

# Arunas Ramanavicius

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

279  
papers

8,194  
citations

49  
h-index

72  
g-index

300  
ext. papers

9,978  
ext. citations

5.4  
avg, IF

6.9  
L-index

#	Paper	IF	Citations
279	Towards application of CRISPR-Cas12a in the design of modern viral DNA detection tools (Review).. <i>Journal of Nanobiotechnology</i> , <b>2022</b> , 20, 41	9.4	7
278	Design of immunosensors for rapid and sensitive detection of biomarkers <b>2022</b> , 303-333		1
277	Biosensors for the Determination of SARS-CoV-2 Virus and Diagnosis of COVID-19 Infection.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	12
276	Conducting polymers as versatile tools in analytical systems for the determination of biomarkers and biologically active compounds <b>2022</b> , 407-434		
275	Towards electrochemical surface plasmon resonance sensor based on the molecularly imprinted polypyrrole for glyphosate sensing.. <i>Talanta</i> , <b>2022</b> , 241, 123252	6.2	5
274	Electrochemically Deposited Molecularly Imprinted Polymer-Based Sensors.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	8
273	Molecularly imprinted polypyrrole based sensor for the detection of SARS-CoV-2 spike glycoprotein.. <i>Electrochimica Acta</i> , <b>2022</b> , 403, 139581	6.7	20
272	Electrochemical molecularly imprinted polymer based sensors for pharmaceutical and biomedical applications (review).. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 215, 114739	3.5	2
271	Towards an Electrochemical Immunosensor for the Detection of Antibodies against SARS-CoV-2 Spike Protein. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 037523	3.9	5
270	Scanning electrochemical microscope as a tool for the electroporation of living yeast cells.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 205, 114096	11.8	1
269	Electrochemical Sensors based on L-Tryptophan Molecularly Imprinted Polypyrrole and Polyaniline. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 116389	4.1	1
268	Development of molecularly imprinted polymer based phase boundaries for sensors design (review). <i>Advances in Colloid and Interface Science</i> , <b>2022</b> , 102693	14.3	4
267	The Impact of Glucose Oxidase Immobilization on Dendritic Gold Nanostructures on the Performance of Glucose Biosensors. <i>Biosensors</i> , <b>2022</b> , 12, 320	5.9	2
266	BiVO <sub>4</sub> -based Coatings for Non-Enzymatic Photoelectrochemical Glucose Determination. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 116446	4.1	2
265	Gas Sensors Based on Titanium Oxides (Review). <i>Coatings</i> , <b>2022</b> , 12, 699	2.9	3
264	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> , <b>2022</b> , 12, 351	5.9	1
263	Real-time label-free assessment of T7 DNA polymerase immobilization. <i>Materials Today Nano</i> , <b>2022</b> , 1000332		

262	Advances and insights in the diagnosis of viral infections. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 348	9.4	13
261	Yeast-based microbial biofuel cell mediated by 9,10-phenantrenequinone. <i>Electrochimica Acta</i> , <b>2021</b> , 373, 137918	6.7	15
260	Advances in Molecularly Imprinted Polymers Based Affinity Sensors (Review). <i>Polymers</i> , <b>2021</b> , 13,	4.5	54
259	Baker's Yeast-Based Microbial Fuel Cell Mediated by 2-Methyl-1,4-Naphthoquinone. <i>Membranes</i> , <b>2021</b> , 11,	3.8	5
258	From Microorganism-Based Amperometric Biosensors towards Microbial Fuel Cells. <i>Sensors</i> , <b>2021</b> , 21,	3.8	13
257	Metal Nanoparticle and Quantum Dot Tags for Signal Amplification in Electrochemical Immunosensors for Biomarker Detection. <i>Chemosensors</i> , <b>2021</b> , 9, 85	4	5
256	Towards analytical application of electrochromic polypyrrole layers modified by phenothiazine derivatives. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 886, 115132	4.1	5
255	Affinity Sensors for the Diagnosis of COVID-19. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	27
254	Molecular Imprinting Technology for Determination of Uric Acid. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	10
253	Evaluation of the Electrochromic Response of Polypyrrole in the Presence of CO <sub>2</sub> in the Solution. <i>Engineering Proceedings</i> , <b>2021</b> , 6, 80	0.5	
252	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> , <b>2021</b> , 591, 115-128	9.3	8
251	Dispersed Conducting Polymer Nanocomposites with Glucose Oxidase and Gold Nanoparticles for the Design of Enzymatic Glucose Biosensors. <i>Polymers</i> , <b>2021</b> , 13,	4.5	16
250	Electrochemical Impedance Spectroscopy Based Evaluation of Chlorophyll a Reconstitution within Tethered Bilayer Lipid Membrane. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 066506	3.9	0
249	Scanning Electrochemical Impedance Microscopy in Redox-Competition Mode for the Investigation of Antibodies Labelled with Horseradish Peroxidase. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
248	Gold nanoparticle based colorimetric sensing strategy for the determination of reducing sugars. <i>Food Chemistry</i> , <b>2021</b> , 351, 129238	8.5	8
247	Chemical Enhancement vs MoleculeSubstrate Geometry in Plasmon-Enhanced Spectroscopy. <i>ACS Photonics</i> , <b>2021</b> , 8, 2243-2255	6.3	6
246	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> , <b>2021</b> , 610, 125750	5.1	31
245	Amperometric nonenzymatic glucose biosensor based on graphite rod electrode modified by Ni-nanoparticle/polypyrrole composite. <i>Microchemical Journal</i> , <b>2021</b> , 161, 105751	4.8	37

244	An Experimental Comparison of Selected Blue Flame Pyrotechnics. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2021</b> , 46, 107-113	1.7	3
243	The application of DNA polymerases and Cas9 as representative of DNA-modifying enzymes group in DNA sensor design (review). <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 175, 112867	11.8	28
242	Total internal reflection ellipsometry for kinetics-based assessment of bovine serum albumin immobilization on ZnO nanowires. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 1345-1352	7.1	8
241	Reduced Graphene Oxide and Polyaniline Nanofibers Nanocomposite for the Development of an Amperometric Glucose Biosensor. <i>Sensors</i> , <b>2021</b> , 21,	3.8	18
240	Charge Transfer and Biocompatibility Aspects in Conducting Polymer-Based Enzymatic Biosensors and Biofuel Cells. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	44
239	Glucose Biosensor Based on Dendritic Gold Nanostructures Electrodeposited on Graphite Electrode by Different Electrochemical Methods. <i>Chemosensors</i> , <b>2021</b> , 9, 188	4	5
238	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> , <b>2021</b> , 594, 195-203	9.3	18
237	Application of Polydopamine Functionalized Zinc Oxide for Glucose Biosensor Design. <i>Polymers</i> , <b>2021</b> , 13,	4.5	7
236	Determination of cyanide concentration by chronoamperometry, cyclic voltammetry and fast Fourier transform electrochemical impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 895, 115449	4.1	2
235	Prussian blue based impedimetric urea biosensor. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 895, 115473	4.3	3
234	Selective Enhancement of SERS Spectral Bands of Salicylic Acid Adsorbate on 2D Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> -Based MXene Film. <i>Chemosensors</i> , <b>2021</b> , 9, 223	4	0
233	Development of a new biocathode for a single enzyme biofuel cell fuelled by glucose. <i>Scientific Reports</i> , <b>2021</b> , 11, 18568	4.9	2
232	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> , <b>2021</b> , 624, 126822	5.1	3
231	Evaluation of Electrochromic Properties of Polypyrrole/Poly(Methylene Blue) Layer Doped by Polysaccharides.. <i>Sensors</i> , <b>2021</b> , 22,	3.8	1
230	Insights in the Application of Stoichiometric and Non-Stoichiometric Titanium Oxides for the Design of Sensors for the Determination of Gases and VOCs (TiO and TiO vs. TiO). <i>Sensors</i> , <b>2020</b> , 20,	3.8	35
229	Influence of PDA Coating on the Structural, Optical and Surface Properties of ZnO Nanostructures. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	10
228	Formation and Electrochemical Evaluation of Polyaniline and Polypyrrole Nanocomposites Based on Glucose Oxidase and Gold Nanostructures. <i>Polymers</i> , <b>2020</b> , 12,	4.5	34
227	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> , <b>2020</b> , 21,	6.3	33

226	Polyethylene-Carbon Composite (Velostat) Based Tactile Sensor. <i>Polymers</i> , <b>2020</b> , 12,	4.5	11
225	Synthesis of Heterogeneously Conductive Polypyrrole Layer from Non-Aqueous Solution Using The Double-Step Potential Technique. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 086510	3.9	1
224	Towards Microorganism-Based Biofuel Cells: The Viability of Modified by Multiwalled Carbon Nanotubes. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	15
223	Whispering gallery mode resonator and glucose oxidase based glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 318, 128004	8.5	19
222	Towards colourless-to-green electrochromic smart glass based on a redox active polymeric semiconductor containing carbazole moiety. <i>Dyes and Pigments</i> , <b>2020</b> , 177, 108328	4.6	8
221	Towards the application of fast Fourier transform - scanning electrochemical impedance microscopy (FFT-SEIM). <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 864, 114067	4.1	6
220	Tuning the Photo-Luminescence Properties of WO Layers by the Adjustment of Layer Formation Conditions. <i>Materials</i> , <b>2020</b> , 13,	3.5	12
219	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> , <b>2020</b> , 156, 112112	11.8	15
218	The Performance of Red Flare Pyrotechnic Compositions Modified with Gas Generating Additives. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2020</b> , 45, 671-679	1.7	4
217	Multiwavelength optical sensor based on a gradient photonic crystal with a hexagonal plasmonic array. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 311, 127837	8.5	5
216	Evaluation of Redox Activity of Human Myocardium-derived Mesenchymal Stem Cells by Scanning Electrochemical Microscopy. <i>Electroanalysis</i> , <b>2020</b> , 32, 1337-1345	3	9
215	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> , <b>2020</b> , 154, 104665	4.8	32
214	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> , <b>2020</b> , 13,	3.5	11
213	Electrochromic Textile Composites Based on Polyaniline-Coated Metallized Conductive Fabrics. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 155515	3.9	13
212	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> , <b>2020</b> , 167, 165501	3.9	26
211	Microbial Fuel Cell-Based Toxicity Sensor. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 379-388	0.4	1
210	Optical Immunosensor Based on Photoluminescent TiO <sub>2</sub> Nanostructures for Determination of Bovine Leucosis Proteins. Model of Interaction Mechanism. <i>Springer Proceedings in Physics</i> , <b>2020</b> , 247-257 <sup>2</sup>	9.2	
209	Conducting Polymers in the Design of Biosensors and Biofuel Cells. <i>Polymers</i> , <b>2020</b> , 13,	4.5	82

208	Urea Biosensor Based on Electrochromic Properties of Prussian Blue. <i>Electroanalysis</i> , <b>2020</b> , 32, 503-509	3	12
207	ZnO/polyaniline composite based photoluminescence sensor for the determination of acetic acid vapor. <i>Talanta</i> , <b>2020</b> , 211, 120658	6.2	39
206	Photoelectrochemical Bisphenol S Sensor Based on ZnO-Nanorods Modified by Molecularly Imprinted Polypyrrole. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 1900232	2.6	35
205	Electroporation of a hybrid bilayer membrane by scanning electrochemical microscope. <i>Bioelectrochemistry</i> , <b>2020</b> , 136, 107617	5.6	5
204	Cobalt hexacyanoferrate based optical sensor for continuous optical sensing of hydrogen peroxide. <i>Electrochimica Acta</i> , <b>2020</b> , 362, 137202	6.7	5
203	Electrodeposited Gold Nanostructures for the Enhancement of Electrochromic Properties of PANI-PEDOT Film Deposited on Transparent Electrode. <i>Polymers</i> , <b>2020</b> , 12,	4.5	24
202	Time-resolved fluorescence spectroscopy based evaluation of stability of glucose oxidase. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 163, 676-682	7.9	2
201	Evaluation of electrochemical quartz crystal microbalance based sensor modified by uric acid-imprinted polypyrrole. <i>Talanta</i> , <b>2020</b> , 220, 121414	6.2	34
200	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> , <b>2020</b> , 360, 136956	6.7	8
199	Porous Aluminium Oxide Coating for the Development of Spectroscopic Ellipsometry Based Biosensor: Evaluation of Human Serum Albumin Adsorption. <i>Coatings</i> , <b>2020</b> , 10, 1018	2.9	3
198	Method for Living Cell Mechanical Properties Evaluation from Force-Indentation Curves. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 657-663	0.4	
197	Investigation of Active and Inactivated Yeast Cells by Scanning Electrochemical Impedance Microscopy. <i>Electroanalysis</i> , <b>2020</b> , 32, 367-374	3	7
196	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> , <b>2020</b> , 177, 112832	3.5	3
195	Application of ZnO Nanorods Based Whispering Gallery Mode Resonator in Optical Immunosensors. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 191, 110999	6	18
194	Blue Strobe Pyrotechnic Composition Based on Aminoguanidinium Nitrate. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2019</b> , 44, 1466-1471	1.7	4
193	Towards direct enzyme wiring: a theoretical investigation of charge carrier transfer mechanisms between glucose oxidase and organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 2968-2976	3.6	15
192	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> , <b>2019</b> , 175, 671-679	6	27
191	Scanning electrochemical microscopy in the development of enzymatic sensors and immunosensors. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 141, 111411	11.8	19



190	Enzymatic Formation of Polyaniline, Polypyrrole, and Polythiophene Nanoparticles with Embedded Glucose Oxidase. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	26
189	Electrochemical Deposition and Investigation of Poly-9,10-Phenanthrenequinone Layer. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	13
188	Organic Semiconductors with Carbazole and Triphenylamine Moieties for Glucose Oxidase-Based Biosensors. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B316-B321	3.9	9
187	Zinc oxide nanorod based immunosensing platform for the determination of human leukemic cells. <i>Talanta</i> , <b>2019</b> , 200, 378-386	6.2	18
186	An Application of Conducting Polymer Polypyrrole for the Design of Electrochromic pH and CO <sub>2</sub> Sensors. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B297-B303	3.9	25
185	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> , <b>2019</b> , 227, 143-154	3.9	3
184	Formation of Polyaniline and Polypyrrole Nanocomposites with Embedded Glucose Oxidase and Gold Nanoparticles. <i>Polymers</i> , <b>2019</b> , 11,	4.5	44
183	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> , <b>2019</b> , 172, 133-141	3.9	33
182	Tuning the optical pH sensing properties of polyaniline-based layer by electrochemical copolymerization of aniline with o-phenylenediamine. <i>Dyes and Pigments</i> , <b>2019</b> , 170, 107457	4.6	26
181	Redox-probe-free scanning electrochemical microscopy combined with fast Fourier transform electrochemical impedance spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 9831-9836	3.6	19
180	Prussian White-Based Optical Glucose Biosensor. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B927-B932	3.9	21
179	Mathematical Modelling of the Influence of Ultra-micro Electrode Geometry on Approach Curves Registered by Scanning Electrochemical Microscopy. <i>Electroanalysis</i> , <b>2019</b> , 31, 2214-2223	3	9
178	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> , <b>2019</b> , 578, 123580	5.1	0
177	Evaluation of carbon-based nanostructures suitable for the development of black pigments and glazes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 580, 123718	5.1	4
176	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> , <b>2019</b> , 297, 126770	8.5	13
175	Fluorescein ether-ester dyes for labeling of fluorinated methacrylate nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111956	4.7	3
174	The link between yeast cell wall porosity and plasma membrane permeability after PEF treatment. <i>Scientific Reports</i> , <b>2019</b> , 9, 14731	4.9	15
173	TiO <sub>2</sub> /TiO-Structure Based 'Self-Heated' Sensor for the Determination of Some Reducing Gases. <i>Sensors</i> , <b>2019</b> , 20,	3.8	32

172	Towards microbial biofuel cells: Improvement of charge transfer by self-modification of microorganisms with conducting polymer Polypyrrole. <i>Chemical Engineering Journal</i> , <b>2019</b> , 356, 1014-1021	14.7	49
171	Physicochemical Characteristics of Polypyrrole/(Glucose oxidase)/(Prussian Blue)-based Biosensor Modified with Ni- and Co-Hexacyanoferrates. <i>Electroanalysis</i> , <b>2019</b> , 31, 50-57	3	17
170	Single-walled carbon nanotube based coating modified with reduced graphene oxide for the design of amperometric biosensors. <i>Materials Science and Engineering C</i> , <b>2019</b> , 98, 515-523	8.3	15
169	Photoluminescence immunosensor based on bovine leukemia virus proteins immobilized on the ZnO nanorods. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 285, 601-606	8.5	41
168	Electrochromic Sensors Based on Conducting Polymers, Metal Oxides, and Coordination Complexes. <i>Critical Reviews in Analytical Chemistry</i> , <b>2019</b> , 49, 195-208	5.2	44
167	Compact high-sensitivity potentiometer for detection of low ion concentrations in liquids. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 044704	1.7	2
166	Influence of ZnO/graphene nanolaminate periodicity on their structural and mechanical properties. <i>Journal of Materials Science and Technology</i> , <b>2018</b> , 34, 1487-1493	9.1	15
165	Fluorescence Quenching-Based Evaluation of Glucose Oxidase Composite with Conducting Polymer, Polypyrrole. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 9491-9498	3.8	17
164	Yeast-assisted synthesis of polypyrrole: Quantification and influence on the mechanical properties of the cell wall. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 164, 224-231	6	23
163	EDTA-modified PANI/SWNTs nanocomposite for differential pulse voltammetry based determination of Cu(II) ions. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 260, 331-338	8.5	69
162	Composites Based on Conducting Polymers and Carbon Nanomaterials for Heavy Metal Ion Sensing (Review). <i>Critical Reviews in Analytical Chemistry</i> , <b>2018</b> , 48, 293-304	5.2	87
161	Modification of <i>Aspergillus niger</i> by conducting polymer, Polypyrrole, and the evaluation of electrochemical properties of modified cells. <i>Bioelectrochemistry</i> , <b>2018</b> , 121, 46-55	5.6	29
160	An Amperometric Glucose Biosensor Based on Poly (Pyrrole-2-Carboxylic Acid)/Glucose Oxidase Biocomposite. <i>Electroanalysis</i> , <b>2018</b> , 30, 1642-1652	3	26
159	In-vitro model for assessing glucose diffusion through skin. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 110, 175-179	11.9	17
158	Analytical, thermodynamical and kinetic characteristics of photoluminescence immunosensor for the determination of Ochratoxin A. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 99, 237-243	11.8	65
157	EDTA_PANI/SWCNTs nanocomposite modified electrode for electrochemical determination of copper (II), lead (II) and mercury (II) ions. <i>Electrochimica Acta</i> , <b>2018</b> , 259, 930-938	6.7	125
156	EDA modified PANI/SWNTs nanocomposite for determination of Ni(II) metal ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 537, 303-309	5.1	17
155	Surfaces functionalized by graphene oxide nanosheets for single cell investigations. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 1735-1743	8.5	14



154	Real time study of amalgam formation and mercury adsorption on thin gold film by total internal reflection ellipsometry. <i>Applied Surface Science</i> , <b>2018</b> , 427, 298-303	6.7	7
153	Experimental and Theoretical Investigations of an Electrochromic Azobenzene and 3,4-Ethylenedioxythiophene-based Electrochemically Formed Polymeric Semiconductor. <i>ChemPhysChem</i> , <b>2018</b> , 19, 2735-2740	3.2	15
152	Towards the application of Al <sub>2</sub> O <sub>3</sub> /ZnO nanolaminates in immunosensors: total internal reflection spectroscopic ellipsometry based evaluation of BSA immobilization. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 8778-8783	7.1	23
151	Towards electrochromic ammonium ion sensors. <i>Electrochemistry Communications</i> , <b>2018</b> , 94, 41-44	5.1	9
150	Comparative study of antifungal activity of silver and gold nanoparticles synthesized by facile chemical approach. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 5837-5844	6.8	38
149	Interface engineering and solid-state organization for triindole-based p-type organic thin-film transistors. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 17889-17898	3.6	12
148	Porous silicon based photoluminescence immunosensor for rapid and highly-sensitive detection of Ochratoxin A. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 661-667	11.8	43
147	Insights into a hole transfer mechanism between glucose oxidase and a p-type organic semiconductor. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 449-455	11.8	25
146	Morphology of CdSe-Based Coatings Formed on Polyamide Substrate. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 604-613	1.3	3
145	Interaction mechanism between TiO nanostructures and bovine leukemia virus proteins in photoluminescence-based immunosensors.. <i>RSC Advances</i> , <b>2018</b> , 8, 37740-37748	3.7	20
144	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> , <b>2018</b> , 236-237, 139-146	3.1	17
143	Analytical Evaluation of Optical pH-Sensitivity of Polyaniline Layer Electrochemically Deposited on ITO Electrode. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, H903-H907	3.9	23
142	Nanocomposite Platform Based on EDTA Modified Ppy/SWNTs for the Sensing of Pb(II) Ions by Electrochemical Method. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 451	5	29
141	Synthesis of Polypyrrole Induced by [Fe(CN)] <sup>3-</sup> and Redox Cycling of [Fe(CN)] <sup>4-</sup> /[Fe(CN)] <sup>3-</sup> <i>Polymers</i> , <b>2018</b> , 10,	4.5	18
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139	Amperometric Glucose Biosensor Based on Electrochemically Deposited Gold Nanoparticles Covered by Polypyrrole. <i>Electroanalysis</i> , <b>2017</b> , 29, 1267-1277	3	56
138	Evaluation of Electron Transfer in Electrochemical System Based on Immobilized Gold Nanoparticles and Glucose Oxidase. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, G45-G49	3.9	34
137	Study of Pyrotechnic Blue Strobe Compositions Based on Ammonium Perchlorate and Tetramethylammonium Nitrate. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 1113-1119	2.3	9

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135	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> , <b>2017</b> , 171, 204-212	6.2	18
134	Polyurethane-gold and polyurethane-silver nanoparticles conjugates for efficient immobilization of maltogenase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 532, 436-443	5.1	11
133	Evaluation of Enzymatic Kinetics of GOx-based Electrodes by Scanning Electrochemical Microscopy at Redox Competition Mode. <i>Electroanalysis</i> , <b>2017</b> , 29, 1532-1542	3	13
132	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> , <b>2017</b> , 532, 165-171	5.1	42
131	Toward development of optical biosensors based on photoluminescence of TiO <sub>2</sub> nanoparticles for the detection of Salmonella. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 252, 95-102	8.5	48
130	Evaluation of enzymatic formation of polyaniline nanoparticles. <i>Polymer</i> , <b>2017</b> , 115, 211-216	3.9	29
129	Hybrid electrochemical/electrochromic Cu(II) ion sensor prototype based on PANI/ITO-electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 248, 527-535	8.5	93
128	Antibacterial and antifungal activity of silver nanospheres synthesized by tri-sodium citrate assisted chemical approach. <i>Vacuum</i> , <b>2017</b> , 146, 259-265	3.7	51
127	Hybrid system based on fast Fourier transform electrochemical impedance spectroscopy combined with scanning electrochemical microscopy. <i>Electrochemistry Communications</i> , <b>2017</b> , 83, 110-112	5.1	13
126	Gold coated porous silicon nanocomposite as a substrate for photoluminescence-based immunosensor suitable for the determination of Aflatoxin B1. <i>Talanta</i> , <b>2017</b> , 175, 297-304	6.2	41
125	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> , <b>2017</b> , 71, 905-912	1.9	3
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123	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> , <b>2017</b> , 92, 763-769	11.8	43
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121	Electrochemical polypyrrole formation from pyrrole 'adlayer'. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 1029-1038	3.6	22
120	Amperometric Glucose Biosensor Based on Titanium Electrode Modified with Prussian Blue Layer and Immobilized Glucose Oxidase. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, B781-B784	3.9	14
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118	Carbon nanostructures for electrochemical sensors <b>2017</b> ,		1
117	Towards electrochemical/electrochromic sensors based on polyaniline modified indium tin oxide electrodes <b>2017</b> ,		2
116	Optical sensors based on electrochromic conducting polymers <b>2017</b> ,		3
115	9,10-Phenanthrenequinone as a redox mediator for the imaging of yeast cells by scanning electrochemical microscopy. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 228, 200-206	8.5	22
114	Considerations in producing preferentially reduced half-antibody fragments. <i>Journal of Immunological Methods</i> , <b>2016</b> , 429, 50-6	2.5	25
113	Enhancement of Electronic and Optical Properties of ZnO/Al <sub>2</sub> O <sub>3</sub> Nanolaminate Coated Electrospun Nanofibers. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 5124-5132	3.8	80
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111	Synthesis of polypyrrole microspheres by <i>Streptomyces</i> spp.. <i>Polymer</i> , <b>2016</b> , 84, 99-106	3.9	23
110	Evaluation of 1,10-phenanthroline-5,6-dione as redox mediator for glucose oxidase. <i>Journal of Analytical Chemistry</i> , <b>2016</b> , 71, 77-81	1.1	2
109	Tunable Bloch surface waves in anisotropic photonic crystals based on lithium niobate thin films. <i>Optics Letters</i> , <b>2016</b> , 41, 5616-5619	3	18
108	Modelling of Scanning Electrochemical Microscopy at Redox Competition Mode Using Diffusion and Reaction Equations. <i>Electrochimica Acta</i> , <b>2016</b> , 222, 347-354	6.7	14
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106	Tuning of Structural and Optical Properties of Graphene/ZnO Nanolaminates. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 23716-23725	3.8	68
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95	The substrate matters in the Raman spectroscopy analysis of cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 13150	4.9	51
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89	Characterization of caffeine-imprinted polypyrrole by a quartz crystal microbalance and electrochemical impedance spectroscopy. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 212, 63-71	8.5	66
88	Development of poly(3-aminophenylboronic acid) modified graphite rod electrode suitable for fluoride determination. <i>Talanta</i> , <b>2014</b> , 126, 202-7	6.2	14
87	Electrochemical formation of polypyrrole-based layer for immunosensor design. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 197, 237-243	8.5	60
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83	Resonant gravimetric immunosensing based on capacitive micromachined ultrasound transducers. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 1749-1757	5.8	23

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81	Optical and structural properties of Al <sub>2</sub> O <sub>3</sub> /ZnO nanolaminates deposited by ALD method. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2014</b> , 11, 1505-1508		6
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9	Biofuel cell based on direct bioelectrocatalysis. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1962-7	11.8	165
8	Chronic caffeine intake affects lysozyme activity and immune cells in mice. <i>Journal of Pharmacy and Pharmacology</i> , <b>2004</b> , 56, 671-6	4.8	14
7	Wiring of PQQ-dehydrogenases. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 20, 1217-22	11.8	78
6	Pulsed amperometric detection of DNA with an ssDNA/polypyrrole-modified electrode. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 379, 287-93	4.4	103
5	Molecularly imprinted polypyrrole-based synthetic receptor for direct detection of bovine leukemia virus glycoproteins. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 20, 1076-82	11.8	191
4	Catalytic Biosensors Based on Conducting Polymers <b>2004</b> , 93-109		4
3	Bioelectrochemical application of some PQQ-dependent enzymes. <i>Bioelectrochemistry</i> , <b>2002</b> , 55, 29-32	5.6	63
2	An Oxygen-Insensitive Reagentless Glucose Biosensor Based on Osmium-Complex Modified Polypyrrole. <i>Electroanalysis</i> , <b>2000</b> , 12, 1383-1389	3	110
1	Polypyrrole-entrapped quinohemoprotein alcohol dehydrogenase. Evidence for direct electron transfer via conducting-polymer chains. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 3581-6	7.8	138