

Nicole Jaffrezic-Renault

List of Publications by Year in descending order

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333
papers

10,726
citations

24978

57
h-index

54797

84
g-index

341
all docs

341
docs citations

341
times ranked

11436
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Detection of 6-Thioguanine and DNA Hybridization with Oligonucleotide Biosensors by Differential Pulse Voltammetry (DPV). <i>Analytical Letters</i> , 2022, 55, 951-964.	1.0	2
2	Microfluidicâ€based nanoparticle synthesis and their potential applications. <i>Electrophoresis</i> , 2022, 43, 819-838.	1.3	16
3	Novel platform based on polystyrene electrospun nanofibrous mats doped with PAMAM dendritic polymer for enhanced immunosensing. <i>Applied Surface Science</i> , 2022, 579, 152221.	3.1	3
4	Mathematical Modelling of Glyphosate Molecularly Imprinted Polymer-Based Microsensor with Multiple Phenomena. <i>Molecules</i> , 2022, 27, 493.	1.7	5
5	Zero-Valent Iron Nanoparticles Supported on Biomass-Derived Porous Carbon for Simultaneous Detection of Cd ²⁺ and Pb ²⁺ . <i>ACS Applied Nano Materials</i> , 2022, 5, 546-558.	2.4	17
6	A novel electrochemical immunosensor for ultrasensitive detection of tumor necrosis factor Î± based on polystyrene - PAMAM dendritic polymer blend nanofibers. <i>Microchemical Journal</i> , 2022, 175, 107206.	2.3	7
7	Contribution of magnetic particles in molecular diagnosis of human viruses. <i>Talanta</i> , 2022, 241, 123243.	2.9	13
8	Development of a Chitosan/Nickel Phthalocyanine Composite Based Conductometric Microâ€sensor for Methanol Detection. <i>Electroanalysis</i> , 2022, 34, 1338-1347.	1.5	9
9	Advancement in Nanoparticle-based Biosensors for Point-of-care <i>In vitro</i> Diagnostics. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 807-833.	1.0	6
10	Electrochemical aptasensor based on electrodeposited poly(3,4-ethylenedioxythiophene)-graphene oxide coupled with Au@Pt nanocrystals for the detection of 17Î²-estradiol. <i>Mikrochimica Acta</i> , 2022, 189, 178.	2.5	10
11	Alternating bioâ€based pyridinic copolymers modified with hydrophilic and hydrophobic spacers as sorbents of aromatic pollutants. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1057-1068.	1.6	2
12	Spatially hierarchical nano-architecture for real time detection of Interleukin-8 cancer biomarker. <i>Talanta</i> , 2022, 246, 123436.	2.9	5
13	New poly(ether-phosphoramidate)s sulfides based on green resources as sensitive films for the specific impedimetric detection of nickel ions. <i>Talanta</i> , 2022, , 123550.	2.9	1
14	Recent advances in skin-like wearable sensors: sensor design, health monitoring, and intelligent auxiliary. <i>Sensors & Diagnostics</i> , 2022, 1, 686-708.	1.9	15
15	Reviewâ€Recent Progress in Graphene Based Modified Electrodes for Electrochemical Detection of Dopamine. <i>Chemosensors</i> , 2022, 10, 249.	1.8	17
16	Mechanisms of Influenza Virus HA2 Peptide Interaction with Liposomes Studied by Dual-Wavelength MP-SPR. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32970-32981.	4.0	3
17	Development of a label-free electrochemical aptasensor based on diazonium electrodeposition: Application to cadmium detection in water. <i>Analytical Biochemistry</i> , 2021, 612, 113956.	1.1	27
18	NZVIâ€Au magnetic nanocompositeâ€based electrochemical magnetoimmunosensing for ultrasensitive detection of troponinâ€T cardiac biomarker. <i>Electrochemical Science Advances</i> , 2021, 1, e2000019.	1.2	5

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19	Novel PDMS based semi-interpenetrating networks (IPNs) for the extraction of phenolic compounds. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104656.	3.3	4
20	Highly Sensitive Impedimetric Biosensor Based on Thermolysin Immobilized on a GCE Modified with AuNPâ€decorated Graphene for the Detection of Ochratoxin A. <i>Electroanalysis</i> , 2021, 33, 136-145.	1.5	7
21	Effect of Copper on the Oxidation Mechanisms of Tertiary and Secondary Amines of Methyl-naphthyl-cyclen-Modified Gold Electrodes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3011.	1.9	0
22	Adsorption Characteristics of WFD Heavy Metal Ions on New Biosourced Polyimide Films Determined by Electrochemical Impedance Spectroscopy. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 2471-2482.	1.9	4
23	Detection of Gadolinium with an Impedimetric Platform Based on Gold Electrodes Functionalized by 2-Methylpyridine-Substituted Cyclam. <i>Sensors</i> , 2021, 21, 1658.	2.1	7
24	Voltammetric study of the affinity of divalent heavy metals for guanine-functionalized iron oxide nanoparticles. <i>Monatshefte FÃ¼r Chemie</i> , 2021, 152, 229-240.	0.9	4
25	Sensor Based on a Poly[2-(Dimethylamino)ethyl Methacrylate-Co-Styrene], Gold Nanoparticles, and Methylene Blue-Modified Glassy Carbon Electrode for Melamine Detection. <i>Sensors</i> , 2021, 21, 2850.	2.1	6
26	High Performance Non-Enzymatic Electrochemical Lactate Sensor Based on ZnAl Layered Double Hydroxide Nanosheets Supported Gold Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2021, 168, 057529.	1.3	9
27	Electrochemical Impedance Spectroscopy Microsensor Based on Molecularly Imprinted Chitosan Film Crafted on a 4-Aminophenylacetic Acid (CMA) Modified Gold Electrode, for the Sensitive Detection of Glyphosate. <i>Frontiers in Chemistry</i> , 2021, 9, 621057.	1.8	8
28	Magnetic microparticle-based multimer detection system for the electrochemical detection of prion oligomers in sheep using a recyclable BDD electrode. <i>Microchemical Journal</i> , 2021, 164, 106089.	2.3	1
29	The Use of Voltammetry for Sorption Studies of Arsenic (III) Ions by Magnetic Beads Functionalized with Nucleobase Hydrazide Derivatives. <i>Electroanalysis</i> , 2021, 33, 1789-1799.	1.5	4
30	Magnetic Nanoparticles: From Synthesis to Theranostic Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 4284-4306.	2.4	58
31	Application of new aptasensor modified with nanocomposite for selective estradiol valerate determination in pharmaceutical and real biological samples. <i>Monatshefte FÃ¼r Chemie</i> , 2021, 152, 577.	0.9	2
32	Advancements in electrochemical biosensing for respiratory virus detection: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 139, 116253.	5.8	73
33	Polythionine and gold nanostar-based impedimetric aptasensor for label-free detection of Î±-synuclein oligomers. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1523-1533.	1.5	10
34	Surface Plasmon Resonance Monitoring of Mono-Rhamnolipid Interaction with Phospholipid-Based Liposomes. <i>Langmuir</i> , 2021, 37, 7975-7985.	1.6	11
35	A microconductometric ethanol sensor prepared through encapsulation of alcohol dehydrogenase in chitosan: application to the determination of alcoholic content in headspace above beverages. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 17752-17763.	1.1	8
36	Theoretical study and analytical performance of a lysozyme impedimetric microsensor based on a molecularly imprinted chitosan film. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129903.	4.0	11

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37	Innovative electrochemical sensor for the precise determination of the new antiviral COVID-19 treatment Favipiravir in the presence of coadministered drugs. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115422.	1.9	43
38	An ultrasensitive aptamer-antibody sandwich cortisol sensor for the noninvasive monitoring of stress state. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113451.	5.3	54
39	Thionine-functionalized three-dimensional carbon nanomaterial-based aptasensor for analysis of A β ² oligomers in serum. <i>Analytica Chimica Acta</i> , 2021, 1183, 338990.	2.6	16
40	Development of an ImmunoFET for Analysis of Tumour Necrosis Factor- α in Artificial Saliva: Application for Heart Failure Monitoring. <i>Chemosensors</i> , 2021, 9, 26.	1.8	24
41	Capacitance Electrochemical pH Sensor Based on Different Hafnium Dioxide (HfO ₂) Thicknesses. <i>Chemosensors</i> , 2021, 9, 13.	1.8	19
42	New selective modified glassy carbon electrode based on 6-furfurylaminopurine ligand for cadmium detection in real samples. <i>Monatshefte für Chemie</i> , 2021, 152, 43-49.	0.9	4
43	Sensitive Electrochemical Detection of Bioactive Molecules (Hydrogen Peroxide, Glucose, Dopamine) with Perovskites-Based Sensors. <i>Chemosensors</i> , 2021, 9, 289.	1.8	4
44	Development of Silicon-Based Micro-Sensor for Selective Methanol Discrimination and Detection over Interfering VOC. , 2021, , .		0
45	Synergistic Effect of Polyoxometalate and Single Walled Carbon Nanotubes on Peroxidase-like Mimics and Highly Sensitive Electrochemical Detection of Hydrogen Peroxide. <i>Electroanalysis</i> , 2020, 32, 683-689.	1.5	4
46	A Laccase/Chitosan- λ -Carrageenan Based Voltammetric Biosensor for Phenolic Compound Detection. <i>Electroanalysis</i> , 2020, 32, 732-740.	1.5	7
47	Elaboration of an Imprinted Polymer Film Based on Chitosan Electrodeposition for the Voltammetric Detection of BPA. <i>Journal of the Electrochemical Society</i> , 2020, 167, 027507.	1.3	10
48	Single-layer exfoliated reduced graphene oxide-antibody Tau sensor for detection in human serum. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127692.	4.0	25
49	Chlorpromazine Electro-oxidation at BDD Electrode Modified with nZVI Nanoparticles Impregnated NiAl LDH. <i>Electroanalysis</i> , 2020, 32, 1186-1197.	1.5	9
50	Metal and metal oxide nanoparticles in the voltammetric detection of heavy metals: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 131, 116014.	5.8	118
51	Electrochemical sensors for cortisol detections: Almost there. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 132, 116058.	5.8	62
52	Electrical response of plants to environmental stimuli: A short review and perspectives for meteorological applications. <i>Sensors International</i> , 2020, 1, 100053.	4.9	7
53	Combining Electrospinning and Vapor-Phase Polymerization for the Production of Polyacrylonitrile/ Polypyrrole Core-Shell Nanofibers and Glucose Biosensor Application. <i>Frontiers in Chemistry</i> , 2020, 8, 678.	1.8	18
54	Electrochemical sensors based on molecularly imprinted chitosan: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115982.	5.8	79

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55	A novel SWCNT-amplified signal-on electrochemical aptasensor for the determination of trace level of bisphenol A in human serum and lake water. <i>Mikrochimica Acta</i> , 2020, 187, 500.	2.5	13
56	Adsorption characteristics of aromatic pollutants and their halogenated derivatives on bio-based poly (ether-pyridine)s. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104333.	3.3	10
57	Experimental Study and Mathematical Modeling of a Glyphosate Impedimetric Microsensor Based on Molecularly Imprinted Chitosan Film. <i>Chemosensors</i> , 2020, 8, 104.	1.8	9
58	Chitosan-Based Nanocomposites for Glyphosate Detection Using Surface Plasmon Resonance Sensor. <i>Sensors</i> , 2020, 20, 5942.	2.1	11
59	Signal multi-amplified electrochemical biosensor for voltammetric determination of tau-441 protein in biological samples using carbon nanomaterials and gold nanoparticles to hint dementia. <i>Mikrochimica Acta</i> , 2020, 187, 302.	2.5	21
60	A Sensitive Impedimetric Sensor Based on Biosourced Polyphosphine Films for the Detection of Lead Ions. <i>Chemosensors</i> , 2020, 8, 34.	1.8	9
61	Clinoptilolite-based Conductometric Sensors for Detection of Ammonium in Aqueous Solutions. <i>Electroanalysis</i> , 2020, 32, 1993-2001.	1.5	4
62	New trends in the electrochemical detection of endocrine disruptors in complex media. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5913-5923.	1.9	14
63	An Acetylcholinesterase Inhibition-Based Biosensor for Aflatoxin B1 Detection Using Sodium Alginate as an Immobilization Matrix. <i>Toxins</i> , 2020, 12, 173.	1.5	13
64	Laccase-Based Biosensor Encapsulated in a Galactomannan-Chitosan Composite for the Evaluation of Phenolic Compounds. <i>Biosensors</i> , 2020, 10, 70.	2.3	9
65	Ultrasensitive detection of alpha-synuclein oligomer using a PolyD-glucosamine/gold nanoparticle/carbon-based nanomaterials modified electrochemical immunosensor in human plasma. <i>Microchemical Journal</i> , 2020, 158, 105195.	2.3	20
66	Voltammetric Sensor Based on Molecularly Imprinted Chitosan-Carbon Nanotubes Decorated with Gold Nanoparticles Nanocomposite Deposited on Boron-Doped Diamond Electrodes for Catechol Detection. <i>Materials</i> , 2020, 13, 688.	1.3	28
67	Voltammetric sensor based on electrodeposited molecularly imprinted chitosan film on BDD electrodes for catechol detection in buffer and in wine samples. <i>Materials Science and Engineering C</i> , 2020, 110, 110667.	3.8	35
68	Electrochemical impedance spectroscopy determination of glyphosate using a molecularly imprinted chitosan. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127753.	4.0	51
69	Design of a New Non-enzymatic Sensor Based on a Substituted $A_{2}BO_{4}$ Perovskite for the Voltammetric Detection of Glucose. <i>Electroanalysis</i> , 2020, 32, 1642-1650.	1.5	7
70	Highly Sensitive Voltammetric Catechol Biosensor Based on Electroaddressing of Laccase Encapsulated in Modified Chitosan. <i>Sensor Letters</i> , 2020, 18, 165-172.	0.4	3
71	Molecularly Imprinted Voltammetric Sensor Based on Chitosan-CNTs Decorated with AuNPs Nanocomposite for Catechol Detection. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2853-2853.	0.0	2
72	Overoxidized Polypyrrole/Sodium Dodecyl Sulfate/Single Wall Carbon Nanotubes Matrix for the Simultaneous Electrochemical Determination of Heavy Metal Ions by Adsorptive Stripping Voltammetry. <i>Sensor Letters</i> , 2020, 18, 811-818.	0.4	2

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73	Special issue of BES 2017. <i>Bioelectrochemistry</i> , 2019, 127, 35-36.	2.4	0
74	Development of a Label-Free Electrochemical Aptasensor for the Detection of Tau381 and its Preliminary Application in AD and Non-AD Patients'™ Sera. <i>Biosensors</i> , 2019, 9, 84.	2.3	46
75	A new thin film modified glassy carbon electrode based on melaminium chloride pentachlorocuprate(II) for selective determination of nitrate in water. <i>Monatshefte für Chemie</i> , 2019, 150, 1737-1744.	0.9	5
76	The Advent of Salivary Breast Cancer Biomarker Detection Using Affinity Sensors. <i>Sensors</i> , 2019, 19, 2373.	2.1	26
77	Electroanalytical Performance of Nitrogen-Doped Graphene Films Processed in One Step by Pulsed Laser Deposition Directly Coupled with Thermal Annealing. <i>Materials</i> , 2019, 12, 666.	1.3	13
78	Molecularly Imprinted Electrochemical Sensor Based on Modified Reduced Graphene Oxide-Gold Nanoparticles-polyaniline Nanocomposites Matrix for Dapsone Determination. <i>Electroanalysis</i> , 2019, 31, 1050-1060.	1.5	9
79	Copper(II) Electrochemical Sensor Based on Aluminon as Chelating Ionophore. <i>IEEE Sensors Journal</i> , 2019, 19, 8605-8611.	2.4	6
80	Spectroscopy Resonance Plasmon Efficient Tool for Cell Adsorption. <i>Journal of Nano Research</i> , 2019, 59, 35-45.	0.8	0
81	Combining culture and microbead-based immunoassay for the early and generic detection of bacteria in platelet concentrates. <i>Transfusion</i> , 2019, 59, 277-286.	0.8	3
82	Liquid biopsy of circulating tumor DNA and biosensor applications. <i>Biosensors and Bioelectronics</i> , 2019, 126, 596-607.	5.3	59
83	Highly Sensitive Voltammetric Glucose Biosensor Based on Glucose Oxidase Encapsulated in a Chitosan/Kappa-Carrageenan/Gold Nanoparticle Bionanocomposite. <i>Sensors</i> , 2019, 19, 154.	2.1	46
84	Voltammetric glucose biosensor based on glucose oxidase encapsulation in a chitosan-kappa-carrageenan polyelectrolyte complex. <i>Materials Science and Engineering C</i> , 2019, 95, 152-159.	3.8	47
85	Molecularly Imprinted Polymer Sensor Based on Microporous Metal-Organic Framework for Detection of Doxorubicin Hydrochloride. <i>Sensor Letters</i> , 2019, 17, 262-268.	0.4	2
86	An overview of an artificial nose system. <i>Talanta</i> , 2018, 184, 93-102.	2.9	36
87	Highly labeled methylene blue-ds DNA silica nanoparticles for signal enhancement of immunoassays: application to the sensitive detection of bacteria in human platelet concentrates. <i>Analyst</i> , The, 2018, 143, 2293-2303.	1.7	18
88	A biosensor based on fungal soil biomass for electrochemical detection of lead (II) and cadmium (II) by differential pulse anodic stripping voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2018, 813, 9-19.	1.9	53
89	Methanogenesis control in bioelectrochemical systems: A carbon footprint reduction assessment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 803-810.	3.3	8
90	Direct detection of phenol using a new bacterial strain-based conductometric biosensor. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 478-484.	3.3	29

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91	Biosensors for Alzheimer's disease biomarker detection: A review. <i>Biochimie</i> , 2018, 147, 13-24.	1.3	95
92	Extended-release of chlorpromazine intercalated into montmorillonite clays. <i>Microporous and Mesoporous Materials</i> , 2018, 267, 43-52.	2.2	19
93	Electrochemical Determination of Cadmium, Lead, and Nickel Using a Polyphenolâ€“Polyvinyl Chlorideâ€“Boron-Doped Diamond Electrode. <i>Analytical Letters</i> , 2018, 51, 336-347.	1.0	24
94	Voltammetric Sensor Based on a Double-Layered Molecularly Imprinted Polymer for Testosterone. <i>Analytical Letters</i> , 2018, 51, 312-322.	1.0	12
95	Polyphenolic Natural Products for the Electrochemical Determination of Cadmium. <i>Analytical Letters</i> , 2018, 51, 359-370.	1.0	5
96	Impedimetric Biosensor for the Determination of Phospholipase A ₂ Activity in Snake Venom. <i>Analytical Letters</i> , 2018, 51, 401-410.	1.0	6
97	Voltammetric Detection of Copper Ions on a Gold Electrode Modified with a <i>N</i> -methyl-2-naphthyl-cyclam film. <i>Analytical Letters</i> , 2018, 51, 971-982.	1.0	6
98	Efficient fabrication of poly(pyrrole)-nanowires through innovative nanocontact printing, using commercial CD as mold, on flexible thermoplastics substrates: Application for cytokines immunodetection. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2520-2530.	4.0	5
99	Presentation of the MADICA 2016 Special Issue. <i>Analytical Letters</i> , 2018, 51, 293-295.	1.0	0
100	A conductometric creatinine biosensor prepared through contact printing of polyvinyl alcohol/polyethyleneimine based enzymatic membrane. <i>Microelectronic Engineering</i> , 2018, 187-188, 43-49.	1.1	27
101	Electrochemical Immunosensor for NT-proBNP Detection in Artificial Human Saliva: Heart Failure Biomedical Application. <i>Proceedings (mdpi)</i> , 2018, 2, 1085.	0.2	2
102	Biopatterning of antibodies on poly(pyrrole)-nanowires using nanocontact printing: Surface characterization. <i>Materials Science and Engineering C</i> , 2018, 91, 466-474.	3.8	5
103	A novel electrochemical aptamerâ€“antibody sandwich assay for the detection of tau-381 in human serum. <i>Analyst</i> , 2018, 143, 3549-3554.	1.7	73
104	Responsive Polydiacetylene Vesicles for Biosensing Microorganisms. <i>Sensors</i> , 2018, 18, 599.	2.1	38
105	Biomimetic vesicles for electrochemical sensing. <i>Current Opinion in Electrochemistry</i> , 2018, 12, 101-106.	2.5	8
106	Detection of dyestuffs with an impedimetric sensor based on Cu ²⁺ -methyl-naphthyl cyclen complex functionalized gold electrodes. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1211-1221.	4.0	10
107	Cu(II) Adsorption onto a Biopolymer Extracted from a Vegetable Waste: Application to a Miniaturized Electrochemical Sensor. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1914-1923.	1.9	3
108	Removal of two anionic reactive textile dyes by adsorption into MgAl-layered double hydroxide in aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 23817-23832.	2.7	33

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109	Conception and Characterization of Molecularly Imprinted Polymers Nanofibers of Poly (Ethylene-Co-vinyl Alcohol) and Their Use as Membrane in Electrochemical Sensor for Creatinine Detection. Journal of New Technology and Materials, 2018, 8, 68-73.	0.4	3
110	Advanced biosensors for detection of pathogens related to livestock and poultry. Veterinary Research, 2017, 48, 11.	1.1	173
111	Gold Nanoparticle/Polymer/Enzyme Nanocomposite for the Development of Adenosine Triphosphate Biosensor. Springer Proceedings in Physics, 2017, , 533-545.	0.1	2
112	Biomimetic Sensors Based on Molecularly Imprinted Interfaces. Comprehensive Analytical Chemistry, 2017, 77, 147-177.	0.7	9
113	Gold nanoparticles assembly on electrospun poly(vinyl alcohol)/poly(ethyleneimine)/glucose oxidase nanofibers for ultrasensitive electrochemical glucose biosensing. Sensors and Actuators B: Chemical, 2017, 238, 392-401.	4.0	86
114	Detection of Dopamine by a Biomimetic Electrochemical Sensor Based on Polythioaniline-bridged Gold Nanoparticles. ChemPlusChem, 2017, 82, 561-569.	1.3	31
115	Recent Advances in Electrospun Nanofiber Interfaces for Biosensing Devices. Sensors, 2017, 17, 1887.	2.1	115
116	Nanomaterial-based electrochemical biosensors for food safety and quality assessment. , 2017, , 167-204.		17
117	Molecularly Imprinted Polymer/Metal Organic Framework Based Chemical Sensors. Coatings, 2016, 6, 42.	1.2	30
118	Development of a novel capacitance electrochemical biosensor based on silicon nitride for ochratoxin A detection. Sensors and Actuators B: Chemical, 2016, 234, 446-452.	4.0	38
119	Preparation and optimization of a drug delivery system based on berberine chloride-immobilized MgAl hydrotalcite. International Journal of Pharmaceutics, 2016, 506, 438-448.	2.6	27
120	A conductometric sensor for potassium detection in whole blood. Sensors and Actuators B: Chemical, 2016, 235, 27-32.	4.0	19
121	Mediator enhanced glucose detection using organic-inorganic hybrid supramolecular assembly on gold electrodes. Journal of Electroanalytical Chemistry, 2016, 781, 190-197.	1.9	4
122	Large area in situ fabrication of poly(pyrrole)-nanowires on flexible thermoplastic films using nanocontact printing. Materials Research Express, 2016, 3, 085018.	0.8	1
123	Delivery system for berberine chloride based on the nanocarrier ZnAl-layered double hydroxide: Physicochemical characterization, release behavior and evaluation of anti-bacterial potential. International Journal of Pharmaceutics, 2016, 515, 422-430.	2.6	41
124	Boron-doped Diamond Electrodes Modified with Fe ₃ O ₄ @Au Magnetic Nanocomposites as Sensitive Platform for Detection of a Cancer Biomarker, Interleukin-6. Electroanalysis, 2016, 28, 1810-1816.	1.5	15
125	A new sensitive and selective sensor for heavy metal ions based on tannin extracted from the skin of <i>Punica granatum L.</i> International Journal of Environmental Analytical Chemistry, 2016, 96, 739-751.	1.8	2
126	Layered double hydroxide materials coated carbon electrode: New challenge to future electrochemical power devices. Applied Surface Science, 2016, 386, 352-363.	3.1	45

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127	Effect of a static magnetic field on <i>Escherichia coli</i> adhesion and orientation. <i>Canadian Journal of Microbiology</i> , 2016, 62, 944-952.	0.8	1
128	Electrochemical biosensors for fast detection of food contaminants – trends and perspective. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 80-87.	5.8	248
129	Robust Electrografting on Self-Organized 3D Graphene Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1424-1433.	4.0	50
130	Novel biohybrids of layered double hydroxide and lactate dehydrogenase enzyme: Synthesis, characterization and catalytic activity studies. <i>Journal of Molecular Structure</i> , 2016, 1105, 381-388.	1.8	18
131	Development of a novel sensitive molecularly imprinted polymer sensor based on electropolymerization of a microporous-metal-organic framework for tetracycline detection in honey. <i>Food Control</i> , 2016, 59, 424-429.	2.8	113
132	A Nitrite Electrochemical Sensor Based on Boron-Doped Diamond Planar Electrochemical Microcells Modified with a Monolacunary Silicotungstate Polyoxoanion. <i>Electroanalysis</i> , 2015, 27, 1359-1367.	1.5	24
133	Aflatoxin B1 Detection Using a Highly-Sensitive Molecularly-Imprinted Electrochemical Sensor Based on an Electropolymerized Metal Organic Framework. <i>Toxins</i> , 2015, 7, 3540-3553.	1.5	60
134	Nanosized zeolites as a perspective material for conductometric biosensors creation. <i>Nanoscale Research Letters</i> , 2015, 10, 209.	3.1	19
135	Electrochemical impedance immunosensor for rapid detection of stressed pathogenic <i>Staphylococcus aureus</i> bacteria. <i>Environmental Science and Pollution Research</i> , 2015, 22, 15796-15803.	2.7	43
136	Anticancer drug detection using a highly sensitive molecularly imprinted electrochemical sensor based on an electropolymerized microporous metal organic framework. <i>Talanta</i> , 2015, 138, 71-76.	2.9	69
137	Electrically addressable deposition of diazonium-functionalized antibodies on boron-doped diamond microcells for the detection of ochratoxin A. <i>Analytical Methods</i> , 2015, 7, 2444-2451.	1.3	21
138	Nano- and micro-sized zeolites as a perspective material for potentiometric biosensors creation. <i>Nanoscale Research Letters</i> , 2015, 10, 59.	3.1	15
139	Electrochemical sensor for the detection of estradiol based on electropolymerized molecularly imprinted polythioaniline film with signal amplification using gold nanoparticles. <i>Electrochemistry Communications</i> , 2015, 59, 36-39.	2.3	53
140	Highly sensitive electrochemical biosensor for bisphenol A detection based on a diazonium-functionalized boron-doped diamond electrode modified with a multi-walled carbon nanotube-tyrosinase hybrid film. <i>Biosensors and Bioelectronics</i> , 2015, 74, 830-835.	5.3	110
141	An investigation of the well-water quality: immunosensor for pathogenic <i>Pseudomonas aeruginosa</i> detection based on antibody-modified poly(pyrrole-3 carboxylic acid) screen-printed carbon electrode. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18669-18675.	2.7	7
142	Thermolysin entrapped in a gold nanoparticles/polymer composite for direct and sensitive conductometric biosensing of ochratoxin A in olive oil. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 480-490.	4.0	34
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