 20272-20279.	8.0	121
128	Protein and DNA Electrochemical Sensing Using Anodized Aluminum Oxide Nanochannel Arrays. Springer Series in Materials Science, 2015, , 271-291.	0.6	4
129	Highly sensitive and rapid determination of Escherichia coli O157:H7 in minced beef and water using electrocatalytic gold nanoparticle tags. Biosensors and Bioelectronics, 2015, 67, 511-515.	10.1	80
130	Nanoparticles-based nanochannels assembled on a plastic flexible substrate for label-free immunosensing. Nano Research, 2015, 8, 1180-1188.	10.4	27
131	Antithyroid drug detection using an enzyme cascade blocking in a nanoparticle-based lab-on-a-chip system. Biosensors and Bioelectronics, 2015, 67, 670-676.	10.1	39
132	Electrochemical Impedance Spectroscopy (bio)sensing through hydrogen evolution reaction induced by gold nanoparticles. Biosensors and Bioelectronics, 2015, 67, 53-58.	10.1	27
133	Lab-in-a-syringe using gold nanoparticles for rapid immunosensing of protein biomarkers. Lab on A Chip, 2015, 15, 399-405.	6.0	48
134	Alzheimer's disease biomarkers detection in human samples by efficient capturing through porous magnetic microspheres and labelling with electrocatalytic gold nanoparticles. Biosensors and Bioelectronics, 2015, 67, 162-169.	10.1	70
135	Nanochannel array device operating through Prussian blue nanoparticles for sensitive label-free immunodetection of a cancer biomarker. Biosensors and Bioelectronics, 2015, 67, 107-114.	10.1	45
136	Medical Nanobiosensors. Nanostructure Science and Technology, 2014, , 117-143.	0.1	1
137	On-chip magneto-immunoassay for Alzheimer's biomarker electrochemical detection by using quantum dots as labels. Biosensors and Bioelectronics, 2014, 54, 279-284.	10.1	97
138	Alzheimer Disease Biomarker Detection Through Electrocatalytic Water Oxidation Induced by Iridium Oxide Nanoparticles. Electroanalysis, 2014, 26, 1287-1294.	2.9	37
139	Supramolecular interaction of dopamine with β -cyclodextrin: An experimental and theoretical electrochemical study. Journal of Electroanalytical Chemistry, 2014, 717-718, 103-109.	3.8	28
140	Extremely fast and high Pb ²⁺ removal capacity using a nanostructured hybrid material. Journal of Materials Chemistry A, 2014, 2, 8766.	10.3	24
141	Iridium oxide nanoparticle induced dual catalytic/inhibition based detection of phenol and pesticide compounds. Journal of Materials Chemistry B, 2014, 2, 2233-2239.	5.8	45
142	Nano/Micromotors in (Bio)chemical Science Applications. Chemical Reviews, 2014, 114, 6285-6322.	47.7	465
143	An integrated phenol sensor removal TM microfluidic nanostructured platform. Biosensors and Bioelectronics, 2014, 55, 355-359.	10.1	12
144	Lateral Flow Biosensors Based on Gold Nanoparticles. Comprehensive Analytical Chemistry, 2014, 66, 569-605.	1.3	6

#	ARTICLE	IF	CITATIONS
145	Electroanalysis-Based Clinical Diagnostics. <i>Electroanalysis</i> , 2014, 26, 1110-1110.	2.9	2
146	An Inkjet-Printed Field-Effect Transistor for Label-Free Biosensing. <i>Advanced Functional Materials</i> , 2014, 24, 6291-6302.	14.9	63
147	Micromotor Enhanced Microarray Technology for Protein Detection. <i>Small</i> , 2014, 10, 2542-2548.	10.0	105
148	Simple On-Plastic/Paper Inkjet-Printed Solid-State Ag/AgCl Pseudoreference Electrode. <i>Analytical Chemistry</i> , 2014, 86, 10531-10534.	6.5	82
149	Graphene/Silicon Heterojunction Schottky Diode for Vapors Sensing Using Impedance Spectroscopy. <i>Small</i> , 2014, 10, 4193-4199.	10.0	33
150	Improving sensitivity of gold nanoparticle-based lateral flow assays by using wax-printed pillars as delay barriers of microfluidics. <i>Lab on A Chip</i> , 2014, 14, 4406-4414.	6.0	160
151	Electrocatalytic tuning of biosensing response through electrostatic or hydrophobic enzyme-graphene oxide interactions. <i>Biosensors and Bioelectronics</i> , 2014, 61, 655-662.	10.1	42
152	Nanoparticles for DNA, Protein, and Cell Electrochemical Detection. , 2014, , 209-241.		0
153	Application of Nanomaterials for DNA Sensing. <i>Nucleic Acids and Molecular Biology</i> , 2014, , 305-332.	0.2	4
154	Nanostructured CaCO ₃ -poly(ethyleneimine) microparticles for phenol sensing in fluidic microsystem. <i>Electrophoresis</i> , 2013, 34, 2011-2016.	2.4	14
155	Nanomaterials for bio-functionalized electrodes: recent trends. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4878.	5.8	302
156	Paper-Based Electrodes for Nanoparticles Detection. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 662-666.	2.3	18
157	Design, Preparation, and Evaluation of a Fixed-Orientation Antibody/Gold-Nanoparticle Conjugate as an Immunosensing Label. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10753-10759.	8.0	89
158	All-Integrated and Highly Sensitive Paper Based Device with Sample Treatment Platform for Cd ²⁺ Immunodetection in Drinking/Tap Waters. <i>Analytical Chemistry</i> , 2013, 85, 3532-3538.	6.5	136
159	Screen-printed electrodes incorporated in a flow system for the decentralized monitoring of lead, cadmium and copper in natural and wastewater samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 872-883.	3.3	4
160	Deprotonation Mechanism and Acidity Constants in Aqueous Solution of Flavonols: a Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12347-12359.	2.6	99
161	Multifunctional system based on hybrid nanostructured rod formation, for sensor removal applications of Pb ²⁺ as a model toxic metal. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13532.	10.3	9
162	Enhanced lateral flow immunoassay using gold nanoparticles loaded with enzymes. <i>Biosensors and Bioelectronics</i> , 2013, 40, 412-416.	10.1	263

#	ARTICLE	IF	CITATIONS
163	Paper-based nanobiosensors for diagnostics. <i>Chemical Society Reviews</i> , 2013, 42, 450-457.	38.1	481
164	Bismuth nanoparticles for phenolic compounds biosensing application. <i>Biosensors and Bioelectronics</i> , 2013, 40, 57-62.	10.1	89
165	Simple paper architecture modifications lead to enhanced sensitivity in nanoparticle based lateral flow immunoassays. <i>Lab on A Chip</i> , 2013, 13, 386-390.	6.0	111
166	Nanoparticles Based Electroanalysis in Diagnostics Applications. <i>Electroanalysis</i> , 2013, 25, 15-27.	2.9	25
167	Micromotor-based lab-on-chip immunoassays. <i>Nanoscale</i> , 2013, 5, 1325-1331.	5.6	146
168	Assembly of Gold Nanorods for Highly Sensitive Detection of Mercury Ions. <i>IEEE Sensors Journal</i> , 2013, 13, 2834-2841.	4.7	12
169	High sensitive gold-nanoparticle based lateral flow Immunodevice for Cd ²⁺ detection in drinking waters. <i>Biosensors and Bioelectronics</i> , 2013, 47, 190-198.	10.1	108
170	Gold nanoparticles decorated with a ferrocene derivative as a potential shift-based transducing system of interest for sensitive immunosensing. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2951.	5.8	23
171	Ion-Directed Assembly of Gold Nanorods: A Strategy for Mercury Detection. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1084-1092.	8.0	58
172	Nanochannels for diagnostic of thrombin-related diseases in human blood. <i>Biosensors and Bioelectronics</i> , 2013, 40, 24-31.	10.1	80
173	Electrochemical detection of Salmonella using gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2013, 40, 121-126.	10.1	142
174	Casein modified gold nanoparticles for future theranostic applications. <i>Biosensors and Bioelectronics</i> , 2013, 40, 271-276.	10.1	25
175	Graphene Oxide as a Pathogen-Revealing Agent: Sensing with a Digital-Like Response. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13779-13783.	13.8	56
176	Nano-Assembled Supramolecular Films from Chitosan-Stabilized Gold Nanoparticles and Cobalt(II) Phthalocyanine. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	3
177	Nanomaterials application in electrochemical detection of heavy metals. <i>Electrochimica Acta</i> , 2012, 84, 49-61.	5.2	321
178	Electrochemical Detection of DNA Using Nanomaterials Based Sensors. <i>Soft and Biological Matter</i> , 2012, , 185-201.	0.3	0
179	Controlled formation of nanostructured CaCO ₃ @PEI microparticles with high biofunctionalizing capacity. <i>Journal of Materials Chemistry</i> , 2012, 22, 15326.	6.7	33
180	Medium Dependent Dual Turn-On/Turn-Off Fluorescence System for Heavy Metal Ions Sensing. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1987-1994.	3.1	15

#	ARTICLE	IF	CITATIONS
181	Signal Enhancement in Antibody Microarrays Using Quantum Dots Nanocrystals: Application to Potential Alzheimer's Disease Biomarker Screening. <i>Analytical Chemistry</i> , 2012, 84, 6821-6827.	6.5	64
182	Carbon nanotubes and graphene in analytical sciences. <i>Mikrochimica Acta</i> , 2012, 179, 1-16.	5.0	204
183	Nanomaterials for Sensing and Destroying Pesticides. <i>Chemical Reviews</i> , 2012, 112, 5317-5338.	47.7	461
184	Nanochannels Preparation and Application in Biosensing. <i>ACS Nano</i> , 2012, 6, 7556-7583.	14.6	184
185	Cancer detection using nanoparticle-based sensors. <i>Chemical Society Reviews</i> , 2012, 41, 2606-2622.	38.1	320
186	Superhydrophobic Alkanethiol-Coated Microsubmarines for Effective Removal of Oil. <i>ACS Nano</i> , 2012, 6, 4445-4451.	14.6	371
187	Detection of Circulating Cancer Cells Using Electrocatalytic Gold Nanoparticles. <i>Small</i> , 2012, 8, 3605-3612.	10.0	57
188	Nanomaterials-Based (Bio)Sensing Systems for Safety and Security Applications. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2012, , 43-61.	0.5	0
189	Nanomaterials and lab-on-a-chip technologies. <i>Lab on A Chip</i> , 2012, 12, 1932.	6.0	142
190	Assembly of gold nanorods for highly sensitive detection of heavy metals. , 2012, , .		0
191	Bacterial Isolation by Lectin-Modified Microengines. <i>Nano Letters</i> , 2012, 12, 396-401.	9.1	300
192	Rapid and highly sensitive detection of mercury ions using a fluorescence-based paper test strip with an N-alkylaminopyrazole ligand as a receptor. <i>Journal of Materials Chemistry</i> , 2012, 22, 5978.	6.7	47
193	The Use of Quantum Dots for Immunochemistry Applications. , 2012, 906, 185-192.		6
194	On-chip electrochemical detection of CdS quantum dots using normal and multiple recycling flow through modes. <i>Lab on A Chip</i> , 2012, 12, 2000.	6.0	27
195	Bimetallic nanowires as electrocatalysts for nonenzymatic real-time impedancimetric detection of glucose. <i>Chemical Communications</i> , 2012, 48, 1686-1688.	4.1	64
196	Simple Monitoring of Cancer Cells Using Nanoparticles. <i>Nano Letters</i> , 2012, 12, 4164-4171.	9.1	94
197	Graphene Oxide as an Optical Biosensing Platform. <i>Advanced Materials</i> , 2012, 24, 3298-3308.	21.0	444
198	Simple Förster resonance energy transfer evidence for the ultrahigh quantum dot quenching efficiency by graphene oxide compared to other carbon structures. <i>Carbon</i> , 2012, 50, 2987-2993.	10.3	103

#	ARTICLE	IF	CITATIONS
199	Nanomaterials Based Electrochemical Sensing Applications for Safety and Security. <i>Electroanalysis</i> , 2012, 24, 459-469.	2.9	62
200	Recent Trends in Macro-, Micro-, and Nanomaterial-Based Tools and Strategies for Heavy-Metal Detection. <i>Chemical Reviews</i> , 2011, 111, 3433-3458.	47.7	1,184
201	Enhanced electrochemical detection of heavy metals at heated graphite nanoparticle-based screen-printed electrodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 4326.	6.7	122
202	Variable behaviour of flexible N,O-mixed pyrazole ligand towards Zn(ii), Cd(ii) and Hg(ii) ions. Synthesis, crystal structure and fluorescent properties. <i>CrystEngComm</i> , 2011, 13, 6457.	2.6	25
203	Nanomaterials based biosensors for food analysis applications. <i>Trends in Food Science and Technology</i> , 2011, 22, 625-639.	15.1	216
204	Electrochemical Investigation of Cellular Uptake of Quantum Dots Decorated with a Proline-Rich Cell Penetrating Peptide. <i>Bioconjugate Chemistry</i> , 2011, 22, 180-185.	3.6	13
205	Nanoparticles for the development of improved (bio)sensing systems. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1577-1590.	3.7	86
206	A Nanochannel/Nanoparticle-Based Filtering and Sensing Platform for Direct Detection of a Cancer Biomarker in Blood. <i>Small</i> , 2011, 7, 675-682.	10.0	136
207	Magnetic Nanoparticles Modified with Carbon Nanotubes for Electrocatalytic Magnetoswitchable Biosensing Applications. <i>Advanced Functional Materials</i> , 2011, 21, 255-260.	14.9	61
208	Magnetic and electrokinetic manipulations on a microchip device for bead-based immunosensing applications. <i>Electrophoresis</i> , 2011, 32, 861-869.	2.4	17
209	Study on the Supramolecular Interaction of Dopamine with Carbon Nanotubes and β -Cyclodextrin Immobilized over a Carbon Paste Electrode. <i>ECS Transactions</i> , 2011, 36, 471-481.	0.5	3
210	Supramolecular Systems Construction for the Selective Quantitative Determination of Dopamine in the Presence of Ascorbic Acid. <i>ECS Transactions</i> , 2011, 36, 385-392.	0.5	1
211	Electrochemical Study of the Formation of Surface Inclusion Complex of Ascorbic Acid with Immobilized β -Cyclodextrin and Carbon Nanotubes over a Carbon Paste Electrode. <i>ECS Transactions</i> , 2011, 36, 431-438.	0.5	1
212	Gold nanoparticle-based electrochemical magnetoimmunosensor for rapid detection of anti-hepatitis B virus antibodies in human serum. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1710-1714.	10.1	89
213	Use of Sequential Injection Analysis to construct a potentiometric electronic tongue: Application to the multidetermination of heavy metals. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 420-426.	7.8	47
214	Bismuth Film Combined with Screen-Printed Electrode as Biosensing Platform for Phenol Detection. <i>Electroanalysis</i> , 2010, 22, 1429-1436.	2.9	31
215	Label-free voltammetric immunosensor using a nanoporous membrane based platform. <i>Electrochemistry Communications</i> , 2010, 12, 859-863.	4.7	52
216	Electrochemical quantification of gold nanoparticles based on their catalytic properties toward hydrogen formation: Application in magnetoimmunoassays. <i>Electrochemistry Communications</i> , 2010, 12, 1501-1504.	4.7	39

#	ARTICLE	IF	CITATIONS
217	Nanoparticles-based strategies for DNA, protein and cell sensors. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1164-1177.	10.1	131
218	Aptamers based electrochemical biosensor for protein detection using carbon nanotubes platforms. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1715-1718.	10.1	92
219	Enzyme entrapment by β -cyclodextrin electropolymerization onto a carbon nanotubes-modified screen-printed electrode. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1768-1773.	10.1	52
220	Immunosensing using nanoparticles. <i>Materials Today</i> , 2010, 13, 24-34.	14.2	131
221	Stable and sensitive flow-through monitoring of phenol using a carbon nanotube based screen printed biosensor. <i>Nanotechnology</i> , 2010, 21, 245502.	2.6	15
222	Enhanced Gold Nanoparticle Based ELISA for a Breast Cancer Biomarker. <i>Analytical Chemistry</i> , 2010, 82, 1151-1156.	6.5	345
223	Aminopyrazole-Based Ligand Induces Gold Nanoparticle Formation and Remains Available for Heavy Metal Ions Sensing. A Simple "Mix and Detect" Approach. <i>Langmuir</i> , 2010, 26, 10165-10170.	3.5	39
224	Surface Characterizations of Mercury-Based Electrodes with the Resulting Micro and Nano Amalgam Wires and Spheres Formations May Reveal Both Gained Sensitivity and Faced Nonstability in Heavy Metal Detection. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9049-9055.	3.1	38
225	Compact microcubic structures platform based on self-assembly Prussian blue nanoparticles with highly tuneable conductivity. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 15505.	2.8	13
226	Electrochemical detection of proteins using nanoparticles: applications to diagnostics. <i>Expert Opinion on Medical Diagnostics</i> , 2010, 4, 21-37.	1.6	43
227	Structural characterization by confocal laser scanning microscopy and electrochemical study of multi-walled carbon nanotube tyrosinase matrix for phenol detection. <i>Analyst</i> , The, 2010, 135, 1918.	3.5	25
228	Direct electrochemical stripping detection of cystic-fibrosis-related DNA linked through cadmium sulfide quantum dots. <i>Nanotechnology</i> , 2009, 20, 055101.	2.6	62
229	Use of Sequential Injection Analysis to construct a Potentiometric Electronic Tongue: Application to the Multidetermination of Heavy Metals. , 2009, , .		1
230	Permeability Improvement of Electropolymerized Polypyrrole Films in Water Using Magnetic Hydrophilic Microbeads. <i>Electroanalysis</i> , 2009, 21, 887-890.	2.9	1
231	ICP-MS: a powerful technique for quantitative determination of gold nanoparticles without previous dissolving. <i>Journal of Nanoparticle Research</i> , 2009, 11, 2003-2011.	1.9	102
232	Controlling the electrochemical deposition of silver onto gold nanoparticles: Reducing interferences and increasing the sensitivity of magnetoimmuno assays. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2475-2482.	10.1	67
233	Improvement of the electrochemical detection of catechol by the use of a carbon nanotube based biosensor. <i>Analyst</i> , The, 2009, 134, 60-64.	3.5	97
234	Rapid Identification and Quantification of Tumor Cells Using an Electrocatalytic Method Based on Gold Nanoparticles. <i>Analytical Chemistry</i> , 2009, 81, 10268-10274.	6.5	100

#	ARTICLE	IF	CITATIONS
235	Lab-on-a-chip for ultrasensitive detection of carbofuran by enzymatic inhibition with replacement of enzyme using magnetic beads. <i>Lab on A Chip</i> , 2009, 9, 213-218.	6.0	58
236	Electrochemical Immunosensing Using Micro and Nanoparticles. <i>Methods in Molecular Biology</i> , 2009, 504, 145-155.	0.9	4
237	Electrochemical Detection of DNA Hybridization Using Micro and Nanoparticles. <i>Methods in Molecular Biology</i> , 2009, 504, 127-143.	0.9	8
238	Multivariate Calibration Model for a Voltammetric Electronic Tongue Based on a Multiple Output Wavelet Neural Network. <i>Studies in Computational Intelligence</i> , 2009, , 137-167.	0.9	1
239	Silver, gold and the corresponding core shell nanoparticles: synthesis and characterization. <i>Journal of Nanoparticle Research</i> , 2008, 10, 97-106.	1.9	37
240	The usage of a bismuth film electrode as transducer in glucose biosensing. <i>Mikrochimica Acta</i> , 2008, 160, 269-273.	5.0	28
241	A Carbon Nanotube PVC Based Matrix Modified with Glutaraldehyde Suitable for Biosensor Applications. <i>Electroanalysis</i> , 2008, 20, 603-610.	2.9	25
242	Enhanced host-guest electrochemical recognition of dopamine using cyclodextrin in the presence of carbon nanotubes. <i>Carbon</i> , 2008, 46, 898-906.	10.3	146
243	Sensitive and stable monitoring of lead and cadmium in seawater using screen-printed electrode and electrochemical stripping analysis. <i>Analytica Chimica Acta</i> , 2008, 627, 219-224.	5.4	98
244	Electrochemical analysis with nanoparticle-based biosystems. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 568-584.	11.4	104
245	Electrochemical Study of Dopamine and Ascorbic Acid by Means of Supramolecular Systems. <i>ECS Transactions</i> , 2008, 15, 325-334.	0.5	3
246	Networked Biomedical System for Ubiquitous Health Monitoring. <i>Mobile Information Systems</i> , 2008, 4, 211-218.	0.6	9
247	Dopamine Detection using an Electrode Modified with Carbon Nanotubes. <i>ECS Transactions</i> , 2007, 3, 77-80.	0.5	1
248	Procedure 7 Determination of lead and cadmium in tap water and soils by stripping analysis using mercury-free graphite-epoxy composite electrodes. <i>Comprehensive Analytical Chemistry</i> , 2007, , e47-e52.	1.3	3
249	Chapter 7 Graphite-epoxy electrodes for stripping analysis. <i>Comprehensive Analytical Chemistry</i> , 2007, , 143-161.	1.3	8
250	Chapter 35 Microchip electrophoresis/electrochemistry systems for analysis of nitroaromatic explosives. <i>Comprehensive Analytical Chemistry</i> , 2007, , 873-884.	1.3	2
251	Procedure 53 DNA analysis by using gold nanoparticle as labels. <i>Comprehensive Analytical Chemistry</i> , 2007, , e381-e388.	1.3	0
252	Procedure 49 Analysis of nitroaromatic explosives with microchip electrophoresis using a graphite-epoxy composite detector. <i>Comprehensive Analytical Chemistry</i> , 2007, , e351-e355.	1.3	0

#	ARTICLE	IF	CITATIONS
253	Carbon nanofiber vs. carbon microparticles as modifiers of glassy carbon and gold electrodes applied in electrochemical sensing of NADH. <i>Talanta</i> , 2007, 74, 398-404.	5.5	19
254	Detection of cadmium sulphide nanoparticles by using screen-printed electrodes and a handheld device. <i>Nanotechnology</i> , 2007, 18, 035502.	2.6	36
255	Chapter 38 Gold nanoparticles in DNA and protein analysis. <i>Comprehensive Analytical Chemistry</i> , 2007, , 941-958.	1.3	0
256	Double-Codified Gold Nanolabels for Enhanced Immunoanalysis. <i>Analytical Chemistry</i> , 2007, 79, 5232-5240.	6.5	354
257	Electrochemical Sensing of DNA Using Gold Nanoparticles. <i>Electroanalysis</i> , 2007, 19, 743-753.	2.9	194
258	Carbon Nanotube Composite as Novel Platform for Microbial Biosensor. <i>Electroanalysis</i> , 2007, 19, 893-898.	2.9	41
259	Nanobiomaterials in Electroanalysis. <i>Electroanalysis</i> , 2007, 19, 739-741.	2.9	61
260	Carbon nanotube detectors for microchip CE: Comparative study of single-wall and multiwall carbon nanotube, and graphite powder films on glassy carbon, gold, and platinum electrode surfaces. <i>Electrophoresis</i> , 2007, 28, 1274-1280.	2.4	62
261	Electrochemical biosensing with nanoparticles. <i>FEBS Journal</i> , 2007, 274, 310-316.	4.7	102
262	Electrochemical genosensors for biomedical applications based on gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1961-1967.	10.1	143
263	Crystal and electrochemical properties of water dispersed CdS nanocrystals obtained via reverse micelles and arrested precipitation. <i>Nanotechnology</i> , 2006, 17, 2553-2559.	2.6	18
264	A biosensor based on graphite epoxy composite electrode for aspartame and ethanol detection. <i>Analytica Chimica Acta</i> , 2006, 570, 165-169.	5.4	42
265	Graphite epoxy composite electrodes modified with bacterial cells. <i>Bioelectrochemistry</i> , 2006, 69, 128-131.	4.6	26
266	Application of the wavelet transform coupled with artificial neural networks for quantification purposes in a voltammetric electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 487-499.	7.8	81
267	Carbon nanotube-epoxy composites for electrochemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 617-622.	7.8	179
268	New materials for electrochemical sensing VII. Microfluidic chip platforms. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 219-235.	11.4	129
269	Microchip Capillary Electrophoresis with a Single-Wall Carbon Nanotube/Gold Electrochemical Detector for Determination of Aminophenols and Neurotransmitters. <i>Mikrochimica Acta</i> , 2006, 152, 261-265.	5.0	55
270	Carbon Nanotubes in Analytical Sciences. <i>Mikrochimica Acta</i> , 2006, 152, 157-174.	5.0	245

#	ARTICLE	IF	CITATIONS
271	Carbon Nanotubes: Exciting New Materials for Microanalysis and Sensing. <i>Mikrochimica Acta</i> , 2006, 152, 155-156.	5.0	31
272	Microchip Capillary Electrophoresis-Electrochemistry with Rigid Graphite-Epoxy Composite Detector. <i>Electroanalysis</i> , 2006, 18, 207-210.	2.9	13
273	Microchip electrophoresis with wall-jet electrochemical detector: Influence of detection potential upon resolution of solutes. <i>Electrophoresis</i> , 2006, 27, 5068-5072.	2.4	16
274	Integration of a glucose biosensor based on an epoxy-graphite-TTF-TCNQ-GOD biocomposite into a FIA system. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 742-748.	7.8	29
275	Direct voltammetric determination of gold nanoparticles using graphite-epoxy composite electrode. <i>Electrochimica Acta</i> , 2005, 50, 3702-3707.	5.2	97
276	New materials for electrochemical sensing V: Nanoparticles for DNA labeling. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 341-349.	11.4	73
277	New materials for electrochemical sensing VI: Carbon nanotubes. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 826-838.	11.4	626
278	Resistance to Surfactant and Protein Fouling Effects at Conducting Diamond Electrodes. <i>Electroanalysis</i> , 2005, 17, 305-311.	2.9	49
279	Stripping Voltammetry with Bismuth Modified Graphite-Epoxy Composite Electrodes. <i>Electroanalysis</i> , 2005, 17, 881-886.	2.9	49
280	Amino Acid Determination Using Screen-Printed Electrochemical Sensors. <i>Mikrochimica Acta</i> , 2005, 150, 233-238.	5.0	38
281	Glucose Biosensor Based on Carbon Nanotube Epoxy Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 1694-1698.	0.9	62
282	Toward an ICPMS-Linked DNA Assay Based on Gold Nanoparticles Immunoconnected through Peptide Sequences. <i>Analytical Chemistry</i> , 2005, 77, 6500-6503.	6.5	66
283	Sensitive stripping voltammetry of heavy metals by using a composite sensor based on a built-in bismuth precursor. <i>Analyst, The</i> , 2005, 130, 971.	3.5	52
284	Data Compression for a Voltammetric Electronic Tongue Modelled with Artificial Neural Networks. <i>Analytical Letters</i> , 2005, 38, 2189-2206.	1.8	50
285	Magnetically Triggred Direct Electrochemical Detection of DNA Hybridization Using Au67Quantum Dot as Electrical Tracer. <i>Langmuir</i> , 2005, 21, 9625-9629.	3.5	133
286	Application of Graphite-Epoxy Composite Electrodes in Differential Pulse Anodic Stripping Voltammetry of Heavy Metals. <i>Mikrochimica Acta</i> , 2004, 147, 245.	5.0	19
287	Oil dispersion of AgI/Ag ₂ S salts as a new electroactive material for potentiometric sensing of iodide and cyanide. <i>Sensors and Actuators B: Chemical</i> , 2004, 101, 57-62.	7.8	21
288	Analysis of amino acids in complex samples by using voltammetry and multivariate calibration methods. <i>Analytica Chimica Acta</i> , 2004, 507, 247-253.	5.4	40

#	ARTICLE	IF	CITATIONS
289	PCR-Genosensor Rapid Test for Detecting Salmonella. <i>Electroanalysis</i> , 2003, 15, 1815-1823.	2.9	36
290	Composite and Biocomposite Materials for Electrochemical Sensing. <i>ChemInform</i> , 2003, 34, no.	0.0	1
291	Graphite-epoxy composite as an alternative material to design mercury free working electrodes for stripping voltammetry. <i>Electrochimica Acta</i> , 2003, 48, 2599-2605.	5.2	37
292	Particle-based detection of DNA hybridization using electrochemical stripping measurements of an iron tracer. <i>Analytica Chimica Acta</i> , 2003, 482, 149-155.	5.4	82
293	Rapid electrochemical genosensor assay using a streptavidin carbon-polymer biocomposite electrode. <i>Biosensors and Bioelectronics</i> , 2003, 19, 165-175.	10.1	49
294	Graphite-epoxy composites as a new transducing material for electrochemical genosensing. <i>Biosensors and Bioelectronics</i> , 2003, 19, 473-484.	10.1	59
295	Determination of Toxic Substances Based on Enzyme Inhibition. Part I. Electrochemical Biosensors for the Determination of Pesticides Using Batch Procedures. <i>Critical Reviews in Analytical Chemistry</i> , 2003, 33, 89-126.	3.5	72
296	Electroactive Beads for Ultrasensitive DNA Detection. <i>Langmuir</i> , 2003, 19, 989-991.	3.5	144
297	Determination of Toxic Substances Based on Enzyme Inhibition. Part II. Electrochemical Biosensors for the Determination of Pesticides Using Flow Systems. <i>Critical Reviews in Analytical Chemistry</i> , 2003, 33, 127-143.	3.5	49
298	Electrochemical Coding Technology for Simultaneous Detection of Multiple DNA Targets. <i>Journal of the American Chemical Society</i> , 2003, 125, 3214-3215.	13.7	620
299	Chapter 8 Composite and biocomposite materials for electrochemical sensing. <i>Comprehensive Analytical Chemistry</i> , 2003, , 377-411.	1.3	3
300	Mercury-Free PSA of Heavy Metals Using Graphite-Epoxy Composite Electrodes. <i>Electroanalysis</i> , 2002, 14, 1281-1287.	2.9	21
301	Electrochemical stripping detection of DNA hybridization based on cadmium sulfide nanoparticle tags. <i>Electrochemistry Communications</i> , 2002, 4, 722-726.	4.7	166
302	Low-potential stable NADH detection at carbon-nanotube-modified glassy carbon electrodes. <i>Electrochemistry Communications</i> , 2002, 4, 743-746.	4.7	1,055
303	New materials for electrochemical sensing IV. Molecular imprinted polymers. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 717-725.	11.4	122
304	Dot-blot amperometric genosensor for detecting a novel determinant of β -lactamase resistance in <i>Staphylococcus aureus</i> . <i>Analyst</i> , 2001, 126, 1551-1557.	3.5	36
305	New materials for electrochemical sensing III. Beads. <i>TrAC - Trends in Analytical Chemistry</i> , 2001, 20, 102-110.	11.4	65
306	Thick-film biosensors for pesticides produced by screen-printing of graphite-epoxy composite and biocomposite pastes. <i>Sensors and Actuators B: Chemical</i> , 2001, 79, 48-57.	7.8	33

#	ARTICLE	IF	CITATIONS
307	Classical dot blot format implemented as an amperometric hybridisation genosensor. <i>Biosensors and Bioelectronics</i> , 2001, 16, 1133-1142.	10.1	38
308	Pesticide determination in tap water and juice samples using disposable amperometric biosensors made using thick-film technology. <i>Analytica Chimica Acta</i> , 2001, 442, 35-44.	5.4	87
309	Potentiometric characterisation of acid rains using corrected linear plots. <i>Analytica Chimica Acta</i> , 2000, 405, 173-178.	5.4	7
310	Configurations used in the design of screen-printed enzymatic biosensors. A review. <i>Sensors and Actuators B: Chemical</i> , 2000, 69, 153-163.	7.8	286
311	Electrochemical genosensor design: immobilisation of oligonucleotides onto transducer surfaces and detection methods. <i>Biosensors and Bioelectronics</i> , 2000, 15, 291-303.	10.1	302
312	Comparison of chromium speciation by CZE and ion exchange followed by AAS. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 367, 12-16.	1.5	12
313	Determination of Pb and Cu by Anodic Stripping Voltammetry Using Glassy Carbon Electrodes Modified with Mercury or Mercury-Nafion Films. <i>Mikrochimica Acta</i> , 2000, 135, 29-33.	5.0	16
314	Consolidated biocomposite membrane technology for production of potentiometric biosensors. <i>Sensors and Actuators B: Chemical</i> , 1999, 60, 97-105.	7.8	5
315	A potentiometric biosensor for d-amygdalin based on a consolidated biocomposite membrane. <i>Analytica Chimica Acta</i> , 1999, 391, 65-72.	5.4	8
316	A Practical Approach to Potentiometric Biosensors Based on Consolidated Composites: Construction and Evaluation of a D-Amygdalin Biosensor. <i>The Chemical Educator</i> , 1999, 4, 137-140.	0.0	0
317	Stripping Potentiometry of Lead, Cadmium and Copper at a Nafion Coated Glassy Carbon Electrode with Encapsulated Mercury Acetate. <i>Analytical Letters</i> , 1997, 30, 1223-1234.	1.8	6
318	Characterization of di(2-ethylhexyl)thiophosphoric acid by potentiometric titration and capillary zone electrophoresis. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 358, 489-492.	1.5	2
319	Determination of chloride complex of Au(III) by capillary zone electrophoresis with direct UV detection. <i>Journal of Chromatography A</i> , 1995, 718, 227-232.	3.7	27
320	Potentiometric characterization of weak acids by multiple sample addition II. The effect of chemical interferences and the practical performance of linearization methods. <i>Talanta</i> , 1995, 42, 1433-1445.	5.5	3
321	Potentiometric characterization of weak acids by multiple sample addition I. Linear equations and intrinsic performance of the method. <i>Talanta</i> , 1994, 41, 2033-2042.	5.5	6
322	Au-solid-state potentiometric sensor for iodide based on the oil dispersion of mixed AgI/Ag/sub 2/S salts. , 0, , .		0
323	Quantum Dot Applications in Biomolecule Assays. , 0, , 333-354.		0
324	Nanoparticles and Inductively Coupled Plasma Mass Spectroscopy-Based Biosensing. , 0, , 355-376.		0

#	ARTICLE	IF	CITATIONS
325	Improved Electrochemistry of Biomolecules Using Nanomaterials. , 0, , 97-135.		0
326	Gold Nanoparticles: A Versatile Label for Affinity Electrochemical Biosensors. , 0, , 177-197.		9
327	Quantum Dots for the Development of Optical Biosensors Based on Fluorescence. , 0, , 199-245.		6