Tautgirdas Ruzgas

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7326416/publications.pdf

Version: 2024-02-01

142 papers	7,138 citations	41344 49 h-index	64796 79 g-index
143 all docs	143 docs citations	143 times ranked	5494 citing authors

#	Article	IF	Citations
1	Direct electron transfer between copper-containing proteins and electrodes. Biosensors and Bioelectronics, 2005, 20, 2517-2554.	10.1	568
2	Peroxidase-modified electrodes: Fundamentals and application. Analytica Chimica Acta, 1996, 330, 123-138.	5.4	504
3	Direct electron transfer reactions of laccases from different origins on carbon electrodes. Bioelectrochemistry, 2005, 67, 115-124.	4.6	212
4	Biofuel cell as a power source for electronic contact lenses. Biosensors and Bioelectronics, 2012, 37, 38-45.	10.1	190
5	Mediatorless biosensor for H2O2 based on recombinant forms of horseradish peroxidase directly adsorbed on polycrystalline gold. Biosensors and Bioelectronics, 2001, 16, 147-157.	10.1	164
6	Electrochemical redox transformations of T1 and T2 copper sites in native Trametes hirsuta laccase at gold electrode. Biochemical Journal, 2005, 385, 745-754.	3.7	155
7	Direct electron transfer from graphite and functionalized gold electrodes to T1 and T2/T3 copper centers of bilirubin oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1364-1369.	1.0	140
8	Direct Electron Transfer Between Ligninolytic Redox Enzymes and Electrodes. Electroanalysis, 2004, 16, 1074-1092.	2.9	131
9	Biosensors based on novel peroxidases with improved properties in direct and mediated electron transfer. Biosensors and Bioelectronics, 2000, 15, 491-497.	10.1	130
10	The use of single walled carbon nanotubes dispersed in a chitosan matrix for preparation of a galactose biosensor. Biosensors and Bioelectronics, 2007, 22, 1820-1824.	10.1	128
11	Direct heterogeneous electron transfer reactions of bilirubin oxidase at a spectrographic graphite electrode. Electrochemistry Communications, 2004, 6, 934-939.	4.7	126
12	Electrochemical oxidation of mono- and disaccharides at fresh as well as oxidized copper electrodes in alkaline media. Journal of Electroanalytical Chemistry, 1999, 464, 252-258.	3.8	125
13	Bioelectrochemical Monitoring of Phenols and Aromatic Amines in Flow Injection Using Novel Plant Peroxidases. Analytical Chemistry, 1998, 70, 2596-2600.	6.5	124
14	Direct Electron Transfer of Heme- and Molybdopterin Cofactor-Containing Chicken Liver Sulfite Oxidase on Alkanethiol-Modified Gold Electrodes. Analytical Chemistry, 2003, 75, 4841-4850.	6.5	121
15	A membrane-, mediator-, cofactor-less glucose/oxygen biofuel cell. Physical Chemistry Chemical Physics, 2008, 10, 6093.	2.8	118
16	Sensor and biosensor based on Prussian Blue modified gold and platinum screen printed electrodes. Biosensors and Bioelectronics, 2003, 18, 193-200.	10.1	115
17	Amperometric detection of mono- and diphenols at laccase-modified graphite electrode: correlation between sensitivity and substrate structure. Talanta, 2005, 66, 1219-1224.	5.5	104
18	Use of laccase-modified electrode for amperometric detection of plant flavonoids. Enzyme and Microbial Technology, 2004, 35, 238-241.	3.2	94

#	Article	IF	Citations
19	Development of enzyme-based amperometric sensors for the determination of phenolic compounds. TrAC - Trends in Analytical Chemistry, 1995, 14, 319-328.	11.4	89
20	Direct Heterogeneous Electron Transfer Reactions ofTrametes hirsuta Laccase at Bare and Thiol-Modified Gold Electrodes. Electroanalysis, 2006, 18, 1901-1908.	2.9	88
21	Dispersion of single walled carbon nanotubes. Comparison of different dispersing strategies for preparation of modified electrodes toward hydrogen peroxide detection. Electrochemistry Communications, 2006, 8, 899-903.	4.7	87
22	Rate-Limiting Steps of Tyrosinase-Modified Electrodes for the Detection of Catechol. Analytical Chemistry, 1996, 68, 1605-1611.	6.5	83
23	Direct electron transfer between the heme of cellobiose dehydrogenase and thiol modified gold electrodes. Journal of Electroanalytical Chemistry, 2000, 494, 105-113.	3.8	80
24	Amperometric detection of phenols using peroxidase-modified graphite electrodes. Analytica Chimica Acta, 1997, 347, 51-62.	5.4	78
25	Sensor for Hydrogen Peroxide Based on Prussian Blue Modified Electrode. Improvement of the Operational Stability.. Analytical Sciences, 2000, 16, 795-798.	1.6	78
26	Effect of cysteine mutations on direct electron transfer of horseradish peroxidase on gold. Biosensors and Bioelectronics, 2002, 17, 953-963.	10.1	75
27	Chemometric exploration of an amperometric biosensor array for fast determination of wastewater quality. Biosensors and Bioelectronics, 2005, 21, 608-617.	10.1	71
28	On-Chip Determination of Dopamine Exocytosis Using Mercaptopropionic Acid Modified Microelectrodes. Electroanalysis, 2007, 19, 263-271.	2.9	71
29	Direct electron transfer catalysed by recombinant forms of horseradish peroxidase: insight into the mechanism. Electrochemistry Communications, 1999, 1, 171-175.	4.7	70
30	Direct electron transfer of cellobiose dehydrogenase from various biological origins at gold and graphite electrodes. Journal of Electroanalytical Chemistry, 2001, 496, 76-81.	3.8	69
31	Skin Membrane Electrical Impedance Properties under the Influence of a Varying Water Gradient. Biophysical Journal, 2013, 104, 2639-2650.	0.5	68
32	Biosensor Based on Cellobiose Dehydrogenase for Detection of Catecholamines. Analytical Chemistry, 2004, 76, 4690-4696.	6.5	65
33	Direct heterogeneous electron transfer of recombinant horseradish peroxidases on gold. Faraday Discussions, 2000, 116, 281-289.	3.2	63
34	Development of a cellobiose dehydrogenase modified electrode for amperometric detection of diphenols. Analyst, The, 1999, 124, 527-532.	3.5	62
35	Diffusionless electron transfer of microperoxidase-11 on gold electrodes. Journal of Electroanalytical Chemistry, 1999, 469, 123-131.	3.8	62
36	Self-Powered Wireless Carbohydrate/Oxygen Sensitive Biodevice Based on Radio Signal Transmission. PLoS ONE, 2014, 9, e109104.	2.5	62

#	Article	IF	Citations
37	Interaction of fungal laccases and laccase-mediator systems with lignin. Enzyme and Microbial Technology, 2006, 39, 841-847.	3.2	61
38	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. Journal of Electroanalytical Chemistry, 1998, 458, 113-120.	3.8	58
39	PVC-Based Ion-Selective Electrodes with a Silicone Rubber Outer Coating with Improved Analytical Performance. Analytical Chemistry, 2019, 91, 10524-10531.	6.5	57
40	Direct electron transfer in the system gold electrodeâ€“recombinant horseradish peroxidases. Journal of Electroanalytical Chemistry, 2001, 509, 19-26.	3.8	56
41	Amperometric monitoring of redox activity in living yeast cells: comparison of menadione and menadione sodium bisulfite as electron transfer mediators. Electrochemistry Communications, 2004, 6, 219-224.	4.7	56
42	Direct Electron TransferA Favorite Electron Route for Cellobiose Dehydrogenase (CDH) from Trametes villosa. Comparison with CDH from Phanerochaete chrysosporium. Langmuir, 2006, 22, 10801-10806.	3.5	56
43	Laccaseâ€“gold nanoparticle assisted bioelectrocatalytic reduction of oxygen. Electrochemistry Communications, 2010, 12, 933-935.	4.7	56
44	Bioelectrochemical characterisation of cellobiose dehydrogenase modified graphite electrodes: ionic strength and pH dependences. Journal of Electroanalytical Chemistry, 2000, 482, 1-10.	3.8	54
45	Monitoring of Saccharomyces cerevisiae Cell Proliferation on Thiol-Modified Planar Gold Microelectrodes Using Impedance Spectroscopy. Langmuir, 2008, 24, 9066-9073.	3.5	54
46	Redox hydrogel based bienzyme electrode for l-glutamate monitoring. Journal of Pharmaceutical and Biomedical Analysis, 1999, 19, 93-105.	2.8	53
47	Fully automated microchip system for the detection of quantal exocytosis from single and small ensembles of cells. Lab on A Chip, 2008, 8, 323-329.	6.0	53
48	Bioelectrochemical studies of azurin and laccase confined in three-dimensional chips based on gold-modified nano-/microstructured silicon. Biosensors and Bioelectronics, 2010, 25, 1001-1007.	10.1	53
49	The effects of polar excipients transcutol and dexpanthenol on molecular mobility, permeability, and electrical impedance of the skin barrier. Journal of Colloid and Interface Science, 2016, 479, 207-220.	9.4	51
50	Direct Electrochemistry of Proteins and Enzymes. Perspectives in Bioanalysis, 2005, , 517-598.	0.3	50
51	Electrochemical investigation of cellobiose dehydrogenase from new fungal sources on Au electrodes. Biosensors and Bioelectronics, 2005, 20, 2010-2018.	10.1	50
52	On the Possibility of Uphill Intramolecular Electron Transfer in Multicopper Oxidases: Electrochemical and Quantum Chemical Study of Bilirubin Oxidase. Electroanalysis, 2012, 24, 1524-1540.	2.9	49
53	Electron Transfer between Surface-Confined Cytochrome c and an N-Acetylcysteine-Modified Gold Electrode. Langmuir, 1998, 14, 7298-7305.	3.5	48
54	Design and Characterization of Ethosomes for Transdermal Delivery of Caffeic Acid. Pharmaceutics, 2020, 12, 740.	4.5	46

#	Article	IF	Citations
55	Spectroelectrochemical study of cellobiose dehydrogenase and diaphorase in a thiol-modified gold capillary in the absence of mediators. Bioelectrochemistry, 2001, 53, 243-249.	4.6	45
56	Pool boiling of HFE-7200 on nanoparticle-coating surfaces: Experiments and heat transfer analysis. International Journal of Heat and Mass Transfer, 2019, 133, 548-560.	4.8	45
57	Effect of HY-zeolites on the performance of tyrosinase-modified carbon paste electrodes. Electroanalysis, 1996, 8, 1121-1126.	2.9	39
58	Oxidation of indole-3-acetic acid by dioxygen catalysed by plant peroxidases: specificity for the enzyme structure. Biochemical Journal, 1999, 340, 579.	3.7	38
59	Characterization of two new multiforms of Trametes pubescens laccase. Bioorganic Chemistry, 2007, 35, 35-49.	4.1	38
60	Textile-based sampling for potentiometric determination of ions. Analytica Chimica Acta, 2015, 877, 71-79.	5.4	38
61	Simultaneous amperometric determination of some mono-, di-, and oligosaccharides in flow injection and liquid chromatography using two working enzyme electrodes with different selectivity. Analytica Chimica Acta, 1997, 349, 179-188.	5.4	36
62	In-field monitoring of cleaning efficiency in waste water treatment plants using two phenol-sensitive biosensors. Analytica Chimica Acta, 2002, 456, 3-17.	5.4	36
63	Bioelectrocatalytic reduction of oxygen at gold nanoparticles modified with laccase. Bioelectrochemistry, 2014, 95, 1-6.	4.6	36
64	The influence of nanoparticles on enzymatic bioelectrocatalysis. RSC Advances, 2014, 4, 38164-38168.	3.6	35
65	Effects of pretreatments and modifiers on electrochemical properties of carbon paste electrodes. Electroanalysis, 1997, 9, 357-365.	2.9	34
66	Amperometric Response from the Glycolytic versus the Pentose Phosphate Pathway in Saccharomyces cerevisiae Cells. Analytical Chemistry, 2007, 79, 8919-8926.	6.5	34
67	In Situ Potentiometry and Ellipsometry: A Promising Tool to Study Biofouling of Potentiometric Sensors. Analytical Chemistry, 2016, 88, 3009-3014.	6.5	34
68	Polymer multilayer film formation studied by in situ ellipsometry and electrochemistry. Bioelectrochemistry, 2009, 76, 153-161.	4.6	33
69	Spectroelectrochemistry of cytochrome P450cam. Biochemical and Biophysical Research Communications, 2004, 314, 810-816.	2.1	31
70	Laccase-based biosensors for monitoring lignin. Enzyme and Microbial Technology, 2006, 39, 835-840.	3.2	30
71	Autoreduction andÂaggregation ofÂfungal laccase inÂsolution phase: possible correlation with aÂresting form ofÂlaccase. Biochimie, 2006, 88, 1275-1285.	2.6	28
72	Skin hydration dynamics investigated by electrical impedance techniques in vivo and in vitro. Scientific Reports, 2020, 10, 17218.	3.3	28

#	Article	IF	Citations
73	Mediator-assisted simultaneous probing of cytosolic and mitochondrial redox activity in living cells. Analytical Biochemistry, 2009, 384, 11-19.	2.4	27
74	A Reagentless Amperometric Carbon Paste Based Sensor for NADH. Electroanalysis, 2000, 12, 194-198.	2.9	26
75	Investigation of the Effect of Different Glassy Carbon Materials on the Performance of Prussian Blue Based Sensors for Hydrogen Peroxide. Electroanalysis, 2003, 15, 175-182.	2.9	26
76	In-vitro model for assessing glucose diffusion through skin. Biosensors and Bioelectronics, 2018, 110, 175-179.	10.1	26
77	The Potential of Caffeic Acid Lipid Nanoparticulate Systems for Skin Application: In Vitro Assays to Assess Delivery and Antioxidant Effect. Nanomaterials, 2021, 11, 171.	4.1	26
78	Sensing by wireless reading Ag/AgCl redox conversion on RFID tag: universal, battery-less biosensor design. Scientific Reports, 2019, 9, 12948.	3.3	25
79	Direct heterogeneous electron transfer of theophylline oxidase. Biosensors and Bioelectronics, 2004, 20, 176-183.	10.1	24
80	Transistorâ€Like Behavior of a Fungal Laccase. Angewandte Chemie - International Edition, 2008, 47, 7270-7274.	13.8	24
81	Oligosaccharide Dehydrogenase-Modified Graphite Electrodes for the Amperometric Determination of Sugars in a Flow Injection System. Analytical Chemistry, 1997, 69, 4039-4044.	6.5	23
82	Electrocatalytic Oxidation of Coenzyme NADH at Carbon Paste Electrodes, Modified with Zirconium Phosphate and Some Redox Mediators. Journal of Colloid and Interface Science, 2000, 224, 325-332.	9.4	23
83	Flexible micro(bio)sensors for quantitative analysis of bioanalytes in a nanovolume of human lachrymal liquid. Analytical and Bioanalytical Chemistry, 2013, 405, 3871-3879.	3.7	23
84	Electrochemical monitoring of native catalase activity in skin using skin covered oxygen electrode. Biosensors and Bioelectronics, 2017, 93, 9-13.	10.1	23
85	LCâ^'Biosensor System for the Determination of the Neurotoxin Î²-N-Oxalyl-l-Î±,Î²-diaminopropionic Acid. Analytical Chemistry, 1997, 69, 3471-3475.	6.5	22
86	Electrochemical characterization and application of azurin-modified gold electrodes for detection of superoxide. Biosensors and Bioelectronics, 2006, 22, 213-219.	10.1	22
87	Prediction of wastewater quality using amperometric bioelectronic tongues. Biosensors and Bioelectronics, 2016, 75, 375-382.	10.1	22
88	Gold-modified paper as microfluidic substrates with reduced biofouling in potentiometric ion sensing. Sensors and Actuators B: Chemical, 2021, 344, 130200.	7.8	22
89	Direct and Mediated Electron Transfer Catalyzed by Anionic Tobacco Peroxidase: Effect of Calcium Ions. Applied Biochemistry and Biotechnology, 2000, 88, 321-334.	2.9	20
90	A steady-state and flow-through cell for screen-printed eight-electrode arrays. Analytica Chimica Acta, 2005, 531, 165-172.	5.4	20

#	Article	IF	Citations
91	The Effect of UVB Irradiation and Oxidative Stress on the Skin Barrierâ€"A New Method to Evaluate Sun Protection Factor Based on Electrical Impedance Spectroscopy. Sensors, 2019, 19, 2376.	3.8	20
92	Polyphenol-hydrogen peroxide reactions in skin: InÂvitro model relevant to study ROS reactions at inflammation. Analytica Chimica Acta, 2019, 1075, 91-97.	5.4	20
93	Recombinant horseradish peroxidase - and cytochrome c-based two-electrode system for detection of superoxide radicals. Bioelectrochemistry, 2004, 63, 277-280.	4.6	19
94	Proteolytic degradation of gelatin-tannic acid multilayers. Journal of Colloid and Interface Science, 2018, 526, 244-252.	9.4	19
95	Characterization of tyrosinase-teflon/graphite composite electrodes for the determination of catechol in environmental analysis. Electroanalysis, 1996, 8, 885-890.	2.9	18
96	Direct Electron Transfer Between Graphite Electrodes and Ligninolytic Peroxidases from Phanerochaete chrysosporium. Electroanalysis, 2002, 14, 1411-1418.	2.9	18
97	Spectroelectrochemical study of heme- and molybdopterin cofactor-containing chicken liver sulphite oxidase. Bioelectrochemistry, 2004, 63, 49-53.	4.6	17
98	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. PLoS ONE, 2018, 13, e0193754.	2.5	17
99	Screen-Printed Carbon Electrodes Modified with Cellobiose Dehydrogenase: Amplification Factor for Catechol vs. Reversibility of Ferricyanide. Electroanalysis, 2003, 15, 492-498.	2.9	16
100	Spraying Enzymes in Microemulsions of AOT in Nonpolar Organic Solvents for Fabrication of Enzyme Electrodes. Analytical Chemistry, 2005, 77, 7074-7079.	6.5	16
101	Characterization of graphite electrodes modified with laccases fromTrametes hirsutaandCerrena unicolorand their use for flow injection amperometric determination of some phenolic compounds. International Journal of Environmental Analytical Chemistry, 2005, 85, 753-770.	3.3	15
102	Simultaneous use of electrochemistry and chemiluminescence to detect reactive oxygen species produced by human neutrophils. Cell Biology International, 2008, 32, 1486-1496.	3.0	15
103	Comparison of bioelectrocatalysis at Trichaptum abietinum and Trametes hirsuta laccase modified electrodes. Electrochimica Acta, 2014, 130, 141-147.	5.2	15
104	Nanoplatelet MoS2 arrays decorated with Pt nanoparticles for non-enzymatic detection of hydrogen peroxide. Journal of Electroanalytical Chemistry, 2019, 839, 274-282.	3.8	15
105	Characterization of nano-layered solid-contact ion selective electrodes by simultaneous potentiometry and quartz crystal microbalance with dissipation. Analytica Chimica Acta, 2020, 1128, 19-30.	5.4	15
106	Electrooxidation Mechanism of Biogenic Amines at Amine Oxidase Modified Graphite Electrode. Analytical Chemistry, 2000, 72, 5988-5993.	6.5	13
107	Impact of the Gold Support on the Electrocatalytic Oxidation of Sugars at Enzymeâ€Modified Electrodes. Electroanalysis, 2011, 23, 927-930.	2.9	13
108	Wireless, Batteryâ€Less Biosensors Based on Direct Electron Transfer Reactions. ChemElectroChem, 2019, 6, 5167-5171.	3.4	13

#	Article	IF	Citations
109	Tissue-based biosensor for monitoring the antioxidant effect of orally administered drugs in the intestine. Bioelectrochemistry, 2021, 138, 107720.	4.6	13
110	Paper-Based Competitive Immunochromatography Coupled with an Enzyme-Modified Electrode to Enable the Wireless Monitoring and Electrochemical Sensing of Cotinine in Urine. Sensors, 2021, 21, 1659.	3.8	13
111	Highly Stable Passive Wireless Sensor for Protease Activity Based on Fatty Acid-Coupled Gelatin Composite Films. Analytical Chemistry, 2020, 92, 13110-13117.	6.5	12
112	Cellobiose Dehydrogenase and Peroxidase Biosensors for Determination of Phenolic Compounds. ACS Symposium Series, 2000, , 113-124.	0.5	11
113	Effect of interfering substances on current response of recombinant peroxidase and glucose oxidase-recombinant peroxidase modified graphite electrodes. Analyst, The, 2001, 126, 1929-1935.	3.5	11
114	Development of a Laccaseâ€Modified Electrode for Amperometric Detection of Monoâ€and Diphenols. The Influence of Enzyme Storage Method. Analytical Letters, 2004, 37, 1497-1513.	1.8	11
115	Multivariate data analysis of dynamic amperometric biosensor responses from binary analyte mixtures?application of sensitivity correction algorithms. Talanta, 2005, 65, 298-305.	5.5	11
116	Amperometric monitoring of redox activity in intact, permeabilised and lyophilised cells of the yeast Hansenula polymorpha. Electrochemistry Communications, 2007, 9, 1480-1485.	4.7	11
117	Effects of surfactants and thermodynamic activity of model active ingredient on transport over plant leaf cuticle. Colloids and Surfaces B: Biointerfaces, 2013, 103, 572-579.	5.0	11
118	Glucose-to-Resistor Transduction Integrated into a Radio-Frequency Antenna for Chip-less and Battery-less Wireless Sensing. ACS Sensors, 2022, 7, 1222-1234.	7.8	11
119	Activity of lactoperoxidase when adsorbed on protein layers. Talanta, 2008, 76, 1159-1164.	5.5	10
120	Franz cells for facile biosensor evaluation: A case of HRP/SWCNT-based hydrogen peroxide detection via amperometric and wireless modes. Biosensors and Bioelectronics, 2021, 191, 113420.	10.1	10
121	Stabilisation of tyrosinase by reversed micelles for bioelectrocatalysis in dry organic media. Biochimica Et Biophysica Acta - General Subjects, 2003, 1620, 119-124.	2.4	9
122	Electrochemical evidence of self-substrate inhibition as functions regulation for cellobiose dehydrogenase from Phanerochaete chrysosporium. Bioelectrochemistry, 2009, 76, 42-52.	4.6	9
123	Amperometric monitoring of quercetin permeation through skin membranes. International Journal of Pharmaceutics, 2015, 496, 636-643.	5.2	8
124	Integrating an ex-vivo skin biointerface with electrochemical DNA biosensor for direct measurement of the protective effect of UV blocking agents. Biosensors and Bioelectronics, 2019, 128, 159-165.	10.1	8
125	Effect of IFN-Î³ on the kynurenine/tryptophan ratio in monolayer-cultured keratinocytes and a 3D reconstructed human epidermis model. Journal of Dermatological Science, 2020, 99, 177-184.	1.9	8
126	Visualisation of H2O2 penetration through skin indicates importance to develop pathway-specific epidermal sensing. Mikrochimica Acta, 2020, 187, 656.	5.0	8

#	Article	IF	Citations
127	Non-Invasive, Topical Sampling of Potential, Low-Molecular Weight, Skin Cancer Biomarkers: A Study on Healthy Volunteers. Analytical Chemistry, 2022, 94, 5856-5865.	6.5	8
128	Non-invasive skin sampling of tryptophan/kynurenine ratio in vitro towards a skin cancer biomarker. Scientific Reports, 2021, 11, 678.	3.3	7
129	Oligosaccharide Dehydrogenase-Catalyzed Assay for the Determination of Polysaccharides. Analytical Biochemistry, 1998, 265, 151-156.	2.4	6
130	New concepts for transdermal delivery of oxygen based on catalase biochemical reactions studied by oxygen electrode amperometry. Journal of Controlled Release, 2019, 306, 121-129.	9.9	6
131	A QCM-D Study of Reduced Antibody Fragments Immobilized on Planar Gold and Gold Nanoparticle Modified Sensor Surfaces. Key Engineering Materials, 2014, 605, 340-343.	0.4	5
132	Amperometric In Vitro Monitoring of Penetration through Skin Membrane. Electroanalysis, 2015, 27, 111-117.	2.9	5
133	Impact of molecular linker size on physicochemical properties of assembled gold nanoparticle mono-/multi-layers and their applicability for functional binding of biomolecules. Journal of Colloid and Interface Science, 2019, 543, 307-316.	9.4	5
134	Probing Skin Barrier Recovery on Molecular Level Following Acute Wounds: An In Vivo/Ex Vivo Study on Pigs. Biomedicines, 2021, 9, 360.	3.2	5
135	Comparison of carbon paste electrodes modified with native and polyethylene glycol derivatized horseradish peroxidases for the amperometric monitoring of H2O2. Sensors and Actuators B: Chemical, 1996, 37, 97-102.	7.8	4
136	Catalase Activity in Keratinocytes, Stratum Corneum, and Defatted Algae Biomass as a Potential Skin Care Ingredient. Biomedicines, 2021, 9, 1868.	3.2	4
137	Quantification of BSA concentration by using Ag electrochemistry in chloride solution: extension of the linear range. Electrochimica Acta, 2014, 135, 351-355.	5.2	3
138	Battery-free radio frequency wireless sensor for bacteria based on their degradation of gelatin-fatty acid composite films. Electrochimica Acta, 2021, 381, 138275.	5.2	3
139	Optimization of sample preparation for transporter protein quantification in tissues by LCâ€“MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 9-15.	2.8	2
140	Determination of Total Protein Concentration in Solution Using Gold Electrode Modified with Silver Nanoparticles. Electroanalysis, 2015, 27, 253-257.	2.9	1
141	Hydrogels and Cubic Liquid Crystals for Non-Invasive Sampling of Low-Molecular-Weight Biomarkersâ€”An Explorative In Vivo Study. Pharmaceutics, 2022, 14, 313.	4.5	1
142	Development of a Plastic Membrane Containing Micro-hole(s) for a Potential Bio-sensing Application. Procedia Technology, 2017, 27, 252-253.	1.1	0