

Tautgirdas Ruzgas

List of Publications by Year in descending order

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142
papers

7,138
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41344

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docs citations

143
times ranked

5494
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogels and Cubic Liquid Crystals for Non-Invasive Sampling of Low-Molecular-Weight Biomarkers—An Explorative In Vivo Study. <i>Pharmaceutics</i> , 2022, 14, 313.	4.5	1
2	Glucose-to-Resistor Transduction Integrated into a Radio-Frequency Antenna for Chip-less and Battery-less Wireless Sensing. <i>ACS Sensors</i> , 2022, 7, 1222-1234.	7.8	11
3	Non-Invasive, Topical Sampling of Potential, Low-Molecular Weight, Skin Cancer Biomarkers: A Study on Healthy Volunteers. <i>Analytical Chemistry</i> , 2022, 94, 5856-5865.	6.5	8
4	Tissue-based biosensor for monitoring the antioxidant effect of orally administered drugs in the intestine. <i>Bioelectrochemistry</i> , 2021, 138, 107720.	4.6	13
5	Non-invasive skin sampling of tryptophan/kynurenine ratio in vitro towards a skin cancer biomarker. <i>Scientific Reports</i> , 2021, 11, 678.	3.3	7
6	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, 1659.	3.8	13
7	Probing Skin Barrier Recovery on Molecular Level Following Acute Wounds: An In Vivo/Ex Vivo Study on Pigs. <i>Biomedicines</i> , 2021, 9, 360.	3.2	5
8	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.	5.2	3
9	Gold-modified paper as microfluidic substrates with reduced biofouling in potentiometric ion sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130200.	7.8	22
10	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.	10.1	10
11	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, 171.	4.1	26
12	Catalase Activity in Keratinocytes, Stratum Corneum, and Defatted Algae Biomass as a Potential Skin Care Ingredient. <i>Biomedicines</i> , 2021, 9, 1868.	3.2	4
13	Skin hydration dynamics investigated by electrical impedance techniques in vivo and in vitro. <i>Scientific Reports</i> , 2020, 10, 17218.	3.3	28
14	Effect of IFN- γ 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.	1.9	8
15	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.	5.4	15
16	Visualisation of H ₂ O ₂ penetration through skin indicates importance to develop pathway-specific epidermal sensing. <i>Mikrochimica Acta</i> , 2020, 187, 656.	5.0	8
17	Design and Characterization of Ethosomes for Transdermal Delivery of Caffeic Acid. <i>Pharmaceutics</i> , 2020, 12, 740.	4.5	46
18	Highly Stable Passive Wireless Sensor for Protease Activity Based on Fatty Acid-Coupled Gelatin Composite Films. <i>Analytical Chemistry</i> , 2020, 92, 13110-13117.	6.5	12

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19	Wireless, Battery-Free Biosensors Based on Direct Electron Transfer Reactions. <i>ChemElectroChem</i> , 2019, 6, 5167-5171.	3.4	13
20	PVC-Based Ion-Selective Electrodes with a Silicone Rubber Outer Coating with Improved Analytical Performance. <i>Analytical Chemistry</i> , 2019, 91, 10524-10531.	6.5	57
21	Sensing by wireless reading Ag/AgCl redox conversion on RFID tag: universal, battery-less biosensor design. <i>Scientific Reports</i> , 2019, 9, 12948.	3.3	25
22	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, 2376.	3.8	20
23	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.	9.9	6
24	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.	5.4	20
25	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.	3.8	15
26	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.	9.4	5
27	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.	10.1	8
28	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.	4.8	45
29	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.	2.8	2
30	In-vitro model for assessing glucose diffusion through skin. <i>Biosensors and Bioelectronics</i> , 2018, 110, 175-179.	10.1	26
31	Proteolytic degradation of gelatin-tannic acid multilayers. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 244-252.	9.4	19
32	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.	2.5	17
33	Electrochemical monitoring of native catalase activity in skin using skin covered oxygen electrode. <i>Biosensors and Bioelectronics</i> , 2017, 93, 9-13.	10.1	23
34	Development of a Plastic Membrane Containing Micro-hole(s) for a Potential Bio-sensing Application. <i>Procedia Technology</i> , 2017, 27, 252-253.	1.1	0
35	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.	9.4	51
36	<i>In Situ</i> Potentiometry and Ellipsometry: A Promising Tool to Study Biofouling of Potentiometric Sensors. <i>Analytical Chemistry</i> , 2016, 88, 3009-3014.	6.5	34

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37	Prediction of wastewater quality using amperometric bioelectronic tongues. <i>Biosensors and Bioelectronics</i> , 2016, 75, 375-382.	10.1	22
38	Amperometric monitoring of quercetin permeation through skin membranes. <i>International Journal of Pharmaceutics</i> , 2015, 496, 636-643.	5.2	8
39	Determination of Total Protein Concentration in Solution Using Gold Electrode Modified with Silver Nanoparticles. <i>Electroanalysis</i> , 2015, 27, 253-257.	2.9	1
40	Textile-based sampling for potentiometric determination of ions. <i>Analytica Chimica Acta</i> , 2015, 877, 71-79.	5.4	38
41	Amperometric In Vitro Monitoring of Penetration through Skin Membrane. <i>Electroanalysis</i> , 2015, 27, 111-117.	2.9	5
42	Self-Powered Wireless Carbohydrate/Oxygen Sensitive Biodevice Based on Radio Signal Transmission. <i>PLoS ONE</i> , 2014, 9, e109104.	2.5	62
43	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
44	Comparison of bioelectrocatalysis at <i>Trichaptum abietinum</i> and <i>Trametes hirsuta</i> laccase modified electrodes. <i>Electrochimica Acta</i> , 2014, 130, 141-147.	5.2	15
45	Bioelectrocatalytic reduction of oxygen at gold nanoparticles modified with laccase. <i>Bioelectrochemistry</i> , 2014, 95, 1-6.	4.6	36
46	The influence of nanoparticles on enzymatic bioelectrocatalysis. <i>RSC Advances</i> , 2014, 4, 38164-38168.	3.6	35
47	Quantification of BSA concentration by using Ag electrochemistry in chloride solution: extension of the linear range. <i>Electrochimica Acta</i> , 2014, 135, 351-355.	5.2	3
48	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, 572-579.	5.0	11
49	Skin Membrane Electrical Impedance Properties under the Influence of a Varying Water Gradient. <i>Biophysical Journal</i> , 2013, 104, 2639-2650.	0.5	68
50	Flexible micro(bio)sensors for quantitative analysis of bioanalytes in a nanovolume of human lachrymal liquid. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3871-3879.	3.7	23
51	Biofuel cell as a power source for electronic contact lenses. <i>Biosensors and Bioelectronics</i> , 2012, 37, 38-45.	10.1	190
52	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.	2.9	49
53	Impact of the Gold Support on the Electrocatalytic Oxidation of Sugars at Enzyme-Modified Electrodes. <i>Electroanalysis</i> , 2011, 23, 927-930.	2.9	13
54	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, 1001-1007.	10.1	53

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55	Laccaseâ€‘gold nanoparticle assisted bioelectrocatalytic reduction of oxygen. <i>Electrochemistry Communications</i> , 2010, 12, 933-935.	4.7	56
56	Polymer multilayer film formation studied by in situ ellipsometry and electrochemistry. <i>Bioelectrochemistry</i> , 2009, 76, 153-161.	4.6	33
57	Electrochemical evidence of self-substrate inhibition as functions regulation for cellobiose dehydrogenase from <i>Phanerochaete chrysosporium</i> . <i>Bioelectrochemistry</i> , 2009, 76, 42-52.	4.6	9
58	Mediator-assisted simultaneous probing of cytosolic and mitochondrial redox activity in living cells. <i>Analytical Biochemistry</i> , 2009, 384, 11-19.	2.4	27
59	Simultaneous use of electrochemistry and chemiluminescence to detect reactive oxygen species produced by human neutrophils. <i>Cell Biology International</i> , 2008, 32, 1486-1496.	3.0	15
60	Transistorâ€‘Like Behavior of a Fungal Laccase. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7270-7274.	13.8	24
61	Monitoring of <i>Saccharomyces cerevisiae</i> Cell Proliferation on Thiol-Modified Planar Gold Microelectrodes Using Impedance Spectroscopy. <i>Langmuir</i> , 2008, 24, 9066-9073.	3.5	54
62	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, 1364-1369.	1.0	140
63	Activity of lactoperoxidase when adsorbed on protein layers. <i>Talanta</i> , 2008, 76, 1159-1164.	5.5	10
64	A membrane-, mediator-, cofactor-less glucose/oxygen biofuel cell. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 6093.	2.8	118
65	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, 323-329.	6.0	53
66	Amperometric Response from the Glycolytic versus the Pentose Phosphate Pathway in <i>Saccharomyces cerevisiae</i> Cells. <i>Analytical Chemistry</i> , 2007, 79, 8919-8926.	6.5	34
67	On-Chip Determination of Dopamine Exocytosis Using Mercaptopropionic Acid Modified Microelectrodes. <i>Electroanalysis</i> , 2007, 19, 263-271.	2.9	71
68	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, 1820-1824.	10.1	128
69	Characterization of two new multiforms of <i>Trametes pubescens</i> laccase. <i>Bioorganic Chemistry</i> , 2007, 35, 35-49.	4.1	38
70	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.	4.7	11
71	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, 10801-10806.	3.5	56
72	Autoreduction and Aggregation of Fungal laccase in solution phase: possible correlation with a resting form of laccase. <i>Biochimie</i> , 2006, 88, 1275-1285.	2.6	28

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73	Laccase-based biosensors for monitoring lignin. <i>Enzyme and Microbial Technology</i> , 2006, 39, 835-840.	3.2	30
74	Electrochemical characterization and application of azurin-modified gold electrodes for detection of superoxide. <i>Biosensors and Bioelectronics</i> , 2006, 22, 213-219.	10.1	22
75	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.	4.7	87
76	Interaction of fungal laccases and laccase-mediator systems with lignin. <i>Enzyme and Microbial Technology</i> , 2006, 39, 841-847.	3.2	61
77	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.	2.9	88
78	Chemometric exploration of an amperometric biosensor array for fast determination of wastewater quality. <i>Biosensors and Bioelectronics</i> , 2005, 21, 608-617.	10.1	71
79	A steady-state and flow-through cell for screen-printed eight-electrode arrays. <i>Analytica Chimica Acta</i> , 2005, 531, 165-172.	5.4	20
80	Direct electron transfer reactions of laccases from different origins on carbon electrodes. <i>Bioelectrochemistry</i> , 2005, 67, 115-124.	4.6	212
81	Direct Electrochemistry of Proteins and Enzymes. <i>Perspectives in Bioanalysis</i> , 2005, , 517-598.	0.3	50
82	Electrochemical investigation of cellobiose dehydrogenase from new fungal sources on Au electrodes. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2010-2018.	10.1	50
83	Direct electron transfer between copper-containing proteins and electrodes. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2517-2554.	10.1	568
84	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, 745-754.	3.7	155
85	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.	3.3	15
86	Spraying Enzymes in Microemulsions of AOT in Nonpolar Organic Solvents for Fabrication of Enzyme Electrodes. <i>Analytical Chemistry</i> , 2005, 77, 7074-7079.	6.5	16
87	Multivariate data analysis of dynamic amperometric biosensor responses from binary analyte mixtures? application of sensitivity correction algorithms. <i>Talanta</i> , 2005, 65, 298-305.	5.5	11
88	Amperometric detection of mono- and diphenols at laccase-modified graphite electrode: correlation between sensitivity and substrate structure. <i>Talanta</i> , 2005, 66, 1219-1224.	5.5	104
89	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.	1.8	11
90	Spectroelectrochemical study of heme- and molybdopterin cofactor-containing chicken liver sulphite oxidase. <i>Bioelectrochemistry</i> , 2004, 63, 49-53.	4.6	17

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91	Direct heterogeneous electron transfer of theophylline oxidase. <i>Biosensors and Bioelectronics</i> , 2004, 20, 176-183.	10.1	24
92	Direct Electron Transfer Between Ligninolytic Redox Enzymes and Electrodes. <i>Electroanalysis</i> , 2004, 16, 1074-1092.	2.9	131
93	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.	4.7	56
94	Direct heterogeneous electron transfer reactions of bilirubin oxidase at a spectrographic graphite electrode. <i>Electrochemistry Communications</i> , 2004, 6, 934-939.	4.7	126
95	Use of laccase-modified electrode for amperometric detection of plant flavonoids. <i>Enzyme and Microbial Technology</i> , 2004, 35, 238-241.	3.2	94
96	Recombinant horseradish peroxidase - and cytochrome c-based two-electrode system for detection of superoxide radicals. <i>Bioelectrochemistry</i> , 2004, 63, 277-280.	4.6	19
97	Biosensor Based on Cellobiose Dehydrogenase for Detection of Catecholamines. <i>Analytical Chemistry</i> , 2004, 76, 4690-4696.	6.5	65
98	Spectroelectrochemistry of cytochrome P450cam. <i>Biochemical and Biophysical Research Communications</i> , 2004, 314, 810-816.	2.1	31
99	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.	2.9	26
100	Screen-Printed Carbon Electrodes Modified with Cellobiose Dehydrogenase: Amplification Factor for Catechol vs. Reversibility of Ferricyanide. <i>Electroanalysis</i> , 2003, 15, 492-498.	2.9	16
101	Sensor and biosensor based on Prussian Blue modified gold and platinum screen printed electrodes. <i>Biosensors and Bioelectronics</i> , 2003, 18, 193-200.	10.1	115
102	Direct Electron Transfer of Heme- and Molybdopterin Cofactor-Containing Chicken Liver Sulfite Oxidase on Alkanethiol-Modified Gold Electrodes. <i>Analytical Chemistry</i> , 2003, 75, 4841-4850.	6.5	121
103	Stabilisation of tyrosinase by reversed micelles for bioelectrocatalysis in dry organic media. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1620, 119-124.	2.4	9
104	Direct Electron Transfer Between Graphite Electrodes and Ligninolytic Peroxidases from <i>Phanerochaete chrysosporium</i> . <i>Electroanalysis</i> , 2002, 14, 1411-1418.	2.9	18
105	Effect of cysteine mutations on direct electron transfer of horseradish peroxidase on gold. <i>Biosensors and Bioelectronics</i> , 2002, 17, 953-963.	10.1	75
106	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.	5.4	36
107	Effect of interfering substances on current response of recombinant peroxidase and glucose oxidase-recombinant peroxidase modified graphite electrodes. <i>Analyst</i> , The, 2001, 126, 1929-1935.	3.5	11
108	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, 147-157.	10.1	164

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109	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.	3.8	69
110	Direct electron transfer in the system gold electrodeâ€“recombinant horseradish peroxidases. <i>Journal of Electroanalytical Chemistry</i> , 2001, 509, 19-26.	3.8	56
111	Spectroelectrochemical study of cellobiose dehydrogenase and diaphorase in a thiol-modified gold capillary in the absence of mediators. <i>Bioelectrochemistry</i> , 2001, 53, 243-249.	4.6	45
112	Sensor for Hydrogen Peroxide Based on Prussian Blue Modified Electrode. Improvement of the Operational Stability.. <i>Analytical Sciences</i> , 2000, 16, 795-798.	1.6	78
113	A Reagentless Amperometric Carbon Paste Based Sensor for NADH. <i>Electroanalysis</i> , 2000, 12, 194-198.	2.9	26
114	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.	9.4	23
115	Direct electron transfer between the heme of cellobiose dehydrogenase and thiol modified gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2000, 494, 105-113.	3.8	80
116	Bioelectrochemical characterisation of cellobiose dehydrogenase modified graphite electrodes: ionic strength and pH dependences. <i>Journal of Electroanalytical Chemistry</i> , 2000, 482, 1-10.	3.8	54
117	Biosensors based on novel peroxidases with improved properties in direct and mediated electron transfer. <i>Biosensors and Bioelectronics</i> , 2000, 15, 491-497.	10.1	130
118	Cellobiose Dehydrogenase and Peroxidase Biosensors for Determination of Phenolic Compounds. <i>ACS Symposium Series</i> , 2000, , 113-124.	0.5	11
119	Direct and Mediated Electron Transfer Catalyzed by Anionic Tobacco Peroxidase: Effect of Calcium Ions. <i>Applied Biochemistry and Biotechnology</i> , 2000, 88, 321-334.	2.9	20
120	Direct heterogeneous electron transfer of recombinant horseradish peroxidases on gold. <i>Faraday Discussions</i> , 2000, 116, 281-289.	3.2	63
121	Electrooxidation Mechanism of Biogenic Amines at Amine Oxidase Modified Graphite Electrode. <i>Analytical Chemistry</i> , 2000, 72, 5988-5993.	6.5	13
122	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.	3.8	125
123	Direct electron transfer catalysed by recombinant forms of horseradish peroxidase: insight into the mechanism. <i>Electrochemistry Communications</i> , 1999, 1, 171-175.	4.7	70
124	Redox hydrogel based bienzyme electrode for l-glutamate monitoring. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 19, 93-105.	2.8	53
125	Development of a cellobiose dehydrogenase modified electrode for amperometric detection of diphenols. <i>Analyst</i> , 1999, 124, 527-532.	3.5	62
126	Diffusionless electron transfer of microperoxidase-11 on gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1999, 469, 123-131.	3.8	62

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127	Oxidation of indole-3-acetic acid by dioxygen catalysed by plant peroxidases: specificity for the enzyme structure. <i>Biochemical Journal</i> , 1999, 340, 579.	3.7	38
128	Oligosaccharide Dehydrogenase-Catalyzed Assay for the Determination of Polysaccharides. <i>Analytical Biochemistry</i> , 1998, 265, 151-156.	2.4	6
129	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.	3.8	58
130	Electron Transfer between Surface-Confined Cytochrome c and an N-Acetylcysteine-Modified Gold Electrode. <i>Langmuir</i> , 1998, 14, 7298-7305.	3.5	48
131	Bioelectrochemical Monitoring of Phenols and Aromatic Amines in Flow Injection Using Novel Plant Peroxidases. <i>Analytical Chemistry</i> , 1998, 70, 2596-2600.	6.5	124
132	LC-Biosensor System for the Determination of the Neurotoxin β -N-Oxalyl-L-homocysteine. <i>Analytical Chemistry</i> , 1997, 69, 3471-3475.	6.5	22
133	Oligosaccharide Dehydrogenase-Modified Graphite Electrodes for the Amperometric Determination of Sugars in a Flow Injection System. <i>Analytical Chemistry</i> , 1997, 69, 4039-4044.	6.5	23
134	Effects of pretreatments and modifiers on electrochemical properties of carbon paste electrodes. <i>Electroanalysis</i> , 1997, 9, 357-365.	2.9	34
135	Amperometric detection of phenols using peroxidase-modified graphite electrodes. <i>Analytica Chimica Acta</i> , 1997, 347, 51-62.	5.4	78
136	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.	5.4	36
137	Rate-Limiting Steps of Tyrosinase-Modified Electrodes for the Detection of Catechol. <i>Analytical Chemistry</i> , 1996, 68, 1605-1611.	6.5	83
138	Characterization of tyrosinase-teflon/graphite composite electrodes for the determination of catechol in environmental analysis. <i>Electroanalysis</i> , 1996, 8, 885-890.	2.9	18
139	Effect of HY-zeolites on the performance of tyrosinase-modified carbon paste electrodes. <i>Electroanalysis</i> , 1996, 8, 1121-1126.	2.9	39
140	Peroxidase-modified electrodes: Fundamentals and application. <i>Analytica Chimica Acta</i> , 1996, 330, 123-138.	5.4	504
141	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.	7.8	4
142	Development of enzyme-based amperometric sensors for the determination of phenolic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 1995, 14, 319-328.	11.4	89