

Arunas Ramanavicius

List of Publications by Year in descending order

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296
papers

11,683
citations

22153
59
h-index

51608
86
g-index

300
all docs

300
docs citations

300
times ranked

9600
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-directed antibody immobilization techniques for immunosensors. <i>Biosensors and Bioelectronics</i> , 2013, 50, 460-471.	10.1	262
2	Biocompatibility of polypyrrole particles: an in-vivo study in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 311-315.	2.4	256
3	Molecularly imprinted polypyrrole-based synthetic receptor for direct detection of bovine leukemia virus glycoproteins. <i>Biosensors and Bioelectronics</i> , 2004, 20, 1076-1082.	10.1	220
4	EDTA_PANI/SWCNTs nanocomposite modified electrode for electrochemical determination of copper (II), lead (II) and mercury (II) ions. <i>Electrochimica Acta</i> , 2018, 259, 930-938.	5.2	201
5	Biofuel cell based on direct bioelectrocatalysis. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1962-1967.	10.1	184
6	Conducting Polymers in the Design of Biosensors and Biofuel Cells. <i>Polymers</i> , 2021, 13, 49.	4.5	180
7	Magnetic gold nanoparticles in SERS-based sandwich immunoassay for antigen detection by well oriented antibodies. <i>Biosensors and Bioelectronics</i> , 2013, 43, 281-288.	10.1	171
8	Polypyrrole-Entrapped Quinohemoprotein Alcohol Dehydrogenase. Evidence for Direct Electron Transfer via Conducting-Polymer Chains. <i>Analytical Chemistry</i> , 1999, 71, 3581-3586.	6.5	150
9	Advances in Molecularly Imprinted Polymers Based Affinity Sensors (Review). <i>Polymers</i> , 2021, 13, 974.	4.5	135
10	An Oxygen-Insensitive Reagentless Glucose Biosensor Based on Osmium-Complex Modified Polypyrrole. <i>Electroanalysis</i> , 2000, 12, 1383-1389.	2.9	132
11	Composites Based on Conducting Polymers and Carbon Nanomaterials for Heavy Metal Ion Sensing (Review). <i>Critical Reviews in Analytical Chemistry</i> , 2018, 48, 293-304.	3.5	128
12	Enzymatic biofuel cell based on anode and cathode powered by ethanol. <i>Biosensors and Bioelectronics</i> , 2008, 24, 761-766.	10.1	126
13	Polypyrrole-coated glucose oxidase nanoparticles for biosensor design. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 532-539.	7.8	122
14	Gold nanoparticle and conducting polymer-polyaniline-based nanocomposites for glucose biosensor design. <i>Sensors and Actuators B: Chemical</i> , 2013, 189, 187-193.	7.8	122
15	Direct electron transfer from glucose oxidase immobilized on polyphenanthroline-modified glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2541-2546.	10.1	118
16	Hybrid electrochemical/electrochromic Cu(II) ion sensor prototype based on PANI/ITO-electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 527-535.	7.8	118
17	Pulsed amperometric detection of DNA with an ssDNA/polypyrrole-modified electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 287-293.	3.7	114
18	Charge Transfer and Biocompatibility Aspects in Conducting Polymer-Based Enzymatic Biosensors and Biofuel Cells. <i>Nanomaterials</i> , 2021, 11, 371.	4.1	114

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19	Evaluation of cytotoxicity of polypyrrole nanoparticles synthesized by oxidative polymerization. Journal of Hazardous Materials, 2013, 250-251, 167-174.	12.4	112
20	Polymerization Model for Hydrogen Peroxide Initiated Synthesis of Polypyrrole Nanoparticles. Langmuir, 2011, 27, 10970-10976.	3.5	111
21	Tuning Optical Properties of Al ₂ O ₃ /ZnO Nanolaminates Synthesized by Atomic Layer Deposition. Journal of Physical Chemistry C, 2014, 118, 3811-3819.	3.1	111
22	EDTA-modified PANI/SWNTs nanocomposite for differential pulse voltammetry based determination of Cu(II) ions. Sensors and Actuators B: Chemical, 2018, 260, 331-338.	7.8	104
23	Molecularly imprinted polypyrrole based sensor for the detection of SARS-CoV-2 spike glycoprotein. Electrochimica Acta, 2022, 403, 139581.	5.2	99
24	Analytical, thermodynamical and kinetic characteristics of photoluminescence immunosensor for the determination of Ochratoxin A. Biosensors and Bioelectronics, 2018, 99, 237-243.	10.1	96
25	Evaluation of amperometric glucose biosensors based on glucose oxidase encapsulated within enzymatically synthesized polyaniline and polypyrrole. Sensors and Actuators B: Chemical, 2011, 158, 278-285.	7.8	89
26	Enzymatically synthesized polyaniline layer for extension of linear detection region of amperometric glucose biosensor. Biosensors and Bioelectronics, 2010, 26, 790-797.	10.1	87
27	Glucose biosensor based on glucose oxidase and gold nanoparticles of different sizes covered by polypyrrole layer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 413, 224-230.	4.7	87
28	Enhancement of Electronic and Optical Properties of ZnO/Al ₂ O ₃ Nanolaminate Coated Electrospun Nanofibers. Journal of Physical Chemistry C, 2016, 120, 5124-5132.	3.1	87
29	Antibacterial and antifungal activity of silver nanospheres synthesized by tri-sodium citrate assisted chemical approach. Vacuum, 2017, 146, 259-265.	3.5	87
30	Glucose biosensor based on graphite electrodes modified with glucose oxidase and colloidal gold nanoparticles. Mikrochimica Acta, 2010, 168, 221-229.	5.0	86
31	Wiring of PQQ-dehydrogenases. Biosensors and Bioelectronics, 2004, 20, 1217-1222.	10.1	83
32	Characterization of caffeine-imprinted polypyrrole by a quartz crystal microbalance and electrochemical impedance spectroscopy. Sensors and Actuators B: Chemical, 2015, 212, 63-71.	7.8	82
33	Progress and Insights in the Application of MXenes as New 2D Nano-Materials Suitable for Biosensors and Biofuel Cell Design. International Journal of Molecular Sciences, 2020, 21, 9224.	4.1	82
34	Electrochemical deposition of gold nanoparticles on graphite rod for glucose biosensing. Sensors and Actuators B: Chemical, 2014, 203, 25-34.	7.8	79
35	Copper nanoparticle modified carbon electrode for determination of dopamine. Electrochimica Acta, 2012, 76, 201-207.	5.2	76
36	Electrochemical formation of polypyrrole-based layer for immunosensor design. Sensors and Actuators B: Chemical, 2014, 197, 237-243.	7.8	75

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37	Tuning of Structural and Optical Properties of Graphene/ZnO Nanolaminates. Journal of Physical Chemistry C, 2016, 120, 23716-23725.	3.1	75
38	ZnO/polyaniline composite based photoluminescence sensor for the determination of acetic acid vapor. Talanta, 2020, 211, 120658.	5.5	75
39	Towards microbial biofuel cells: Improvement of charge transfer by self-modification of microorganisms with conducting polymer " Polypyrrole. Chemical Engineering Journal, 2019, 356, 1014-1021.	12.7	74
40	Insights in the Application of Stoichiometric and Non-Stoichiometric Titanium Oxides for the Design of Sensors for the Determination of Gases and VOCs (TiO ₂ ·x and TiO ₂ n+1 vs. TiO ₂). Sensors, 2020, 20, 6833.	3.8	74
41	Evaluation of chemical synthesis of polypyrrole particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 483, 224-231.	4.7	73
42	Amperometric Glucose Biosensor Based on Electrochemically Deposited Gold Nanoparticles Covered by Polypyrrole. Electroanalysis, 2017, 29, 1267-1277.	2.9	73
43	Comparative study of antifungal activity of silver and gold nanoparticles synthesized by facile chemical approach. Journal of Environmental Chemical Engineering, 2018, 6, 5837-5844.	6.7	73
44	Electrochromic Sensors Based on Conducting Polymers, Metal Oxides, and Coordination Complexes. Critical Reviews in Analytical Chemistry, 2019, 49, 195-208.	3.5	72
45	Amperometric nonenzymatic glucose biosensor based on graphite rod electrode modified by Ni-nanoparticle/polypyrrole composite. Microchemical Journal, 2021, 161, 105751.	4.5	72
46	Molecularly Imprinted Polypyrrole Based Impedimetric Sensor for Theophylline Determination. Electrochimica Acta, 2014, 130, 361-367.	5.2	71
47	Toward development of optical biosensors based on photoluminescence of TiO ₂ nanoparticles for the detection of Salmonella. Sensors and Actuators B: Chemical, 2017, 252, 95-102.	7.8	70
48	Electrochemical Impedance Spectroscopy Based Evaluation of 1,10-Phenanthroline-5,6-dione and Glucose Oxidase Modified Graphite Electrode. Electrochimica Acta, 2014, 146, 659-665.	5.2	69
49	Polyphenol-modified glassy carbon electrodes for copper detection. Sensors and Actuators B: Chemical, 2011, 152, 37-48.	7.8	68
50	Bioelectrochemical application of some PQQ-dependent enzymes. Bioelectrochemistry, 2002, 55, 29-32.	4.6	67
51	Basic Electrochemistry Meets Nanotechnology: Electrochemical Preparation of Artificial Receptors Based on Nanostructured Conducting Polymer, Polypyrrole. Journal of Chemical Education, 2006, 83, 1212.	2.3	66
52	Molecularly Imprinted Polypyrrole for DNA Determination. Electroanalysis, 2013, 25, 1169-1177.	2.9	66
53	An electrochemical and computational study for discrimination of d- and l-cysteine by reduced graphene oxide/β ² -cyclodextrin. Analyst, The, 2015, 140, 313-321.	3.5	65
54	Evaluation of intact- and fragmented-antibody based immunosensors by total internal reflection ellipsometry. Sensors and Actuators B: Chemical, 2011, 160, 555-562.	7.8	64

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55	Porous silicon based photoluminescence immunosensor for rapid and highly-sensitive detection of Ochratoxin A. Biosensors and Bioelectronics, 2018, 102, 661-667.	10.1	64
56	The use of different glucose oxidases for the development of an amperometric reagentless glucose biosensor based on gold nanoparticles covered by polypyrrole. Electrochimica Acta, 2015, 169, 326-333.	5.2	63
57	Surface plasmon resonance label-free monitoring of antibody antigen interactions in real time. Biochemistry and Molecular Biology Education, 2007, 35, 57-63.	1.2	61
58	Comparative study of surface plasmon resonance, electrochemical and electroassisted chemiluminescence methods based immunosensor for the determination of antibodies against human growth hormone. Biosensors and Bioelectronics, 2012, 36, 48-55.	10.1	61
59	The substrate matters in the Raman spectroscopy analysis of cells. Scientific Reports, 2015, 5, 13150.	3.3	61
60	Towards supercapacitors: Cyclic voltammetry and fast Fourier transform electrochemical impedance spectroscopy based evaluation of polypyrrole electrochemically deposited on the pencil graphite electrode. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125750.	4.7	61
61	AFM study of conducting polymer polypyrrole nanoparticles formed by redox enzyme " glucose oxidase " initiated polymerisation. Colloids and Surfaces B: Biointerfaces, 2006, 48, 159-166.	5.0	60
62	ZnO films formed by atomic layer deposition as an optical biosensor platform for the detection of Grapevine virus A-type proteins. Biosensors and Bioelectronics, 2017, 92, 763-769.	10.1	60
63	Self-encapsulation of oxidases as a basic approach to tune the upper detection limit of amperometric biosensors. Analyst, The, 2008, 133, 1083.	3.5	59
64	Study of antibody/antigen binding kinetics by total internal reflection ellipsometry. Biosensors and Bioelectronics, 2013, 39, 170-176.	10.1	59
65	Gold coated porous silicon nanocomposite as a substrate for photoluminescence-based immunosensor suitable for the determination of Aflatoxin B1. Talanta, 2017, 175, 297-304.	5.5	59
66	The application of DNA polymerases and Cas9 as representative of DNA-modifying enzymes group in DNA sensor design (review). Biosensors and Bioelectronics, 2021, 175, 112867.	10.1	58
67	Formation of Polyaniline and Polypyrrole Nanocomposites with Embedded Glucose Oxidase and Gold Nanoparticles. Polymers, 2019, 11, 377.	4.5	57
68	Biosensors for the Determination of SARS-CoV-2 Virus and Diagnosis of COVID-19 Infection. International Journal of Molecular Sciences, 2022, 23, 666.	4.1	57
69	Application of oriented and random antibody immobilization methods in immunosensor design. Sensors and Actuators B: Chemical, 2013, 189, 217-223.	7.8	56
70	Affinity Sensors for the Diagnosis of COVID-19. Micromachines, 2021, 12, 390.	2.9	56
71	Synthesis of polypyrrole within the cell wall of yeast by redox-cycling of $[\text{Fe}(\text{CN})_6]^{3-} / [\text{Fe}(\text{CN})_6]^{4-}$. Enzyme and Microbial Technology, 2016, 83, 40-47.	3.2	55
72	Single-step procedure for the modification of graphite electrode by composite layer based on polypyrrole, Prussian blue and glucose oxidase. Sensors and Actuators B: Chemical, 2017, 240, 220-223.	7.8	55

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73	Some biocompatibility aspects of conducting polymer polypyrrole evaluated with bone marrow-derived stem cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 442, 152-156.	4.7	54
74	Biofuel cell based on glucose oxidase from <i>Penicillium funiculosum</i> 46.1 and horseradish peroxidase. Chemical Engineering Journal, 2015, 264, 165-173.	12.7	54
75	TiO ₂ -x/TiO ₂ -Structure Based "Self-Heated"™ Sensor for the Determination of Some Reducing Gases. Sensors, 2020, 20, 74.	3.8	54
76	Evaluation of electrochemical quartz crystal microbalance based sensor modified by uric acid-imprinted polypyrrole. Talanta, 2020, 220, 121414.	5.5	54
77	Immunosensor based on fluorescence quenching matrix of the conducting polymer polypyrrole. Analytical and Bioanalytical Chemistry, 2010, 398, 3105-3113.	3.7	53
78	Tailoring the Structural, Optical, and Photoluminescence Properties of Porous Silicon/TiO ₂ Nanostructures. Journal of Physical Chemistry C, 2015, 119, 7164-7171.	3.1	53
79	Photoluminescence immunosensor based on bovine leukemia virus proteins immobilized on the ZnO nanorods. Sensors and Actuators B: Chemical, 2019, 285, 601-606.	7.8	53
80	Photoelectrochemical Bisphenol S Sensor Based on ZnO Nanorods Modified by Molecularly Imprinted Polypyrrole. Macromolecular Chemistry and Physics, 2020, 221, 1900232.	2.2	53
81	Advances and insights in the diagnosis of viral infections. Journal of Nanobiotechnology, 2021, 19, 348.	9.1	52
82	Fast Fourier transformation electrochemical impedance spectroscopy for the investigation of inactivation of glucose biosensor based on graphite electrode modified by Prussian blue, polypyrrole and glucose oxidase. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 165-171.	4.7	51
83	Surface plasmon resonance biosensor for direct detection of antibodies against human growth hormone. Analyst, The, 2009, 134, 2051.	3.5	50
84	Electrochemical stability and repulsion of polypyrrole film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 418, 16-21.	4.7	50
85	Formation and Electrochemical Evaluation of Polyaniline and Polypyrrole Nanocomposites Based on Glucose Oxidase and Gold Nanostructures. Polymers, 2020, 12, 3026.	4.5	50
86	Nanocomposite Platform Based on EDTA Modified Ppy/SWNTs for the Sensing of Pb(II) Ions by Electrochemical Method. Frontiers in Chemistry, 2018, 6, 451.	3.6	49
87	Electrochemical modification of glassy carbon electrode by poly-4-nitroaniline and its application for determination of copper(II). Electrochimica Acta, 2010, 56, 387-395.	5.2	47
88	Biofuel Cell Based on Anode and Cathode Modified by Glucose Oxidase. Electroanalysis, 2013, 25, 2677-2683.	2.9	47
89	Reduced Graphene Oxide and Polyaniline Nanofibers Nanocomposite for the Development of an Amperometric Glucose Biosensor. Sensors, 2021, 21, 948.	3.8	47
90	Towards application of CRISPR-Cas12a in the design of modern viral DNA detection tools (Review). Journal of Nanobiotechnology, 2022, 20, 41.	9.1	47

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91	Comparative study of polyaniline (PANI), poly(3,4-ethylenedioxythiophene) (PEDOT) and PANI-PEDOT films electrochemically deposited on transparent indium thin oxide based electrodes. <i>Polymer</i> , 2019, 172, 133-141.	3.8	46
92	Electrochemical Determination of Cu(II) Ions by 4-Formylphenylboronic Acid Modified Gold Electrode. <i>Electroanalysis</i> , 2011, 23, 1645-1653.	2.9	45
93	Evaluation of Histamine Imprinted Polypyrrole Deposited on Boron Doped Nanocrystalline Diamond. <i>Electroanalysis</i> , 2014, 26, 2458-2464.	2.9	45
94	Cell-assisted synthesis of conducting polymer “ polypyrrole ” for the improvement of electric charge transfer through fungal cell wall. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 671-679.	5.0	45
95	Development of molecularly imprinted polymer based phase boundaries for sensors design (review). <i>Advances in Colloid and Interface Science</i> , 2022, 305, 102693.	14.7	45
96	Electrodeposited Gold Nanostructures for the Enhancement of Electrochromic Properties of PANI-PEDOT Film Deposited on Transparent Electrode. <i>Polymers</i> , 2020, 12, 2778.	4.5	44
97	Polyethylene-Carbon Composite (Velostat®) Based Tactile Sensor. <i>Polymers</i> , 2020, 12, 2905.	4.5	44
98	Reagent-less amperometric glucose biosensor based on nanobiocomposite consisting of poly(1,10-phenanthroline-5,6-dione), poly(pyrrole-2-carboxylic acid), gold nanoparticles and glucose oxidase. <i>Microchemical Journal</i> , 2020, 154, 104665.	4.5	43
99	Dispersed Conducting Polymer Nanocomposites with Glucose Oxidase and Gold Nanoparticles for the Design of Enzymatic Glucose Biosensors. <i>Polymers</i> , 2021, 13, 2173.	4.5	43
100	Square wave voltammetry based on determination of copper (II) ions by polyluteolin- and polykaempferol-modified electrodes. <i>Talanta</i> , 2011, 85, 1020-1027.	5.5	42
101	Towards electrochemical surface plasmon resonance sensor based on the molecularly imprinted polypyrrole for glyphosate sensing. <i>Talanta</i> , 2022, 241, 123252.	5.5	42
102	Enzymatic polymerization of polythiophene by immobilized glucose oxidase. <i>Polymer</i> , 2014, 55, 1613-1620.	3.8	41
103	Towards an Electrochemical Immunosensor for the Detection of Antibodies against SARS-CoV-2 Spike Protein. <i>Journal of the Electrochemical Society</i> , 2022, 169, 037523.	2.9	41
104	Evaluation of theophylline imprinted polypyrrole film. <i>Synthetic Metals</i> , 2015, 209, 206-211.	3.9	39
105	Modification of <i>Aspergillus niger</i> by conducting polymer, Polypyrrole, and the evaluation of electrochemical properties of modified cells. <i>Bioelectrochemistry</i> , 2018, 121, 46-55.	4.6	38
106	The effect of colloidal solutions of gold nanoparticles on the performance of a glucose oxidase modified carbon electrode. <i>Mikrochimica Acta</i> , 2011, 172, 185-191.	5.0	37
107	Quartz Crystal Microbalance-Based Evaluation of the Electrochemical Formation of an Aggregated Polypyrrole Particle-Based Layer. <i>Langmuir</i> , 2015, 31, 3186-3193.	3.5	37
108	Evaluation of enzymatic formation of polyaniline nanoparticles. <i>Polymer</i> , 2017, 115, 211-216.	3.8	37

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109	Phenanthroline derivatives electrochemically grafted to glassy carbon for Cu(II) ion detection. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 117-127.	7.8	36
110	Bioelectrocatalytic reduction of oxygen at gold nanoparticles modified with laccase. <i>Bioelectrochemistry</i> , 2014, 95, 1-6.	4.6	36
111	Evaluation of Electron Transfer in Electrochemical System Based on Immobilized Gold Nanoparticles and Glucose Oxidase. <i>Journal of the Electrochemical Society</i> , 2017, 164, G45-G49.	2.9	36
112	Tuning the optical pH sensing properties of polyaniline-based layer by electrochemical copolymerization of aniline with o-phenylenediamine. <i>Dyes and Pigments</i> , 2019, 170, 107457.	3.7	36
113	From Microorganism-Based Amperometric Biosensors towards Microbial Fuel Cells. <i>Sensors</i> , 2021, 21, 2442.	3.8	36
114	Evaluation of kinetics and thermodynamics of interaction between immobilized SARS-CoV-2 nucleoprotein and specific antibodies by total internal reflection ellipsometry. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 195-203.	9.4	36
115	Towards the application of Al ₂ O ₃ /ZnO nanolaminates in immunosensors: total internal reflection spectroscopic ellipsometry based evaluation of BSA immobilization. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8778-8783.	5.5	35
116	Amperometric immunosensor for diagnosis of BLV infection. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1547-1554.	10.1	34
117	Molecular Imprinting Technology for Determination of Uric Acid. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5032.	4.1	34
118	Formation and Electrochemical Characterisation of Enzyme-Assisted Formation of Polypyrrole and Polyaniline Nanocomposites with Embedded Glucose Oxidase and Gold Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2020, 167, 165501.	2.9	34
119	Electrochemical molecularly imprinted polymer based sensors for pharmaceutical and biomedical applications (review). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 215, 114739.	2.8	34
120	Yeast-assisted synthesis of polypyrrole: Quantification and influence on the mechanical properties of the cell wall. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 224-231.	5.0	33
121	Enzymatic Formation of Polyaniline, Polypyrrole, and Polythiophene Nanoparticles with Embedded Glucose Oxidase. <i>Nanomaterials</i> , 2019, 9, 806.	4.1	33
122	Whispering gallery mode resonator and glucose oxidase based glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128004.	7.8	33
123	Electrochemical determination of Cu(II) ions using glassy carbon electrode modified by some nanomaterials and 3-nitroaniline. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 279-284.	4.7	32
124	Considerations in producing preferentially reduced half-antibody fragments. <i>Journal of Immunological Methods</i> , 2016, 429, 50-56.	1.4	32
125	The link between yeast cell wall porosity and plasma membrane permeability after PEF treatment. <i>Scientific Reports</i> , 2019, 9, 14731.	3.3	32
126	Scanning electrochemical microscopy in the development of enzymatic sensors and immunosensors. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111411.	10.1	32

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127	1,10-Phenanthroline derivatives as mediators for glucose oxidase. Biosensors and Bioelectronics, 2010, 26, 267-270.	10.1	31
128	Insights into a hole transfer mechanism between glucose oxidase and a p-type organic semiconductor. Biosensors and Bioelectronics, 2018, 102, 449-455.	10.1	31
129	Analytical Evaluation of Optical pH-Sensitivity of Polyaniline Layer Electrochemically Deposited on ITO Electrode. Journal of the Electrochemical Society, 2018, 165, H903-H907.	2.9	31
130	Gold nanoparticle based colorimetric sensing strategy for the determination of reducing sugars. Food Chemistry, 2021, 351, 129238.	8.2	31
131	Gas Sensors Based on Titanium Oxides (Review). Coatings, 2022, 12, 699.	2.6	31
132	An Amperometric Glucose Biosensor Based on Poly (Pyrrole-2-Carboxylic Acid)/Glucose Oxidase Biocomposite. Electroanalysis, 2018, 30, 1642-1652.	2.9	30
133	An Application of Conducting Polymer Polypyrrole for the Design of Electrochromic pH and CO ₂ Sensors. Journal of the Electrochemical Society, 2019, 166, B297-B303.	2.9	30
134	Electrochemically Deposited Molecularly Imprinted Polymer-Based Sensors. Sensors, 2022, 22, 1282.	3.8	30
135	Electrochemical copper (II) sensor based on self-assembled 4-amino-6-hydroxy-2-mercaptopyrimidine monohydrate. Sensors and Actuators B: Chemical, 2011, 155, 612-617.	7.8	29
136	Resonant gravimetric immunosensing based on capacitive micromachined ultrasound transducers. Mikrochimica Acta, 2014, 181, 1749-1757.	5.0	29
137	Tunable Bloch surface waves in anisotropic photonic crystals based on lithium niobate thin films. Optics Letters, 2016, 41, 5616.	3.3	29
138	Synthesis of polypyrrole microspheres by Streptomyces spp.. Polymer, 2016, 84, 99-106.	3.8	29
139	1,10-Phenanthroline modified glassy carbon electrode for voltammetric determination of cadmium(II) ions. Sensors and Actuators B: Chemical, 2011, 157, 146-153.	7.8	28
140	Mixed-mode SPE for a multi-residue analysis of benzodiazepines in whole blood using rapid GC with negative-ion chemical ionization MS . Journal of Separation Science, 2013, 36, 1437-1445.	2.5	28
141	Scanning electrochemical impedance microscopy for investigation of glucose oxidase catalyzed reaction. Colloids and Surfaces B: Biointerfaces, 2015, 126, 598-602.	5.0	28
142	Large-scale self-organized gold nanostructures with bidirectional plasmon resonances for SERS. RSC Advances, 2018, 8, 22569-22576.	3.6	28
143	Application of ZnO Nanorods Based Whispering Gallery Mode Resonator in Optical Immunosensors. Colloids and Surfaces B: Biointerfaces, 2020, 191, 110999.	5.0	28
144	Potentiometric study of quinoxaline alcohol dehydrogenase immobilized on the carbon rod electrode. Sensors and Actuators B: Chemical, 2006, 113, 435-444.	7.8	27

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145	Capacitive micromachined ultrasound transducer (cMUT) for immunosensor design. <i>Analyst</i> , The, 2010, 135, 1531.	3.5	27
146	9,10-Phenanthrenequinone as a redox mediator for the imaging of yeast cells by scanning electrochemical microscopy. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 200-206.	7.8	27
147	EDA modified PANI/SWNTs nanocomposite for determination of Ni(II) metal ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 537, 303-309.	4.7	27
148	Synthesis of Polypyrrole Induced by $[\text{Fe}(\text{CN})_6]^{3-}$ and Redox Cycling of $[\text{Fe}(\text{CN})_6]^{4-}/[\text{Fe}(\text{CN})_6]^{3-}$. <i>Polymers</i> , 2018, 10, 749.	4.5	27
149	Prussian White-Based Optical Glucose Biosensor. <i>Journal of the Electrochemical Society</i> , 2019, 166, B927-B932.	2.9	27
150	Evaluation of affinity sensor response kinetics towards dimeric ligands linked with spacers of different rigidity: Immobilized recombinant granulocyte colony-stimulating factor based synthetic receptor binding with genetically engineered dimeric analyte derivatives. <i>Biosensors and Bioelectronics</i> , 2020, 156, 112112.	10.1	27
151	Yeast-based microbial biofuel cell mediated by 9,10-phenanthrenequinone. <i>Electrochimica Acta</i> , 2021, 373, 137918.	5.2	27
152	Electrochemical sensors based on L-tryptophan molecularly imprinted polypyrrole and polyaniline. <i>Journal of Electroanalytical Chemistry</i> , 2022, 917, 116389.	3.8	27
153	Electrochemical Determination of Interaction between SARS-CoV-2 Spike Protein and Specific Antibodies. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6768.	4.1	27
154	Electrochemical polypyrrole formation from pyrrole at a glassy carbon electrode. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1029-1038.	2.8	26
155	In-vitro model for assessing glucose diffusion through skin. <i>Biosensors and Bioelectronics</i> , 2018, 110, 175-179.	10.1	26
156	Zinc oxide nanorod based immunosensing platform for the determination of human leukemic cells. <i>Talanta</i> , 2019, 200, 378-386.	5.5	26
157	Chronic caffeine intake affects lysozyme activity and immune cells in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 56, 671-676.	2.4	25
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