

Tautgirdas Ruzgas

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140
papers

6,127
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46
h-index

73
g-index

143
ext. papers

6,514
ext. citations

6
avg, IF

5.42
L-index

#	Paper	IF	Citations
140	Direct electron transfer between copper-containing proteins and electrodes. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 2517-54	11.8	518
139	Peroxidase-modified electrodes: Fundamentals and application. <i>Analytica Chimica Acta</i> , 1996 , 330, 123-133	11.8	435
138	Direct electron transfer reactions of laccases from different origins on carbon electrodes. <i>Bioelectrochemistry</i> , 2005 , 67, 115-24	5.6	194
137	Biofuel cell as a power source for electronic contact lenses. <i>Biosensors and Bioelectronics</i> , 2012 , 37, 38-45	11.8	166
136	Mediatorless biosensor for H ₂ O ₂ based on recombinant forms of horseradish peroxidase directly adsorbed on polycrystalline gold. <i>Biosensors and Bioelectronics</i> , 2001 , 16, 147-57	11.8	150
135	Electrochemical redox transformations of T1 and T2 copper sites in native <i>Trametes hirsuta</i> laccase at gold electrode. <i>Biochemical Journal</i> , 2005 , 385, 745-54	3.8	141
134	Direct electron transfer from graphite and functionalized gold electrodes to T1 and T2/T3 copper centers of bilirubin oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 1364-9	4.6	126
133	Biosensors based on novel peroxidases with improved properties in direct and mediated electron transfer. <i>Biosensors and Bioelectronics</i> , 2000 , 15, 491-7	11.8	120
132	Direct Electron Transfer Between Ligninolytic Redox Enzymes and Electrodes. <i>Electroanalysis</i> , 2004 , 16, 1074-1092	3	118
131	Electrochemical oxidation of mono- and disaccharides at fresh as well as oxidized copper electrodes in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 464, 252-258	4.1	113
130	Direct electron transfer of heme- and molybdopterin cofactor-containing chicken liver sulfite oxidase on alkanethiol-modified gold electrodes. <i>Analytical Chemistry</i> , 2003 , 75, 4841-50	7.8	111
129	The use of single walled carbon nanotubes dispersed in a chitosan matrix for preparation of a galactose biosensor. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1820-4	11.8	110
128	Direct heterogeneous electron transfer reactions of bilirubin oxidase at a spectrographic graphite electrode. <i>Electrochemistry Communications</i> , 2004 , 6, 934-939	5.1	110
127	Bioelectrochemical monitoring of phenols and aromatic amines in flow injection using novel plant peroxidases. <i>Analytical Chemistry</i> , 1998 , 70, 2596-600	7.8	110
126	A membrane-, mediator-, cofactor-less glucose/oxygen biofuel cell. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6093-6	3.6	109
125	Sensor and biosensor based on Prussian Blue modified gold and platinum screen printed electrodes. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 193-200	11.8	98
124	Amperometric detection of mono- and diphenols at <i>Cerrena unicolor</i> laccase-modified graphite electrode: correlation between sensitivity and substrate structure. <i>Talanta</i> , 2005 , 66, 1219-24	6.2	94

123	Dispersion of single walled carbon nanotubes. Comparison of different dispersing strategies for preparation of modified electrodes toward hydrogen peroxide detection. <i>Electrochemistry Communications</i> , 2006 , 8, 899-903	5.1	79
122	Use of laccase-modified electrode for amperometric detection of plant flavonoids. <i>Enzyme and Microbial Technology</i> , 2004 , 35, 238-241	3.8	79
121	Direct Heterogeneous Electron Transfer Reactions of <i>Trametes hirsuta</i> Laccase at Bare and Thiol-Modified Gold Electrodes. <i>Electroanalysis</i> , 2006 , 18, 1901-1908	3	78
120	Direct electron transfer between the heme of cellobiose dehydrogenase and thiol modified gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 494, 105-113	4.1	75
119	Rate-limiting steps of tyrosinase-modified electrodes for the detection of catechol. <i>Analytical Chemistry</i> , 1996 , 68, 1605-11	7.8	70
118	Effect of cysteine mutations on direct electron transfer of horseradish peroxidase on gold. <i>Biosensors and Bioelectronics</i> , 2002 , 17, 953-63	11.8	69
117	Sensor for Hydrogen Peroxide Based on Prussian Blue Modified Electrode. Improvement of the Operational Stability.. <i>Analytical Sciences</i> , 2000 , 16, 795-798	1.7	66
116	Amperometric detection of phenols using peroxidase-modified graphite electrodes. <i>Analytica Chimica Acta</i> , 1997 , 347, 51-62	6.6	64
115	On-Chip Determination of Dopamine Exocytosis Using Mercaptopropionic Acid Modified Microelectrodes. <i>Electroanalysis</i> , 2007 , 19, 263-271	3	62
114	Direct electron transfer catalysed by recombinant forms of horseradish peroxidase: insight into the mechanism. <i>Electrochemistry Communications</i> , 1999 , 1, 171-175	5.1	62
113	Development of enzyme-based amperometric sensors for the determination of phenolic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 1995 , 14, 319-328	14.6	61
112	Direct electron transfer of cellobiose dehydrogenase from various biological origins at gold and graphite electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 496, 76-81	4.1	60
111	Biosensor based on cellobiose dehydrogenase for detection of catecholamines. <i>Analytical Chemistry</i> , 2004 , 76, 4690-6	7.8	59
110	Development of a cellobiose dehydrogenase modified electrode for amperometric detection of diphenols. <i>Analyst, The</i> , 1999 , 124, 527-532	5	59
109	Chemometric exploration of an amperometric biosensor array for fast determination of wastewater quality. <i>Biosensors and Bioelectronics</i> , 2005 , 21, 608-17	11.8	58
108	Interaction of fungal laccases and laccase-mediator systems with lignin. <i>Enzyme and Microbial Technology</i> , 2006 , 39, 841-847	3.8	56
107	Direct electron transfer--a favorite electron route for cellobiose dehydrogenase (CDH) from <i>Trametes villosa</i> . Comparison with CDH from <i>Phanerochaete chrysosporium</i> . <i>Langmuir</i> , 2006 , 22, 10801-4		55
106	Direct heterogeneous electron transfer of recombinant horseradish peroxidases on gold. <i>Faraday Discussions</i> , 2000 , 281-9; discussion 335-51	3.6	55

105	Laccase/gold nanoparticle assisted bioelectrocatalytic reduction of oxygen. <i>Electrochemistry Communications</i> , 2010 , 12, 933-935	5.1	54
104	Diffusionless electron transfer of microperoxidase-11 on gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 469, 123-131	4.1	54
103	Skin membrane electrical impedance properties under the influence of a varying water gradient. <i>Biophysical Journal</i> , 2013 , 104, 2639-50	2.9	52
102	Self-powered wireless carbohydrate/oxygen sensitive biodevice based on radio signal transmission. <i>PLoS ONE</i> , 2014 , 9, e109104	3.7	52
101	Amperometric monitoring of redox activity in living yeast cells: comparison of menadione and menadione sodium bisulfite as electron transfer mediators. <i>Electrochemistry Communications</i> , 2004 , 6, 219-224	5.1	52
100	Direct electron transfer in the system gold electrode/recombinant horseradish peroxidases. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 509, 19-26	4.1	50
99	Redox hydrogel based bienzyme electrode for L-glutamate monitoring. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999 , 19, 93-105	3.5	49
98	Comparison of rotating disk and wall-jet electrode systems for studying the kinetics of direct and mediated electron transfer for horseradish peroxidase on a graphite electrode. <i>Journal of Electroanalytical Chemistry</i> , 1998 , 458, 113-120	4.1	48
97	Bioelectrochemical characterisation of cellobiose dehydrogenase modified graphite electrodes: ionic strength and pH dependences. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 482, 1-10	4.1	48
96	On the Possibility of Uphill Intramolecular Electron Transfer in Multicopper Oxidases: Electrochemical and Quantum Chemical Study of Bilirubin Oxidase. <i>Electroanalysis</i> , 2012 , 24, 1524-1540 ³		47
95	Electrochemical investigation of cellobiose dehydrogenase from new fungal sources on Au electrodes. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 2010-8	11.8	47
94	Bioelectrochemical studies of azurin and laccase confined in three-dimensional chips based on gold-modified nano-/microstructured silicon. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1001-7	11.8	46
93	Monitoring of <i>Saccharomyces cerevisiae</i> cell proliferation on thiol-modified planar gold microelectrodes using impedance spectroscopy. <i>Langmuir</i> , 2008 , 24, 9066-73	4	45
92	Direct Electrochemistry of Proteins and Enzymes. <i>Perspectives in Bioanalysis</i> , 2005 , 517-598		45
91	Fully automated microchip system for the detection of quantal exocytosis from single and small ensembles of cells. <i>Lab on A Chip</i> , 2008 , 8, 323-9	7.2	44
90	Electron Transfer between Surface-Confined Cytochrome c and an N-Acetylcysteine-Modified Gold Electrode. <i>Langmuir</i> , 1998 , 14, 7298-7305	4	42
89	Spectroelectrochemical study of cellobiose dehydrogenase and diaphorase in a thiol-modified gold capillary in the absence of mediators. <i>Bioelectrochemistry</i> , 2001 , 53, 243-9	5.6	41
88	PVC-Based Ion-Selective Electrodes with a Silicone Rubber Outer Coating with Improved Analytical Performance. <i>Analytical Chemistry</i> , 2019 , 91, 10524-10531	7.8	40

87	Oxidation of indole-3-acetic acid by dioxygen catalysed by plant peroxidases: specificity for the enzyme structure. <i>Biochemical Journal</i> , 1999 , 340, 579	3.8	38
86	Bioelectrocatalytic reduction of oxygen at gold nanoparticles modified with laccase. <i>Bioelectrochemistry</i> , 2014 , 95, 1-6	5.6	34
85	Effect of HY-zeolites on the performance of tyrosinase-modified carbon paste electrodes. <i>Electroanalysis</i> , 1996 , 8, 1121-1126	3	34
84	The effects of polar excipients transcutol and dexpanthenol on molecular mobility, permeability, and electrical impedance of the skin barrier. <i>Journal of Colloid and Interface Science</i> , 2016 , 479, 207-220	9.3	34
83	Simultaneous amperometric determination of some mono-, di-, and oligosaccharides in flow injection and liquid chromatography using two working enzyme electrodes with different selectivity. <i>Analytica Chimica Acta</i> , 1997 , 349, 179-188	6.6	33
82	Characterization of two new multiforms of <i>Trametes pubescens</i> laccase. <i>Bioorganic Chemistry</i> , 2007 , 35, 35-49	5.1	33
81	In-field monitoring of cleaning efficiency in waste water treatment plants using two phenol-sensitive biosensors. <i>Analytica Chimica Acta</i> , 2002 , 456, 3-17	6.6	33
80	Textile-based sampling for potentiometric determination of ions. <i>Analytica Chimica Acta</i> , 2015 , 877, 71-96.6		31
79	Polymer multilayer film formation studied by in situ ellipsometry and electrochemistry. <i>Bioelectrochemistry</i> , 2009 , 76, 153-61	5.6	31
78	Effects of pretreatments and modifiers on electrochemical properties of carbon paste electrodes. <i>Electroanalysis</i> , 1997 , 9, 357-365	3	30
77	Amperometric response from the glycolytic versus the pentose phosphate pathway in <i>Saccharomyces cerevisiae</i> cells. <i>Analytical Chemistry</i> , 2007 , 79, 8919-26	7.8	30
76	The influence of nanoparticles on enzymatic bioelectrocatalysis. <i>RSC Advances</i> , 2014 , 4, 38164-38168	3.7	29
75	Spectroelectrochemistry of cytochrome P450cam. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 314, 810-6	3.4	29
74	In Situ Potentiometry and Ellipsometry: A Promising Tool to Study Biofouling of Potentiometric Sensors. <i>Analytical Chemistry</i> , 2016 , 88, 3009-14	7.8	28
73	Laccase-based biosensors for monitoring lignin. <i>Enzyme and Microbial Technology</i> , 2006 , 39, 835-840	3.8	28
72	Mediator-assisted simultaneous probing of cytosolic and mitochondrial redox activity in living cells. <i>Analytical Biochemistry</i> , 2009 , 384, 11-9	3.1	26
71	Autoreduction and aggregation of fungal laccase in solution phase: possible correlation with a resting form of laccase. <i>Biochimie</i> , 2006 , 88, 1275-85	4.6	25
70	Investigation of the Effect of Different Glassy Carbon Materials on the Performance of Prussian Blue Based Sensors for Hydrogen Peroxide. <i>Electroanalysis</i> , 2003 , 15, 175-182	3	24

69	Pool boiling of HFE-7200 on nanoparticle-coating surfaces: Experiments and heat transfer analysis. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 133, 548-560	4.9	24
68	Oligosaccharide dehydrogenase-modified graphite electrodes for the amperometric determination of sugars in a flow injection system. <i>Analytical Chemistry</i> , 1997 , 69, 4039-44	7.8	23
67	A Reagentless Amperometric Carbon Paste Based Sensor for NADH. <i>Electroanalysis</i> , 2000 , 12, 194-198	3	23
66	Transistor-like behavior of a fungal laccase. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7270-4	16.4	22
65	Electrochemical characterization and application of azurin-modified gold electrodes for detection of superoxide. <i>Biosensors and Bioelectronics</i> , 2006 , 22, 213-9	11.8	21
64	Design and Characterization of Ethosomes for Transdermal Delivery of Caffeic Acid. <i>Pharmaceutics</i> , 2020 , 12,	6.4	21
63	Direct heterogeneous electron transfer of theophylline oxidase. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 176-83	11.8	20
62	A steady-state and flow-through cell for screen-printed eight-electrode arrays. <i>Analytica Chimica Acta</i> , 2005 , 531, 165-172	6.6	20
61	Electrochemical monitoring of native catalase activity in skin using skin covered oxygen electrode. <i>Biosensors and Bioelectronics</i> , 2017 , 93, 9-13	11.8	19
60	LC-Biosensor System for the Determination of the Neurotoxin β -N-Oxalyl-L-Homocysteine. <i>Analytical Chemistry</i> , 1997 , 69, 3471-5	7.8	19
59	Electrocatalytic Oxidation of Coenzyme NADH at Carbon Paste Electrodes, Modified with Zirconium Phosphate and Some Redox Mediators. <i>Journal of Colloid and Interface Science</i> , 2000 , 224, 325-332	9.3	19
58	Direct and mediated electron transfer catalyzed by anionic tobacco peroxidase. <i>Applied Biochemistry and Biotechnology</i> , 2000 , 88, 321-334	3.2	19
57	Flexible micro(bio)sensors for quantitative analysis of bioanalytes in a nanovolume of human lachrymal liquid. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 3871-9	4.4	18
56	Prediction of wastewater quality using amperometric bioelectronic tongues. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 375-82	11.8	17
55	In-vitro model for assessing glucose diffusion through skin. <i>Biosensors and Bioelectronics</i> , 2018 , 110, 1751-1759	11.79	17
54	Spectroelectrochemical study of heme- and molybdopterin cofactor-containing chicken liver sulphite oxidase. <i>Bioelectrochemistry</i> , 2004 , 63, 49-53	5.6	17
53	Characterization of tyrosinase-teflon/graphite composite electrodes for the determination of catechol in environmental analysis. <i>Electroanalysis</i> , 1996 , 8, 885-890	3	17
52	Sensing by wireless reading Ag/AgCl redox conversion on RFID tag: universal, battery-less biosensor design. <i>Scientific Reports</i> , 2019 , 9, 12948	4.9	16

51	Recombinant horseradish peroxidase - and cytochrome c-based two-electrode system for detection of superoxide radicals. <i>Bioelectrochemistry</i> , 2004 , 63, 277-80	5.6	16
50	Spraying enzymes in microemulsions of AOT in nonpolar organic solvents for fabrication of enzyme electrodes. <i>Analytical Chemistry</i> , 2005 , 77, 7074-9	7.8	15
49	Simultaneous use of electrochemistry and chemiluminescence to detect reactive oxygen species produced by human neutrophils. <i>Cell Biology International</i> , 2008 , 32, 1486-96	4.5	14
48	Direct Electron Transfer Between Graphite Electrodes and Ligninolytic Peroxidases from <i>Phanerochaete chrysosporium</i> . <i>Electroanalysis</i> , 2002 , 14, 1411-1418	3	14
47	Screen-Printed Carbon Electrodes Modified with Cellobiose Dehydrogenase: Amplification Factor for Catechol vs. Reversibility of Ferricyanide. <i>Electroanalysis</i> , 2003 , 15, 492-498	3	14
46	Characterization of graphite electrodes modified with laccases from <i>Trametes hirsuta</i> and <i>Cerrena unicolor</i> and their use for flow injection amperometric determination of some phenolic compounds. <i>International Journal of Environmental Analytical Chemistry</i> , 2005 , 85, 753-770	1.8	14
45	Comparison of bioelectrocatalysis at <i>Trichaptum abietinum</i> and <i>Trametes hirsuta</i> laccase modified electrodes. <i>Electrochimica Acta</i> , 2014 , 130, 141-147	6.7	13
44	Highly sensitive detection and quantification of the secreted bacterial benevolence factor RoxP using a capacitive biosensor: A possible early detection system for oxidative skin diseases. <i>PLoS ONE</i> , 2018 , 13, e0193754	3.7	13
43	Polyphenol-hydrogen peroxide reactions in skin: In Vitro model relevant to study ROS reactions at inflammation. <i>Analytica Chimica Acta</i> , 2019 , 1075, 91-97	6.6	12
42	Impact of the Gold Support on the Electrocatalytic Oxidation of Sugars at Enzyme-Modified Electrodes. <i>Electroanalysis</i> , 2011 , 23, 927-930	3	12
41	Nanoplatelet MoS ₂ arrays decorated with Pt nanoparticles for non-enzymatic detection of hydrogen peroxide. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 839, 274-282	4.1	11
40	Characterization of nano-layered solid-contact ion selective electrodes by simultaneous potentiometry and quartz crystal microbalance with dissipation. <i>Analytica Chimica Acta</i> , 2020 , 1128, 19-30	6.6	11
39	Proteolytic degradation of gelatin-tannic acid multilayers. <i>Journal of Colloid and Interface Science</i> , 2018 , 526, 244-252	9.3	11
38	Gold-modified paper as microfluidic substrates with reduced biofouling in potentiometric ion sensing. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130200	8.5	11
37	The Effect of UVB Irradiation and Oxidative Stress on the Skin Barrier-A New Method to Evaluate Sun Protection Factor Based on Electrical Impedance Spectroscopy. <i>Sensors</i> , 2019 , 19,	3.8	10
36	Effects of surfactants and thermodynamic activity of model active ingredient on transport over plant leaf cuticle. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 103, 572-9	6	10
35	Multivariate data analysis of dynamic amperometric biosensor responses from binary analyte mixtures-application of sensitivity correction algorithms. <i>Talanta</i> , 2005 , 65, 298-305	6.2	10
34	Development of a Laccase-Modified Electrode for Amperometric Detection of Mono- and Diphenols. The Influence of Enzyme Storage Method. <i>Analytical Letters</i> , 2004 , 37, 1497-1513	2.2	10

33	Activity of lactoperoxidase when adsorbed on protein layers. <i>Talanta</i> , 2008 , 76, 1159-64	6.2	9
32	Amperometric monitoring of redox activity in intact, permeabilised and lyophilised cells of the yeast <i>Hansenula polymorpha</i> . <i>Electrochemistry Communications</i> , 2007 , 9, 1480-1485	5.1	9
31	Stabilisation of tyrosinase by reversed micelles for bioelectrocatalysis in dry organic media. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003 , 1620, 119-24	4	9
30	Cellobiose Dehydrogenase and Peroxidase Biosensors for Determination of Phenolic Compounds. <i>ACS Symposium Series</i> , 2000 , 113-124	0.4	9
29	Electrooxidation mechanism of biogenic amines at amine oxidase modified graphite electrode. <i>Analytical Chemistry</i> , 2000 , 72, 5988-93	7.8	9
28	Effect of interfering substances on current response of recombinant peroxidase and glucose oxidase-recombinant peroxidase modified graphite electrodes. <i>Analyst, The</i> , 2001 , 126, 1929-35	5	9
27	Skin hydration dynamics investigated by electrical impedance techniques in vivo and in vitro. <i>Scientific Reports</i> , 2020 , 10, 17218	4.9	9
26	The Potential of Caffeic Acid Lipid Nanoparticulate Systems for Skin Application: In Vitro Assays to Assess Delivery and Antioxidant Effect. <i>Nanomaterials</i> , 2021 , 11,	5.4	9
25	Wireless, Battery-Less Biosensors Based on Direct Electron Transfer Reactions. <i>ChemElectroChem</i> , 2019 , 6, 5167-5171	4.3	8
24	Amperometric monitoring of quercetin permeation through skin membranes. <i>International Journal of Pharmaceutics</i> , 2015 , 496, 636-43	6.5	8
23	Electrochemical evidence of self-substrate inhibition as functions regulation for cellobiose dehydrogenase from <i>Phanerochaete chrysosporium</i> . <i>Bioelectrochemistry</i> , 2009 , 76, 42-52	5.6	8
22	New concepts for transdermal delivery of oxygen based on catalase biochemical reactions studied by oxygen electrode amperometry. <i>Journal of Controlled Release</i> , 2019 , 306, 121-129	11.7	5
21	Amperometric In Vitro Monitoring of Penetration through Skin Membrane. <i>Electroanalysis</i> , 2015 , 27, 111-117	3	5
20	Highly Stable Passive Wireless Sensor for Protease Activity Based on Fatty Acid-Coupled Gelatin Composite Films. <i>Analytical Chemistry</i> , 2020 , 92, 13110-13117	7.8	5
19	Integrating an ex-vivo skin biointerface with electrochemical DNA biosensor for direct measurement of the protective effect of UV blocking agents. <i>Biosensors and Bioelectronics</i> , 2019 , 128, 159-165	11.8	5
18	Tissue-based biosensor for monitoring the antioxidant effect of orally administered drugs in the intestine. <i>Bioelectrochemistry</i> , 2021 , 138, 107720	5.6	5
17	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	4
16	Oligosaccharide dehydrogenase-catalyzed assay for the determination of polysaccharides. <i>Analytical Biochemistry</i> , 1998 , 265, 151-6	3.1	4

15	Comparison of carbon paste electrodes modified with native and polyethylene glycol derivatized horseradish peroxidases for the amperometric monitoring of H ₂ O ₂ . <i>Sensors and Actuators B: Chemical</i> , 1996 , 37, 97-102	8.5	4
14	Visualisation of HO penetration through skin indicates importance to develop pathway-specific epidermal sensing. <i>Mikrochimica Acta</i> , 2020 , 187, 656	5.8	4
13	Paper-Based Competitive Immunochromatography Coupled with an Enzyme-Modified Electrode to Enable the Wireless Monitoring and Electrochemical Sensing of Cotinine in Urine. <i>Sensors</i> , 2021 , 21,	3.8	4
12	Impact of molecular linker size on physicochemical properties of assembled gold nanoparticle mono-/multi-layers and their applicability for functional binding of biomolecules. <i>Journal of Colloid and Interface Science</i> , 2019 , 543, 307-316	9.3	3
11	Quantification of BSA concentration by using Ag electrochemistry in chloride solution: extension of the linear range. <i>Electrochimica Acta</i> , 2014 , 135, 351-355	6.7	3
10	Effect of IFN- β on the kynurenine/tryptophan ratio in monolayer-cultured keratinocytes and a 3D reconstructed human epidermis model. <i>Journal of Dermatological Science</i> , 2020 , 99, 177-184	4.3	2
9	Non-invasive skin sampling of tryptophan/kynurenine ratio in vitro towards a skin cancer biomarker. <i>Scientific Reports</i> , 2021 , 11, 678	4.9	2
8	Glucose-to-Resistor Transduction Integrated into a Radio-Frequency Antenna for Chip-less and Battery-less Wireless Sensing.. <i>ACS Sensors</i> , 2022 ,	9.2	2
7	Determination of Total Protein Concentration in Solution Using Gold Electrode Modified with Silver Nanoparticles. <i>Electroanalysis</i> , 2015 , 27, 253-257	3	1
6	Probing Skin Barrier Recovery on Molecular Level Following Acute Wounds: An In Vivo/Ex Vivo Study on Pigs. <i>Biomedicines</i> , 2021 , 9,	4.8	1
5	Optimization of sample preparation for transporter protein quantification in tissues by LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 164, 9-15	3.5	1
4	Franz cells for facile biosensor evaluation: A case of HRP/SWCNT-based hydrogen peroxide detection via amperometric and wireless modes. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113420	11.8	1
3	Catalase Activity in Keratinocytes, Stratum Corneum, and Defatted Algae Biomass as a Potential Skin Care Ingredient.. <i>Biomedicines</i> , 2021 , 9,	4.8	1
2	Development of a Plastic Membrane Containing Micro-hole(s) for a Potential Bio-sensing Application. <i>Procedia Technology</i> , 2017 , 27, 252-253		
1	Battery-free radio frequency wireless sensor for bacteria based on their degradation of gelatin-fatty acid composite films. <i>Electrochimica Acta</i> , 2021 , 381, 138275	6.7	