

Arunas Ramanavicius

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2818824/publications.pdf>

Version: 2024-02-01

296
papers

11,683
citations

22099

59
h-index

51492

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.	5.3	262
2	Biocompatibility of polypyrrole particles: an in-vivo study in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 311-315.	1.2	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.	5.3	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.	2.6	201
5	Biofuel cell based on direct bioelectrocatalysis. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1962-1967.	5.3	184
6	Conducting Polymers in the Design of Biosensors and Biofuel Cells. <i>Polymers</i> , 2021, 13, 49.	2.0	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.	5.3	171
8	Polypyrrole-Entrapped Quinohemoprotein Alcohol Dehydrogenase. Evidence for Direct Electron Transfer via Conducting-Polymer Chains. <i>Analytical Chemistry</i> , 1999, 71, 3581-3586.	3.2	150
9	Advances in Molecularly Imprinted Polymers Based Affinity Sensors (Review). <i>Polymers</i> , 2021, 13, 974.	2.0	135
10	An Oxygen-Insensitive Reagentless Glucose Biosensor Based on Osmium-Complex Modified Polypyrrole. <i>Electroanalysis</i> , 2000, 12, 1383-1389.	1.5	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.	1.8	128
12	Enzymatic biofuel cell based on anode and cathode powered by ethanol. <i>Biosensors and Bioelectronics</i> , 2008, 24, 761-766.	5.3	126
13	Polypyrrole-coated glucose oxidase nanoparticles for biosensor design. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 532-539.	4.0	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.	4.0	122
15	Direct electron transfer from glucose oxidase immobilized on polyphenanthroline-modified glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2541-2546.	5.3	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.	4.0	118
17	Pulsed amperometric detection of DNA with an ssDNA/polypyrrole-modified electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 287-293.	1.9	114
18	Charge Transfer and Biocompatibility Aspects in Conducting Polymer-Based Enzymatic Biosensors and Biofuel Cells. <i>Nanomaterials</i> , 2021, 11, 371.	1.9	114

#	ARTICLE	IF	CITATIONS
19	Evaluation of cytotoxicity of polypyrrole nanoparticles synthesized by oxidative polymerization. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 167-174.	6.5	112
20	Polymerization Model for Hydrogen Peroxide Initiated Synthesis of Polypyrrole Nanoparticles. <i>Langmuir</i> , 2011, 27, 10970-10976.	1.6	111
21	Tuning Optical Properties of Al ₂ O ₃ /ZnO Nanolaminates Synthesized by Atomic Layer Deposition. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3811-3819.	1.5	111
22	EDTA-modified PANI/SWNTs nanocomposite for differential pulse voltammetry based determination of Cu(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 331-338.	4.0	104
23	Molecularly imprinted polypyrrole based sensor for the detection of SARS-CoV-2 spike glycoprotein. <i>Electrochimica Acta</i> , 2022, 403, 139581.	2.6	99
24	Analytical, thermodynamical and kinetic characteristics of photoluminescence immunosensor for the determination of Ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2018, 99, 237-243.	5.3	96
25	Evaluation of amperometric glucose biosensors based on glucose oxidase encapsulated within enzymatically synthesized polyaniline and polypyrrole. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 278-285.	4.0	89
26	Enzymatically synthesized polyaniline layer for extension of linear detection region of amperometric glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2010, 26, 790-797.	5.3	87
27	Glucose biosensor based on glucose oxidase and gold nanoparticles of different sizes covered by polypyrrole layer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 413, 224-230.	2.3	87
28	Enhancement of Electronic and Optical Properties of ZnO/Al ₂ O ₃ Nanolaminate Coated Electrospun Nanofibers. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5124-5132.	1.5	87
29	Antibacterial and antifungal activity of silver nanospheres synthesized by tri-sodium citrate assisted chemical approach. <i>Vacuum</i> , 2017, 146, 259-265.	1.6	87
30	Glucose biosensor based on graphite electrodes modified with glucose oxidase and colloidal gold nanoparticles. <i>Mikrochimica Acta</i> , 2010, 168, 221-229.	2.5	86
31	Wiring of PQQ dehydrogenases. <i>Biosensors and Bioelectronics</i> , 2004, 20, 1217-1222.	5.3	83
32	Characterization of caffeine-imprinted polypyrrole by a quartz crystal microbalance and electrochemical impedance spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 63-71.	4.0	82
33	Progress and Insights in the Application of MXenes as New 2D Nano-Materials Suitable for Biosensors and Biofuel Cell Design. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9224.	1.8	82
34	Electrochemical deposition of gold nanoparticles on graphite rod for glucose biosensing. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 25-34.	4.0	79
35	Copper nanoparticle modified carbon electrode for determination of dopamine. <i>Electrochimica Acta</i> , 2012, 76, 201-207.	2.6	76
36	Electrochemical formation of polypyrrole-based layer for immunosensor design. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 237-243.	4.0	75

#	ARTICLE	IF	CITATIONS
37	Tuning of Structural and Optical Properties of Graphene/ZnO Nanolaminates. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23716-23725.	1.5	75
38	ZnO/polyaniline composite based photoluminescence sensor for the determination of acetic acid vapor. <i>Talanta</i> , 2020, 211, 120658.	2.9	75
39	Towards microbial biofuel cells: Improvement of charge transfer by self-modification of microorganisms with conducting polymer " Polypyrrole. <i>Chemical Engineering Journal</i> , 2019, 356, 1014-1021.	6.6	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). <i>Sensors</i> , 2020, 20, 6833.	2.1	74
41	Evaluation of chemical synthesis of polypyrrole particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 224-231.	2.3	73
42	Amperometric Glucose Biosensor Based on Electrochemically Deposited Gold Nanoparticles Covered by Polypyrrole. <i>Electroanalysis</i> , 2017, 29, 1267-1277.	1.5	73
43	Comparative study of antifungal activity of silver and gold nanoparticles synthesized by facile chemical approach. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5837-5844.	3.3	73
44	Electrochromic Sensors Based on Conducting Polymers, Metal Oxides, and Coordination Complexes. <i>Critical Reviews in Analytical Chemistry</i> , 2019, 49, 195-208.	1.8	72
45	Amperometric nonenzymatic glucose biosensor based on graphite rod electrode modified by Ni-nanoparticle/polypyrrole composite. <i>Microchemical Journal</i> , 2021, 161, 105751.	2.3	72
46	Molecularly Imprinted Polypyrrole Based Impedimetric Sensor for Theophylline Determination. <i>Electrochimica Acta</i> , 2014, 130, 361-367.	2.6	71
47	Toward development of optical biosensors based on photoluminescence of TiO ₂ nanoparticles for the detection of Salmonella. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 95-102.	4.0	70
48	Electrochemical Impedance Spectroscopy Based Evaluation of 1,10-Phenanthroline-5,6-dione and Glucose Oxidase Modified Graphite Electrode. <i>Electrochimica Acta</i> , 2014, 146, 659-665.	2.6	69
49	Polyphenol-modified glassy carbon electrodes for copper detection. <i>Sensors and Actuators B: Chemical</i> , 2011, 152, 37-48.	4.0	68
50	Bioelectrochemical application of some PQQ-dependent enzymes. <i>Bioelectrochemistry</i> , 2002, 55, 29-32.	2.4	67
51	Basic Electrochemistry Meets Nanotechnology: Electrochemical Preparation of Artificial Receptors Based on Nanostructured Conducting Polymer, Polypyrrole. <i>Journal of Chemical Education</i> , 2006, 83, 1212.	1.1	66
52	Molecularly Imprinted Polypyrrole for DNA Determination. <i>Electroanalysis</i> , 2013, 25, 1169-1177.	1.5	66
53	An electrochemical and computational study for discrimination of d- and l-cystine by reduced graphene oxide/β ² -cyclodextrin. <i>Analyst</i> , The, 2015, 140, 313-321.	1.7	65
54	Evaluation of intact- and fragmented-antibody based immunosensors by total internal reflection ellipsometry. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 555-562.	4.0	64

#	ARTICLE	IF	CITATIONS
55	Porous silicon based photoluminescence immunosensor for rapid and highly-sensitive detection of Ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2018, 102, 661-667.	5.3	64
56	The use of different glucose oxidases for the development of an amperometric reagentless glucose biosensor based on gold nanoparticles covered by polypyrrole. <i>Electrochimica Acta</i> , 2015, 169, 326-333.	2.6	63
57	Surface plasmon resonance label-free monitoring of antibody antigen interactions in real time. <i>Biochemistry and Molecular Biology Education</i> , 2007, 35, 57-63.	0.5	61
58	Comparative study of surface plasmon resonance, electrochemical and electroassisted chemiluminescence methods based immunosensor for the determination of antibodies against human growth hormone. <i>Biosensors and Bioelectronics</i> , 2012, 36, 48-55.	5.3	61
59	The substrate matters in the Raman spectroscopy analysis of cells. <i>Scientific Reports</i> , 2015, 5, 13150.	1.6	61
60	Towards supercapacitors: Cyclic voltammetry and fast Fourier transform electrochemical impedance spectroscopy based evaluation of polypyrrole electrochemically deposited on the pencil graphite electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125750.	2.3	61
61	AFM study of conducting polymer polypyrrole nanoparticles formed by redox enzyme " glucose oxidase " initiated polymerisation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 48, 159-166.	2.5	60
62	ZnO films formed by atomic layer deposition as an optical biosensor platform for the detection of Grapevine virus A-type proteins. <i>Biosensors and Bioelectronics</i> , 2017, 92, 763-769.	5.3	60
63	Self-encapsulation of oxidases as a basic approach to tune the upper detection limit of amperometric biosensors. <i>Analyst</i> , The, 2008, 133, 1083.	1.7	59
64	Study of antibody/antigen binding kinetics by total internal reflection ellipsometry. <i>Biosensors and Bioelectronics</i> , 2013, 39, 170-176.	5.3	59
65	Gold coated porous silicon nanocomposite as a substrate for photoluminescence-based immunosensor suitable for the determination of Aflatoxin B1. <i>Talanta</i> , 2017, 175, 297-304.	2.9	59
66	The application of DNA polymerases and Cas9 as representative of DNA-modifying enzymes group in DNA sensor design (review). <i>Biosensors and Bioelectronics</i> , 2021, 175, 112867.	5.3	58
67	Formation of Polyaniline and Polypyrrole Nanocomposites with Embedded Glucose Oxidase and Gold Nanoparticles. <i>Polymers</i> , 2019, 11, 377.	2.0	57
68	Biosensors for the Determination of SARS-CoV-2 Virus and Diagnosis of COVID-19 Infection. <i>International Journal of Molecular Sciences</i> , 2022, 23, 666.	1.8	57
69	Application of oriented and random antibody immobilization methods in immunosensor design. <i>Sensors and Actuators B: Chemical</i> , 2013, 189, 217-223.	4.0	56
70	Affinity Sensors for the Diagnosis of COVID-19. <i>Micromachines</i> , 2021, 12, 390.	1.4	56
71	Synthesis of polypyrrole within the cell wall of yeast by redox-cycling of $[Fe(CN)_6]^{3-} / [Fe(CN)_6]^{4-}$. <i>Enzyme and Microbial Technology</i> , 2016, 83, 40-47.	1.6	55
72	Single-step procedure for the modification of graphite electrode by composite layer based on polypyrrole, Prussian blue and glucose oxidase. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 220-223.	4.0	55

#	ARTICLE	IF	CITATIONS
73	Some biocompatibility aspects of conducting polymer polypyrrole evaluated with bone marrow-derived stem cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 442, 152-156.	2.3	54
74	Biofuel cell based on glucose oxidase from <i>Penicillium funiculosum</i> 46.1 and horseradish peroxidase. <i>Chemical Engineering Journal</i> , 2015, 264, 165-173.	6.6	54
75	TiO ₂ -x/TiO ₂ -Structure Based "Self-Heated"™ Sensor for the Determination of Some Reducing Gases. <i>Sensors</i> , 2020, 20, 74.	2.1	54
76	Evaluation of electrochemical quartz crystal microbalance based sensor modified by uric acid-imprinted polypyrrole. <i>Talanta</i> , 2020, 220, 121414.	2.9	54
77	Immunosensor based on fluorescence quenching matrix of the conducting polymer polypyrrole. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 3105-3113.	1.9	53
78	Tailoring the Structural, Optical, and Photoluminescence Properties of Porous Silicon/TiO ₂ Nanostructures. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7164-7171.	1.5	53
79	Photoluminescence immunosensor based on bovine leukemia virus proteins immobilized on the ZnO nanorods. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 601-606.	4.0	53
80	Photoelectrochemical Bisphenol S Sensor Based on ZnO Nanoroads Modified by Molecularly Imprinted Polypyrrole. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900232.	1.1	53
81	Advances and insights in the diagnosis of viral infections. <i>Journal of Nanobiotechnology</i> , 2021, 19, 348.	4.2	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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 165-171.	2.3	51
83	Surface plasmon resonance biosensor for direct detection of antibodies against human growth hormone. <i>Analyst</i> , 2009, 134, 2051.	1.7	50
84	Electrochemical stability and repulsion of polypyrrole film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 418, 16-21.	2.3	50
85	Formation and Electrochemical Evaluation of Polyaniline and Polypyrrole Nanocomposites Based on Glucose Oxidase and Gold Nanostructures. <i>Polymers</i> , 2020, 12, 3026.	2.0	50
86	Nanocomposite Platform Based on EDTA Modified Ppy/SWNTs for the Sensing of Pb(II) Ions by Electrochemical Method. <i>Frontiers in Chemistry</i> , 2018, 6, 451.	1.8	49
87	Electrochemical modification of glassy carbon electrode by poly-4-nitroaniline and its application for determination of copper(II). <i>Electrochimica Acta</i> , 2010, 56, 387-395.	2.6	47
88	Biofuel Cell Based on Anode and Cathode Modified by Glucose Oxidase. <i>Electroanalysis</i> , 2013, 25, 2677-2683.	1.5	47
89	Reduced Graphene Oxide and Polyaniline Nanofibers Nanocomposite for the Development of an Amperometric Glucose Biosensor. <i>Sensors</i> , 2021, 21, 948.	2.1	47
90	Towards application of CRISPR-Cas12a in the design of modern viral DNA detection tools (Review). <i>Journal of Nanobiotechnology</i> , 2022, 20, 41.	4.2	47

#	ARTICLE	IF	CITATIONS
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.	1.8	46
92	Electrochemical Determination of Cu(II) Ions by 4-Formylphenylboronic Acid Modified Gold Electrode. <i>Electroanalysis</i> , 2011, 23, 1645-1653.	1.5	45
93	Evaluation of Histamine Imprinted Polypyrrole Deposited on Boron Doped Nanocrystalline Diamond. <i>Electroanalysis</i> , 2014, 26, 2458-2464.	1.5	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.	2.5	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.	7.0	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.	2.0	44
97	Polyethylene-Carbon Composite (Velostat®) Based Tactile Sensor. <i>Polymers</i> , 2020, 12, 2905.	2.0	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.	2.3	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.	2.0	43
100	Square wave voltammetry based on determination of copper (II) ions by poly(luteolin- and polykaempferol-modified electrodes. <i>Talanta</i> , 2011, 85, 1020-1027.	2.9	42
101	Towards electrochemical surface plasmon resonance sensor based on the molecularly imprinted polypyrrole for glyphosate sensing. <i>Talanta</i> , 2022, 241, 123252.	2.9	42
102	Enzymatic polymerization of polythiophene by immobilized glucose oxidase. <i>Polymer</i> , 2014, 55, 1613-1620.	1.8	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.	1.3	41
104	Evaluation of theophylline imprinted polypyrrole film. <i>Synthetic Metals</i> , 2015, 209, 206-211.	2.1	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.	2.4	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.	2.5	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.	1.6	37
108	Evaluation of enzymatic formation of polyaniline nanoparticles. <i>Polymer</i> , 2017, 115, 211-216.	1.8	37

#	ARTICLE	IF	CITATIONS
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.	4.0	36
110	Bioelectrocatalytic reduction of oxygen at gold nanoparticles modified with laccase. <i>Bioelectrochemistry</i> , 2014, 95, 1-6.	2.4	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.	1.3	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.	2.0	36
113	From Microorganism-Based Amperometric Biosensors towards Microbial Fuel Cells. <i>Sensors</i> , 2021, 21, 2442.	2.1	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.	5.0	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.	2.7	35
116	Amperometric immunosensor for diagnosis of BLV infection. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1547-1554.	5.3	34
117	Molecular Imprinting Technology for Determination of Uric Acid. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5032.	1.8	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.	1.3	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.	1.4	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.	2.5	33
121	Enzymatic Formation of Polyaniline, Polypyrrole, and Polythiophene Nanoparticles with Embedded Glucose Oxidase. <i>Nanomaterials</i> , 2019, 9, 806.	1.9	33
122	Whispering gallery mode resonator and glucose oxidase based glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128004.	4.0	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.	2.3	32
124	Considerations in producing preferentially reduced half-antibody fragments. <i>Journal of Immunological Methods</i> , 2016, 429, 50-56.	0.6	32
125	The link between yeast cell wall porosity and plasma membrane permeability after PEF treatment. <i>Scientific Reports</i> , 2019, 9, 14731.	1.6	32
126	Scanning electrochemical microscopy in the development of enzymatic sensors and immunosensors. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111411.	5.3	32

#	ARTICLE	IF	CITATIONS
127	1,10-Phenanthroline derivatives as mediators for glucose oxidase. <i>Biosensors and Bioelectronics</i> , 2010, 26, 267-270.	5.3	31
128	Insights into a hole transfer mechanism between glucose oxidase and a p-type organic semiconductor. <i>Biosensors and Bioelectronics</i> , 2018, 102, 449-455.	5.3	31
129	Analytical Evaluation of Optical pH-Sensitivity of Polyaniline Layer Electrochemically Deposited on ITO Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, H903-H907.	1.3	31
130	Gold nanoparticle based colorimetric sensing strategy for the determination of reducing sugars. <i>Food Chemistry</i> , 2021, 351, 129238.	4.2	31
131	Gas Sensors Based on Titanium Oxides (Review). <i>Coatings</i> , 2022, 12, 699.	1.2	31
132	An Amperometric Glucose Biosensor Based on Poly (Pyrrole-2-Carboxylic Acid)/Glucose Oxidase Biocomposite. <i>Electroanalysis</i> , 2018, 30, 1642-1652.	1.5	30
133	An Application of Conducting Polymer Polypyrrole for the Design of Electrochromic pH and CO ₂ Sensors. <i>Journal of the Electrochemical Society</i> , 2019, 166, B297-B303.	1.3	30
134	Electrochemically Deposited Molecularly Imprinted Polymer-Based Sensors. <i>Sensors</i> , 2022, 22, 1282.	2.1	30
135	Electrochemical copper (II) sensor based on self-assembled 4-amino-6-hydroxy-2-mercaptopyrimidine monohydrate. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 612-617.	4.0	29
136	Resonant gravimetric immunosensing based on capacitive micromachined ultrasound transducers. <i>Mikrochimica Acta</i> , 2014, 181, 1749-1757.	2.5	29
137	Tunable Bloch surface waves in anisotropic photonic crystals based on lithium niobate thin films. <i>Optics Letters</i> , 2016, 41, 5616.	1.7	29
138	Synthesis of polypyrrole microspheres by <i>Streptomyces</i> spp.. <i>Polymer</i> , 2016, 84, 99-106.	1.8	29
139	1,10-Phenanthroline modified glassy carbon electrode for voltammetric determination of cadmium(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 146-153.	4.0	28
140	Mixed-mode SPE for a multi-residue analysis of benzodiazepines in whole blood using rapid GC with negative-ion chemical ionization MS. <i>Journal of Separation Science</i> , 2013, 36, 1437-1445.	1.3	28
141	Scanning electrochemical impedance microscopy for investigation of glucose oxidase catalyzed reaction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 598-602.	2.5	28
142	Large-scale self-organized gold nanostructures with bidirectional plasmon resonances for SERS. <i>RSC Advances</i> , 2018, 8, 22569-22576.	1.7	28
143	Application of ZnO Nanorods Based Whispering Gallery Mode Resonator in Optical Immunosensors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 110999.	2.5	28
144	Potentiometric study of quinohemoprotein alcohol dehydrogenase immobilized on the carbon rod electrode. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 435-444.	4.0	27

#	ARTICLE	IF	CITATIONS
145	Capacitive micromachined ultrasound transducer (cMUT) for immunosensor design. <i>Analyst</i> , The, 2010, 135, 1531.	1.7	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.	4.0	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.	2.3	27
148	Synthesis of Polypyrrole Induced by $[Fe(CN)_6]^{3-}$ and Redox Cycling of $[Fe(CN)_6]^{4-}/[Fe(CN)_6]^{3-}$. <i>Polymers</i> , 2018, 10, 749.	2.0	27
149	Prussian White-Based Optical Glucose Biosensor. <i>Journal of the Electrochemical Society</i> , 2019, 166, B927-B932.	1.3	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.	5.3	27
151	Yeast-based microbial biofuel cell mediated by 9,10-phenanthrenequinone. <i>Electrochimica Acta</i> , 2021, 373, 137918.	2.6	27
152	Electrochemical sensors based on l-tryptophan molecularly imprinted polypyrrole and polyaniline. <i>Journal of Electroanalytical Chemistry</i> , 2022, 917, 116389.	1.9	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.	1.8	27
154	Electrochemical polypyrrole formation from pyrrole on a glassy carbon electrode. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1029-1038.	1.3	26
155	In-vitro model for assessing glucose diffusion through skin. <i>Biosensors and Bioelectronics</i> , 2018, 110, 175-179.	5.3	26
156	Zinc oxide nanorod based immunosensing platform for the determination of human leukemic cells. <i>Talanta</i> , 2019, 200, 378-386.	2.9	26
157	Chronic caffeine intake affects lysozyme activity and immune cells in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 56, 671-676.	1.2	25
158	A New Experimental Model for Neuronal and Glial Differentiation Using Stem Cells Derived from Human Exfoliated Deciduous Teeth. <i>Journal of Molecular Neuroscience</i> , 2013, 51, 307-317.	1.1	25
159	Single-walled carbon nanotube based coating modified with reduced graphene oxide for the design of amperometric biosensors. <i>Materials Science and Engineering C</i> , 2019, 98, 515-523.	3.8	25
160	Metal Nanoparticle and Quantum Dot Tags for Signal Amplification in Electrochemical Immunosensors for Biomarker Detection. <i>Chemosensors</i> , 2021, 9, 85.	1.8	25
161	Glucose Biosensor Based on Dendritic Gold Nanostructures Electrodeposited on Graphite Electrode by Different Electrochemical Methods. <i>Chemosensors</i> , 2021, 9, 188.	1.8	25
162	Electrochromic Textile Composites Based on Polyaniline-Coated Metallized Conductive Fabrics. <i>Journal of the Electrochemical Society</i> , 2020, 167, 155515.	1.3	25

#	ARTICLE	IF	CITATIONS
163	Evaluation of Some Redox Mediators in the Design of Reagentless Amperometric Glucose Biosensor. <i>Electroanalysis</i> , 2014, 26, 1528-1535.	1.5	24
164	Electric field-induced effects on yeast cell wall permeabilization. <i>Bioelectromagnetics</i> , 2014, 35, 136-144.	0.9	24
165	Scanning electrochemical microscopy for the investigation of redox potential of human myocardium-derived mesenchymal stem cells grown at 2D and 3D conditions. <i>Electrochimica Acta</i> , 2020, 360, 136956.	2.6	24
166	Impact of differently modified nanocrystalline diamond on the growth of neuroblastoma cells. <i>New Biotechnology</i> , 2015, 32, 7-12.	2.4	23
167	Redox-probe-free scanning electrochemical microscopy combined with fast Fourier transform electrochemical impedance spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9831-9836.	1.3	23
168	Physicochemical Characteristics of Polypyrrole/(Glucose oxidase)/(Prussian Blue)-based Biosensor Modified with Ni and Co Hexacyanoferrates. <i>Electroanalysis</i> , 2019, 31, 50-57.	1.5	23
169	Towards Microorganism-Based Biofuel Cells: The Viability of <i>Saccharomyces cerevisiae</i> Modified by Multiwalled Carbon Nanotubes. <i>Nanomaterials</i> , 2020, 10, 954.	1.9	23
170	Application of Polydopamine Functionalized Zinc Oxide for Glucose Biosensor Design. <i>Polymers</i> , 2021, 13, 2918.	2.0	23
171	Simultaneous and Sequential Synthesis of Polyaniline- <i>g</i> -poly(ethylene glycol) by Combination of Oxidative Polymerization and CuAAC Click Chemistry: A Water-Soluble Instant Response Glucose Biosensor Material. <i>Macromolecules</i> , 2017, 50, 1824-1831.	2.2	22
172	Fluorescence Quenching-Based Evaluation of Glucose Oxidase Composite with Conducting Polymer, Polypyrrole. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9491-9498.	1.5	22
173	Interaction mechanism between TiO ₂ nanostructures and bovine leukemia virus proteins in photoluminescence-based immunosensors. <i>RSC Advances</i> , 2018, 8, 37740-37748.	1.7	22
174	Tuning the Photo-Luminescence Properties of WO ₃ Layers by the Adjustment of Layer Formation Conditions. <i>Materials</i> , 2020, 13, 2814.	1.3	22
175	Towards analytical application of electrochromic polypyrrole layers modified by phenothiazine derivatives. <i>Journal of Electroanalytical Chemistry</i> , 2021, 886, 115132.	1.9	22
176	Study of optical anisotropy in thin molecular layers by total internal reflection ellipsometry. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 119-124.	4.0	21
177	A surface plasmon resonance immunosensor for human growth hormone based on fragmented antibodies. <i>Analytical Methods</i> , 2013, 5, 4757.	1.3	21
178	Copper(I) Bromide: An Alternative Emitter for Blue-Colored Flame Pyrotechnics. <i>Chemistry - A European Journal</i> , 2015, 21, 15354-15359.	1.7	21
179	Experimental and Theoretical Investigations of an Electrochromic Azobenzene and 3,4-Ethylenedioxythiophene-based Electrochemically Formed Polymeric Semiconductor. <i>ChemPhysChem</i> , 2018, 19, 2735-2740.	1.0	21
180	Interface engineering and solid-state organization for triindole-based p-type organic thin-film transistors. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17889-17898.	1.3	21

#	ARTICLE	IF	CITATIONS
181	Influence of PDA Coating on the Structural, Optical and Surface Properties of ZnO Nanostructures. <i>Nanomaterials</i> , 2020, 10, 2438.	1.9	21
182	Selective Enhancement of SERS Spectral Bands of Salicylic Acid Adsorbate on 2D Ti3C2Tx-Based MXene Film. <i>Chemosensors</i> , 2021, 9, 223.	1.8	21
183	Influence of ZnO/graphene nanolaminate periodicity on their structural and mechanical properties. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1487-1493.	5.6	20
184	Development of poly(3-aminophenylboronic acid) modified graphite rod electrode suitable for fluoride determination. <i>Talanta</i> , 2014, 126, 202-207.	2.9	19
185	Modelling of Scanning Electrochemical Microscopy at Redox Competition Mode Using Diffusion and Reaction Equations. <i>Electrochimica Acta</i> , 2016, 222, 347-354.	2.6	19
186	Optical properties of ZnO deposited by atomic layer deposition (ALD) on Si nanowires. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 236-237, 139-146.	1.7	19
187	Towards direct enzyme wiring: a theoretical investigation of charge carrier transfer mechanisms between glucose oxidase and organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2968-2976.	1.3	19
188	Visualization of red-ox proteins on the gold surface using enzymatic polypyrrole formation. <i>Mikrochimica Acta</i> , 2011, 175, 79-86.	2.5	18
189	Evaluation of the Redox Mediating Properties of 1,10-Phenanthroline-5,6-dione for Glucose Oxidase Modified Graphite Electrodes. <i>Journal of the Electrochemical Society</i> , 2014, 161, B31-B33.	1.3	18
190	Deposition of gold nanoparticles on mica modified by poly(allylamine hydrochloride) monolayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 204-210.	2.3	18
191	Reagent-less amperometric glucose biosensor based on a graphite rod electrode layer-by-layer modified with 1,10-phenanthroline-5,6-dione and glucose oxidase. <i>Talanta</i> , 2017, 171, 204-212.	2.9	18
192	Scanning electrochemical microscopy based evaluation of influence of pH on bioelectrochemical activity of yeast cells <i>Saccharomyces cerevisiae</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 1-6.	2.5	18
193	Modelling of immunosensor response: the evaluation of binding kinetics between an immobilized receptor and structurally-different genetically engineered ligands. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126770.	4.0	18
194	Urea Biosensor Based on Electrochromic Properties of Prussian Blue. <i>Electroanalysis</i> , 2020, 32, 503-509.	1.5	18
195	Evaluation of Redox Activity of Human Myocardium-derived Mesenchymal Stem Cells by Scanning Electrochemical Microscopy. <i>Electroanalysis</i> , 2020, 32, 1337-1345.	1.5	18
196	Total internal reflection ellipsometry for kinetics-based assessment of bovine serum albumin immobilization on ZnO nanowires. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1345-1352.	2.7	18
197	Evaluation of Enzymatic Kinetics of CO _x -based Electrodes by Scanning Electrochemical Microscopy at Redox Competition Mode. <i>Electroanalysis</i> , 2017, 29, 1532-1542.	1.5	17
198	Selectivity of Tungsten Oxide Synthesized by Sol-Gel Method Towards Some Volatile Organic Compounds and Gaseous Materials in a Broad Range of Temperatures. <i>Materials</i> , 2020, 13, 523.	1.3	17

#	ARTICLE	IF	CITATIONS
199	Baker's Yeast-Based Microbial Fuel Cell Mediated by 2-Methyl-1,4-Naphthoquinone. <i>Membranes</i> , 2021, 11, 182.	1.4	17
200	Evaluation of a Yeast-Polypyrrole Biocomposite Used in Microbial Fuel Cells. <i>Sensors</i> , 2022, 22, 327.	2.1	17
201	Surface Plasmon Resonance Immunosensor with Antibody-Functionalized Magnetoplasmonic Nanoparticles for Ultrasensitive Quantification of the CD5 Biomarker. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20720-20728.	4.0	17
202	Immobilization of maltogenase onto polyurethane microparticles from poly(vinyl alcohol) and hexamethylene diisocyanate. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 64, 172-176.	1.8	16
203	Atomic Force Microscopy as a Tool for the Investigation of Living Cells. <i>Medicina (Lithuania)</i> , 2013, 49, 25.	0.8	16
204	1,10-Phenanthroline-5,6-dione and 9,10-phenanthrenequinone as redox mediators for amperometric glucose biosensors. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1529-1536.	1.2	16
205	Hybrid system based on fast Fourier transform electrochemical impedance spectroscopy combined with scanning electrochemical microscopy. <i>Electrochemistry Communications</i> , 2017, 83, 110-112.	2.3	16
206	Amperometric Glucose Biosensor Based on Titanium Electrode Modified with Prussian Blue Layer and Immobilized Glucose Oxidase. <i>Journal of the Electrochemical Society</i> , 2017, 164, B781-B784.	1.3	16
207	Towards electrochromic ammonium ion sensors. <i>Electrochemistry Communications</i> , 2018, 94, 41-44.	2.3	16
208	Chemical Enhancement vs Molecule-Substrate Geometry in Plasmon-Enhanced Spectroscopy. <i>ACS Photonics</i> , 2021, 8, 2243-2255.	3.2	16
209	Electrochemical Deposition and Investigation of Poly-9,10-Phenanthrenequinone Layer. <i>Nanomaterials</i> , 2019, 9, 702.	1.9	15
210	Highly efficient antimicrobial agents based on sulfur-enriched, hydrophilic molybdenum disulfide nano/microparticles and coatings functionalized with palladium nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 115-128.	5.0	15
211	BiVO ₄ -based coatings for non-enzymatic photoelectrochemical glucose determination. <i>Journal of Electroanalytical Chemistry</i> , 2022, 918, 116446.	1.9	15
212	Impact of diamond nanoparticles on neural cells. <i>Molecular and Cellular Probes</i> , 2015, 29, 25-30.	0.9	14
213	Surfaces functionalized by graphene oxide nanosheets for single cell investigations. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1735-1743.	4.0	14
214	Microbial Fuel Cell Based on Nitrogen-Fixing <i>Rhizobium anhuiense</i> Bacteria. <i>Biosensors</i> , 2022, 12, 113.	2.3	14
215	Spectroscopic Ellipsometry and Quartz Crystal Microbalance with Dissipation for the Assessment of Polymer Layers and for the Application in Biosensing. <i>Polymers</i> , 2022, 14, 1056.	2.0	14
216	Investigation and Comparison of Specific Antibodies' Affinity Interaction with SARS-CoV-2 Wild-Type, B.1.1.7, and B.1.351 Spike Protein by Total Internal Reflection Ellipsometry. <i>Biosensors</i> , 2022, 12, 351.	2.3	14

#	ARTICLE	IF	CITATIONS
217	AFM study of complement system assembly initiated by antigen-antibody complex. <i>Open Chemistry</i> , 2006, 4, 194-206.	1.0	13
218	Electrochemical Glutathione Sensor Based on Electrochemically Deposited Poly(4-aminophenol). <i>Electroanalysis</i> , 2011, 23, 701-709.	1.5	13
219	Oxidizer Ratio and Oxygen Balance Influence on the Emission Spectra of Green-Colored Pyrotechnic Flames. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5511-5515.	1.0	13
220	Investigation of biocatalytic enlargement of gold nanoparticles using dynamic light scattering and atomic force microscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 510, 183-189.	2.3	13
221	Study of Pyrotechnic Blue Strobe Compositions Based on Ammonium Perchlorate and Tetramethylammonium Nitrate. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1113-1119.	1.0	13
222	Polyurethane-gold and polyurethane-silver nanoparticles conjugates for efficient immobilization of maltogenase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 436-443.	2.3	13
223	Mathematical Modelling of the Influence of Ultra-micro Electrode Geometry on Approach Curves Registered by Scanning Electrochemical Microscopy. <i>Electroanalysis</i> , 2019, 31, 2214-2223.	1.5	13
224	Prussian blue based impedimetric urea biosensor. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115473.	1.9	13
225	Development of a new biocathode for a single enzyme biofuel cell fuelled by glucose. <i>Scientific Reports</i> , 2021, 11, 18568.	1.6	13
226	Amperometric Glucose Biosensor Based on Glucose Oxidase, 1,10-Phenanthroline-5,6-dione and Carbon Nanotubes. <i>Journal of the Electrochemical Society</i> , 2014, 161, H3064-H3069.	1.3	12
227	A Spectrophotometric Study of Red Pyrotechnic Flame Properties Using Three Classical Oxidizers: Ammonium Perchlorate, Potassium Perchlorate, Potassium Chlorate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 2560-2565.	0.6	12
228	Porous Aluminium Oxide Coating for the Development of Spectroscopic Ellipsometry Based Biosensor: Evaluation of Human Serum Albumin Adsorption. <i>Coatings</i> , 2020, 10, 1018.	1.2	12
229	Towards colourless-green electrochromic smart glass based on a redox active polymeric semiconductor containing carbazole moiety. <i>Dyes and Pigments</i> , 2020, 177, 108328.	2.0	12
230	The Performance of Red Flare Pyrotechnic Compositions Modified with Gas Generating Additives. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 671-679.	1.0	12
231	The Impact of Glucose Oxidase Immobilization on Dendritic Gold Nanostructures on the Performance of Glucose Biosensors. <i>Biosensors</i> , 2022, 12, 320.	2.3	12
232	Investigation of SARS-CoV-2 nucleocapsid protein interaction with a specific antibody by combined spectroscopic ellipsometry and quartz crystal microbalance with dissipation. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 113-122.	5.0	12
233	Elastic properties of chemically modified baker's yeast cells studied by AFM. <i>Surface and Interface Analysis</i> , 2011, 43, 1636-1640.	0.8	11
234	Determination of antibodies against human growth hormone using a direct immunoassay format and different electrochemical methods. <i>Analyst</i> , 2013, 138, 1427.	1.7	11

#	ARTICLE	IF	CITATIONS
235	Organic Semiconductors with Carbazole and Triphenylamine Moieties for Glucose Oxidase-Based Biosensors. <i>Journal of the Electrochemical Society</i> , 2019, 166, B316-B321.	1.3	11
236	An Experimental Comparison of Selected Blue Flame Pyrotechnics. <i>Propellants, Explosives, Pyrotechnics</i> , 2021, 46, 107-113.	1.0	11
237	Scanning electrochemical microscopy and electrochemical impedance spectroscopy-based characterization of perforated polycarbonate membrane modified by carbon-nanomaterials and glucose oxidase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126822.	2.3	11
238	Magneto-Immunoassay for the Detection and Quantification of Human Growth Hormone. <i>Biosensors</i> , 2022, 12, 65.	2.3	11
239	Surface plasmon resonance and its application to biomedical research. <i>Medicina (Lithuania)</i> , 2007, 43, 355.	0.8	10
240	Specificity of Glucose Oxidase from <i>Penicillium funiculosum</i> 46.1 Towards Some Redox Mediators. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1739-1749.	1.4	10
241	Investigation of Active and Inactivated Yeast Cells by Scanning Electrochemical Impedance Microscopy. <i>Electroanalysis</i> , 2020, 32, 367-374.	1.5	10
242	Polymers in Sensor and Biosensor Design. <i>Polymers</i> , 2021, 13, 917.	2.0	10
243	Baker's Yeast Transformation Studies by Atomic Force Microscopy. <i>Advanced Science Letters</i> , 2011, 4, 171-173.	0.2	10
244	Application of Tamm Plasmon Polaritons and Cavity Modes for Biosensing in the Combined Spectroscopic Ellipsometry and Quartz Crystal Microbalance Method. <i>Biosensors</i> , 2021, 11, 501.	2.3	10
245	Assembly and Characterization of Polyurethane-Gold Nanoparticle Conjugates. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 2291-2299.	1.1	9
246	Electrochemical biosensor based on glucose oxidase encapsulated within enzymatically synthesized poly(1,10-phenanthroline-5,6-dione). <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 685-691.	2.5	9
247	Fluorescein ether-ester dyes for labeling of fluorinated methacrylate nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111956.	2.0	9
248	Cobalt hexacyanoferrate based optical sensor for continuous optical sensing of hydrogen peroxide. <i>Electrochimica Acta</i> , 2020, 362, 137202.	2.6	9
249	Towards the application of fast Fourier transform - scanning electrochemical impedance microscopy (FFT-SEIM). <i>Journal of Electroanalytical Chemistry</i> , 2020, 864, 114067.	1.9	9
250	Scanning electrochemical microscope as a tool for the electroporation of living yeast cells. <i>Biosensors and Bioelectronics</i> , 2022, 205, 114096.	5.3	9
251	Evaluation of Electrochromic Properties of Polypyrrole/Poly(Methylene Blue) Layer Doped by Polysaccharides. <i>Sensors</i> , 2022, 22, 232.	2.1	9
252	Assessment of TiO ₂ Nanoparticle Impact on Surface Morphology of Chinese Hamster Ovary Cells. <i>Materials</i> , 2022, 15, 4570.	1.3	9

#	ARTICLE	IF	CITATIONS
253	Effect of some redox mediators on FAD fluorescence of glucose oxidase from <i>Penicillium adametzii</i> LF F-2044.1. <i>Enzyme and Microbial Technology</i> , 2015, 72, 10-15.	1.6	8
254	Real time study of amalgam formation and mercury adsorption on thin gold film by total internal reflection ellipsometry. <i>Applied Surface Science</i> , 2018, 427, 298-303.	3.1	8
255	Evaluation of carbon-based nanostructures suitable for the development of black pigments and glazes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123718.	2.3	8
256	Blue Strobe Pyrotechnic Composition Based on Aminoguanidinium Nitrate. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 1466-1471.	1.0	8
257	Time-resolved fluorescence spectroscopy based evaluation of stability of glucose oxidase. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 676-682.	3.6	8
258	Scanning Electrochemical Impedance Microscopy in Redox-Competition Mode for the Investigation of Antibodies Labelled with Horseradish Peroxidase. <i>Materials</i> , 2021, 14, 4301.	1.3	8
259	Determination of cyanide concentration by chronoamperometry, cyclic voltammetry and fast Fourier transform electrochemical impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115449.	1.9	8
260	Optical and structural properties of Al ₂ O ₃ /ZnO nanolaminates deposited by ALD method. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 1505-1508.	0.8	7
261	Silane-based self-assembled monolayer deposited on fluorine doped tin oxide as model system for pharmaceutical and biomedical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112832.	1.4	7
262	Electroporation of a hybrid bilayer membrane by scanning electrochemical microscope. <i>Bioelectrochemistry</i> , 2020, 136, 107617.	2.4	7
263	Multiwavelength optical sensor based on a gradient photonic crystal with a hexagonal plasmonic array. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127837.	4.0	7
264	Comparison of Glucose Oxidases from <i>Penicillium Adametzii</i> , <i>Penicillium Funiculosum</i> and <i>Aspergillus Niger</i> in the Design of Amperometric Glucose Biosensors. <i>Analytical Sciences</i> , 2014, 30, 1143-1149.	0.8	6
265	Biosensors Based on Bio-Functionalized Semiconducting Metal Oxides. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-16.	1.8	6
266	Development of an SPE method for the determination of zaleplon and zopiclone in hemolyzed blood using fast GC with negative-ion chemical ionization MS. <i>Journal of Separation Science</i> , 2014, 37, 551-557.	1.3	5
267	A QCM-D Study of Reduced Antibody Fragments Immobilized on Planar Gold and Gold Nanoparticle Modified Sensor Surfaces. <i>Key Engineering Materials</i> , 2014, 605, 340-343.	0.4	5
268	Deposition of silver nanoparticles from suspensions containing tannic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 477, 70-76.	2.3	5
269	Morphology of CdSe-Based Coatings Formed on Polyamide Substrate. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 604-613.	0.9	5
270	Efficiency of granulocyte colony-stimulating factor immobilized on magnetic microparticles on proliferation of NFS-60 cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 578, 123580.	2.3	5

#	ARTICLE	IF	CITATIONS
271	The improvement of the accuracy of electromagnetic actuator based atomic force microscope operating in contact mode and the development of a new methodology for the estimation of control parameters and the achievement of superior image quality. <i>Sensors and Actuators A: Physical</i> , 2019, 287, 168-176.	2.0	5
272	Rotating disk electrode-based investigation of electroluminescence of tris(2,2'-bipyridin)dichlorruthenium(II)hexahydrate, luminol, and N-(4-aminobutyl)-N-ethyl-isoluminol. <i>Chemical Papers</i> , 2017, 71, 905-912.	1.0	4
273	Catalytic Biosensors Based on Conducting Polymers. , 2004, , 93-109.		4
274	Development of biofuel cell based on anode modified by glucose oxidase, <i>Spirulina platensis</i> -based lysate and multi-walled carbon nanotubes. <i>Electrochimica Acta</i> , 2022, 426, 140689.	2.6	4
275	Capacitive micromachined ultrasound transducers (CMUT) for resonant gravimetric immunosensing. , 2014, , .		3
276	Evaluation of 1,10-phenanthroline-5,6-dione as redox mediator for glucose oxidase. <i>Journal of Analytical Chemistry</i> , 2016, 71, 77-81.	0.4	3
277	Optical sensors based on electrochromic conducting polymers. , 2017, , .		3
278	Design of immunosensors for rapid and sensitive detection of biomarkers. , 2022, , 303-333.		3
279	Conducting polymers in the design of enzymatic sensors. , 2017, , .		2
280	Towards electrochemical/electrochromic sensors based on polyaniline modified indium tin oxide electrodes. , 2017, , .		2
281	Compact high-sensitivity potentiometer for detection of low ion concentrations in liquids. <i>Review of Scientific Instruments</i> , 2018, 89, 044704.	0.6	2
282	Synthesis of Heterogeneously Conductive Polypyrrole Layer from Non-Aqueous Solution Using The Double-Step Potential Technique. <i>Journal of the Electrochemical Society</i> , 2020, 167, 086510.	1.3	2
283	Evaluation of Yeast Mechanical Properties by Atomic Force Microscopy. , 2020, , .		2
284	Electrochemical Impedance Spectroscopy Based Evaluation of Chlorophyll a Reconstitution within Tethered Bilayer Lipid Membrane. <i>Journal of the Electrochemical Society</i> , 2021, 168, 066506.	1.3	2
285	Real-time label-free assessment of T7 DNA polymerase immobilization. <i>Materials Today Nano</i> , 2022, 19, 100232.	2.3	2
286	Application of CMUT as immunosensor. , 2013, , .		1
287	Carbon nanostructures for electrochemical sensors. , 2017, , .		1
288	Photoluminescence ZnO nanorod biosensors for medical and food safety applications. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
289	An Immunosensing System for Antibody Detection Based on Capacitive Micromachined Ultrasound Transducer Resonance Sensors. <i>Sensor Letters</i> , 2014, 12, 1746-1749.	0.4	1
290	Enhancement of Glucose Oxidase-Based Bioanode Performance by Comprising <i>Spirulina platensis</i> Microalgae Lysate. <i>Journal of the Electrochemical Society</i> , 0, , .	1.3	1
291	Conjugated Polymers and Gold Nanostructures in the Design of Electrochromic/Electrochemical Sensors. , 2018, , .		0
292	Synthesis of a Conducting Polymer - Polyaniline - based Layers Suitable for the Application in Electrochromic Sensors. , 2018, , .		0
293	Method for Living Cell Mechanical Properties Evaluation from Force-Indentation Curves. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 657-663.	0.5	0
294	Evaluation of the Electrochromic Response of Polypyrrole in the Presence of CO ₂ in the Solution. <i>Engineering Proceedings</i> , 2021, 6, .	0.4	0
295	Low-perchlorate blue-flame pyrotechnic compositions. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, , .	0.3	0
296	Conducting polymersâ€™ versatile tools in analytical systems for the determination of biomarkers and biologically active compounds. , 2022, , 407-434.		0