Tautgirdas Ruzgas

List of Publications by Year in Descending Order

140 papers	6,127 citations	46 h-index	73 g-index
143 ext. papers	6,514 ext. citations	6 avg, IF	5.42 L-index

#	Paper	IF	Citations
140	Glucose-to-Resistor Transduction Integrated into a Radio-Frequency Antenna for Chip-less and Battery-less Wireless Sensing.. *ACS Sensors*, **2022**,	9.2	2
139	Probing Skin Barrier Recovery on Molecular Level Following Acute Wounds: An In Vivo/Ex Vivo Study on Pigs. *Biomedicines*, **2021**, 9,	4.8	1
138	Battery-free radio frequency wireless sensor for bacteria based on their degradation of gelatin-fatty acid composite films. *Electrochimica Acta*, **2021**, 381, 138275	6.7	
137	Tissue-based biosensor for monitoring the antioxidant effect of orally administered drugs in the intestine. *Bioelectrochemistry*, **2021**, 138, 107720	5.6	5
136	Non-invasive skin sampling of tryptophan/kynurenine ratio in vitro towards a skin cancer biomarker. *Scientific Reports*, **2021**, 11, 678	4.9	2
135	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,	3.8	4
134	Gold-modified paper as microfluidic substrates with reduced biofouling in potentiometric ion sensing. *Sensors and Actuators B: Chemical*, **2021**, 344, 130200	8.5	11
133	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	11.8	1
132	The Potential of Caffeic Acid Lipid Nanoparticulate Systems for Skin Application: In Vitro Assays to Assess Delivery and Antioxidant Effect. *Nanomaterials*, **2021**, 11,	5.4	9
131	Catalase Activity in Keratinocytes, Stratum Corneum, and Defatted Algae Biomass as a Potential Skin Care Ingredient.. *Biomedicines*, **2021**, 9,	4.8	1
130	Skin hydration dynamics investigated by electrical impedance techniques in vivo and in vitro. *Scientific Reports*, **2020**, 10, 17218	4.9	9
129	Effect of IFN-□on the kynurenine/tryptophan ratio in monolayer-cultured keratinocytes and a 3D reconstructed human epidermis model. *Journal of Dermatological Science*, **2020**, 99, 177-184	4.3	2
128	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	6.6	11
127	Visualisation of HO penetration through skin indicates importance to develop pathway-specific epidermal sensing. *Mikrochimica Acta*, **2020**, 187, 656	5.8	4
126	Design and Characterization of Ethosomes for Transdermal Delivery of Caffeic Acid. *Pharmaceutics*, **2020**, 12,	6.4	21
125	Highly Stable Passive Wireless Sensor for Protease Activity Based on Fatty Acid-Coupled Gelatin Composite Films. *Analytical Chemistry*, **2020**, 92, 13110-13117	7.8	5
124	Sensing by wireless reading Ag/AgCl redox conversion on RFID tag: universal, battery-less biosensor design. *Scientific Reports*, **2019**, 9, 12948	4.9	16

123	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. *Sensors*, **2019**, 19,	3.8	10
122	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	11.7	5
121	Polyphenol-hydrogen peroxide reactions in skin: In vitro model relevant to study ROS reactions at inflammation. *Analytica Chimica Acta*, **2019**, 1075, 91-97	6.6	12
120	Nanoplatelet MoS2 arrays decorated with Pt nanoparticles for non-enzymatic detection of hydrogen peroxide. *Journal of Electroanalytical Chemistry*, **2019**, 839, 274-282	4.1	11
119	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	9.3	3
118	Wireless, Battery-Less Biosensors Based on Direct Electron Transfer Reactions. *ChemElectroChem*, **2019**, 6, 5167-5171	4.3	8
117	PVC-Based Ion-Selective Electrodes with a Silicone Rubber Outer Coating with Improved Analytical Performance. *Analytical Chemistry*, **2019**, 91, 10524-10531	7.8	40
116	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	11.8	5
115	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	4.9	24
114	Optimization of sample preparation for transporter protein quantification in tissues by LC-MS/MS. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 164, 9-15	3.5	1
113	In-vitro model for assessing glucose diffusion through skin. *Biosensors and Bioelectronics*, **2018**, 110, 175-179	11.8	17
112	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	3.7	13
111	Proteolytic degradation of gelatin-tannic acid multilayers. *Journal of Colloid and Interface Science*, **2018**, 526, 244-252	9.3	11
110	Electrochemical monitoring of native catalase activity in skin using skin covered oxygen electrode. *Biosensors and Bioelectronics*, **2017**, 93, 9-13	11.8	19
109	Development of a Plastic Membrane Containing Micro-hole(s) for a Potential Bio-sensing Application. *Procedia Technology*, **2017**, 27, 252-253		
108	Prediction of wastewater quality using amperometric bioelectronic tongues. *Biosensors and Bioelectronics*, **2016**, 75, 375-82	11.8	17
107	In Situ Potentiometry and Ellipsometry: A Promising Tool to Study Biofouling of Potentiometric Sensors. *Analytical Chemistry*, **2016**, 88, 3009-14	7.8	28
106	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	9.3	34

105	Textile-based sampling for potentiometric determination of ions. *Analytica Chimica Acta*, **2015**, 877, 71-9	6.6	31
104	Amperometric In Vitro Monitoring of Penetration through Skin Membrane. *Electroanalysis*, **2015**, 27, 111-117	3	5
103	Amperometric monitoring of quercetin permeation through skin membranes. *International Journal of Pharmaceutics*, **2015**, 496, 636-43	6.5	8
102	Determination of Total Protein Concentration in Solution Using Gold Electrode Modified with Silver Nanoparticles. *Electroanalysis*, **2015**, 27, 253-257	3	1
101	Comparison of bioelectrocatalysis at Trichaptum abietinum and Trametes hirsuta laccase modified electrodes. *Electrochimica Acta*, **2014**, 130, 141-147	6.7	13
100	Bioelectrocatalytic reduction of oxygen at gold nanoparticles modified with laccase. *Bioelectrochemistry*, **2014**, 95, 1-6	5.6	34
99	The influence of nanoparticles on enzymatic bioelectrocatalysis. *RSC Advances*, **2014**, 4, 38164-38168	3.7	29
98	Quantification of BSA concentration by using Ag electrochemistry in chloride solution: extension of the linear range. *Electrochimica Acta*, **2014**, 135, 351-355	6.7	3
97	Self-powered wireless carbohydrate/oxygen sensitive biodevice based on radio signal transmission. *PLoS ONE*, **2014**, 9, e109104	3.7	52
96	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	4
95	Effects of surfactants and thermodynamic activity of model active ingredient on transport over plant leaf cuticle. *Colloids and Surfaces B: Biointerfaces*, **2013**, 103, 572-9	6	10
94	Skin membrane electrical impedance properties under the influence of a varying water gradient. *Biophysical Journal*, **2013**, 104, 2639-50	2.9	52
93	Flexible micro(bio)sensors for quantitative analysis of bioanalytes in a nanovolume of human lachrymal liquid. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 3871-9	4.4	18
92	Biofuel cell as a power source for electronic contact lenses. *Biosensors and Bioelectronics*, **2012**, 37, 38-45	11.8	166
91	On the Possibility of Uphill Intramolecular Electron Transfer in Multicopper Oxidases: Electrochemical and Quantum Chemical Study of Bilirubin Oxidase. *Electroanalysis*, **2012**, 24, 1524-1540	3	47
90	Impact of the Gold Support on the Electrocatalytic Oxidation of Sugars at Enzyme-Modified Electrodes. *Electroanalysis*, **2011**, 23, 927-930	3	12
89	Bioelectrochemical studies of azurin and laccase confined in three-dimensional chips based on gold-modified nano-/microstructured silicon. *Biosensors and Bioelectronics*, **2010**, 25, 1001-7	11.8	46
88	Laccase–gold nanoparticle assisted bioelectrocatalytic reduction of oxygen. *Electrochemistry Communications*, **2010**, 12, 933-935	5.1	54

87	Polymer multilayer film formation studied by in situ ellipsometry and electrochemistry. *Bioelectrochemistry*, **2009**, 76, 153-61	5.6	31
86	Electrochemical evidence of self-substrate inhibition as functions regulation for cellobiose dehydrogenase from Phanerochaete chrysosporium. *Bioelectrochemistry*, **2009**, 76, 42-52	5.6	8
85	Mediator-assisted simultaneous probing of cytosolic and mitochondrial redox activity in living cells. *Analytical Biochemistry*, **2009**, 384, 11-9	3.1	26
84	Monitoring of Saccharomyces cerevisiae cell proliferation on thiol-modified planar gold microelectrodes using impedance spectroscopy. *Langmuir*, **2008**, 24, 9066-73	4	45
83	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, 1364-9	4.6	126
82	Activity of lactoperoxidase when adsorbed on protein layers. *Talanta*, **2008**, 76, 1159-64	6.2	9
81	A membrane-, mediator-, cofactor-less glucose/oxygen biofuel cell. *Physical Chemistry Chemical Physics*, **2008**, 10, 6093-6	3.6	109
80	Fully automated microchip system for the detection of quantal exocytosis from single and small ensembles of cells. *Lab on A Chip*, **2008**, 8, 323-9	7.2	44
79	Simultaneous use of electrochemistry and chemiluminescence to detect reactive oxygen species produced by human neutrophils. *Cell Biology International*, **2008**, 32, 1486-96	4.5	14
78	Transistor-like behavior of a fungal laccase. *Angewandte Chemie - International Edition*, **2008**, 47, 7270-4	16.4	22
77	Amperometric response from the glycolytic versus the pentose phosphate pathway in Saccharomyces cerevisiae cells. *Analytical Chemistry*, **2007**, 79, 8919-26	7.8	30
76	On-Chip Determination of Dopamine Exocytosis Using Mercaptopropionic Acid Modified Microelectrodes. *Electroanalysis*, **2007**, 19, 263-271	3	62
75	The use of single walled carbon nanotubes dispersed in a chitosan matrix for preparation of a galactose biosensor. *Biosensors and Bioelectronics*, **2007**, 22, 1820-4	11.8	110
74	Characterization of two new multiforms of Trametes pubescens laccase. *Bioorganic Chemistry*, **2007**, 35, 35-49	5.1	33
73	Amperometric monitoring of redox activity in intact, permeabilised and lyophilised cells of the yeast Hansenula polymorpha. *Electrochemistry Communications*, **2007**, 9, 1480-1485	5.1	9
72	Direct Heterogeneous Electron Transfer Reactions of Trametes hirsuta Laccase at Bare and Thiol-Modified Gold Electrodes. *Electroanalysis*, **2006**, 18, 1901-1908	3	78
71	Direct electron transfer--a favorite electron route for cellobiose dehydrogenase (CDH) from Trametes villosa. Comparison with CDH from Phanerochaete chrysosporium. *Langmuir*, **2006**, 22, 10801-6	4	55
70	Autoreduction and aggregation of fungal laccase in solution phase: possible correlation with a resting form of laccase. *Biochimie*, **2006**, 88, 1275-85	4.6	25

69	Laccase-based biosensors for monitoring lignin. *Enzyme and Microbial Technology*, **2006**, 39, 835-840	3.8	28
68	Electrochemical characterization and application of azurin-modified gold electrodes for detection of superoxide. *Biosensors and Bioelectronics*, **2006**, 22, 213-9	11.8	21
67	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	5.1	79
66	Interaction of fungal laccases and laccase-mediator systems with lignin. *Enzyme and Microbial Technology*, **2006**, 39, 841-847	3.8	56
65	Spraying enzymes in microemulsions of AOT in nonpolar organic solvents for fabrication of enzyme electrodes. *Analytical Chemistry*, **2005**, 77, 7074-9	7.8	15
64	Multivariate data analysis of dynamic amperometric biosensor responses from binary analyte mixtures-application of sensitivity correction algorithms. *Talanta*, **2005**, 65, 298-305	6.2	10
63	Amperometric detection of mono- and diphenols at Cerrena unicolor laccase-modified graphite electrode: correlation between sensitivity and substrate structure. *Talanta*, **2005**, 66, 1219-24	6.2	94
62	Chemometric exploration of an amperometric biosensor array for fast determination of wastewater quality. *Biosensors and Bioelectronics*, **2005**, 21, 608-17	11.8	58
61	A steady-state and flow-through cell for screen-printed eight-electrode arrays. *Analytica Chimica Acta*, **2005**, 531, 165-172	6.6	20
60	Direct electron transfer reactions of laccases from different origins on carbon electrodes. *Bioelectrochemistry*, **2005**, 67, 115-24	5.6	194
59	Direct Electrochemistry of Proteins and Enzymes. *Perspectives in Bioanalysis*, **2005**, 517-598		45
58	Electrochemical investigation of cellobiose dehydrogenase from new fungal sources on Au electrodes. *Biosensors and Bioelectronics*, **2005**, 20, 2010-8	11.8	47
57	Direct electron transfer between copper-containing proteins and electrodes. *Biosensors and Bioelectronics*, **2005**, 20, 2517-54	11.8	518
56	Electrochemical redox transformations of T1 and T2 copper sites in native Trametes hirsuta laccase at gold electrode. *Biochemical Journal*, **2005**, 385, 745-54	3.8	141
55	Characterization of graphite electrodes modified with laccases from Trametes hirsuta and Cerrena unicolor and their use for flow injection amperometric determination of some phenolic compounds. *International Journal of Environmental Analytical Chemistry*, **2005**, 85, 753-770	1.8	14
54	Development of a Laccase-Modified Electrode for Amperometric Detection of Mono- and Diphenols. The Influence of Enzyme Storage Method. *Analytical Letters*, **2004**, 37, 1497-1513	2.2	10
53	Spectroelectrochemical study of heme- and molybdopterin cofactor-containing chicken liver sulphite oxidase. *Bioelectrochemistry*, **2004**, 63, 49-53	5.6	17
52	Direct heterogeneous electron transfer of theophylline oxidase. *Biosensors and Bioelectronics*, **2004**, 20, 176-83	11.8	20

51	Direct Electron Transfer Between Ligninolytic Redox Enzymes and Electrodes. *Electroanalysis*, **2004**, 16, 1074-1092	3	118
50	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	5.1	52
49	Direct heterogeneous electron transfer reactions of bilirubin oxidase at a spectrographic graphite electrode. *Electrochemistry Communications*, **2004**, 6, 934-939	5.1	110
48	Use of laccase-modified electrode for amperometric detection of plant flavonoids. *Enzyme and Microbial Technology*, **2004**, 35, 238-241	3.8	79
47	Recombinant horseradish peroxidase - and cytochrome c-based two-electrode system for detection of superoxide radicals. *Bioelectrochemistry*, **2004**, 63, 277-80	5.6	16
46	Biosensor based on cellobiose dehydrogenase for detection of catecholamines. *Analytical Chemistry*, **2004**, 76, 4690-6	7.8	59
45	Spectroelectrochemistry of cytochrome P450cam. *Biochemical and Biophysical Research Communications*, **2004**, 314, 810-6	3.4	29
44	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	3	24
43	Screen-Printed Carbon Electrodes Modified with Cellobiose Dehydrogenase: Amplification Factor for Catechol vs. Reversibility of Ferricyanide. *Electroanalysis*, **2003**, 15, 492-498	3	14
42	Sensor and biosensor based on Prussian Blue modified gold and platinum screen printed electrodes. *Biosensors and Bioelectronics*, **2003**, 18, 193-200	11.8	98
41	Direct electron transfer of heme- and molybdopterin cofactor-containing chicken liver sulfite oxidase on alkanethiol-modified gold electrodes. *Analytical Chemistry*, **2003**, 75, 4841-50	7.8	111
40	Stabilisation of tyrosinase by reversed micelles for bioelectrocatalysis in dry organic media. *Biochimica Et Biophysica Acta - General Subjects*, **2003**, 1620, 119-24	4	9
39	Direct Electron Transfer Between Graphite Electrodes and Ligninolytic Peroxidases from Phanerochaete chrysosporium. *Electroanalysis*, **2002**, 14, 1411-1418	3	14
38	Effect of cysteine mutations on direct electron transfer of horseradish peroxidase on gold. *Biosensors and Bioelectronics*, **2002**, 17, 953-63	11.8	69
37	In-field monitoring of cleaning efficiency in waste water treatment plants using two phenol-sensitive biosensors. *Analytica Chimica Acta*, **2002**, 456, 3-17	6.6	33
36	Mediatorless biosensor for H(2)O(2) based on recombinant forms of horseradish peroxidase directly adsorbed on polycrystalline gold. *Biosensors and Bioelectronics*, **2001**, 16, 147-57	11.8	150
35	Direct electron transfer of cellobiose dehydrogenase from various biological origins at gold and graphite electrodes. *Journal of Electroanalytical Chemistry*, **2001**, 496, 76-81	4.1	60
34	Direct electron transfer in the system gold electrode recombinant horseradish peroxidases. *Journal of Electroanalytical Chemistry*, **2001**, 509, 19-26	4.1	50

33	Spectroelectrochemical study of cellobiose dehydrogenase and diaphorase in a thiol-modified gold capillary in the absence of mediators. *Bioelectrochemistry*, **2001**, 53, 243-9	5.6	41
32	Effect of interfering substances on current response of recombinant peroxidase and glucose oxidase-recombinant peroxidase modified graphite electrodes. *Analyst, The*, **2001**, 126, 1929-35	5	9
31	Sensor for Hydrogen Peroxide Based on Prussian Blue Modified Electrode. Improvement of the Operational Stability.. *Analytical Sciences*, **2000**, 16, 795-798	1.7	66
30	A Reagentless Amperometric Carbon Paste Based Sensor for NADH. *Electroanalysis*, **2000**, 12, 194-198	3	23
29	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	9.3	19
28	Direct electron transfer between the heme of cellobiose dehydrogenase and thiol modified gold electrodes. *Journal of Electroanalytical Chemistry*, **2000**, 494, 105-113	4.1	75
27	Bioelectrochemical characterisation of cellobiose dehydrogenase modified graphite electrodes: ionic strength and pH dependences. *Journal of Electroanalytical Chemistry*, **2000**, 482, 1-10	4.1	48
26	Biosensors based on novel peroxidases with improved properties in direct and mediated electron transfer. *Biosensors and Bioelectronics*, **2000**, 15, 491-7	11.8	120
25	Cellobiose Dehydrogenase and Peroxidase Biosensors for Determination of Phenolic Compounds. *ACS Symposium Series*, **2000**, 113-124	0.4	9
24	Direct and mediated electron transfer catalyzed by anionic tobacco peroxidase. *Applied Biochemistry and Biotechnology*, **2000**, 88, 321-334	3.2	19
23	Direct heterogeneous electron transfer of recombinant horseradish peroxidases on gold. *Faraday Discussions*, **2000**, 281-9; discussion 335-51	3.6	55
22	Electrooxidation mechanism of biogenic amines at amine oxidase modified graphite electrode. *Analytical Chemistry*, **2000**, 72, 5988-93	7.8	9
21	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	4.1	113
20	Direct electron transfer catalysed by recombinant forms of horseradish peroxidase: insight into the mechanism. *Electrochemistry Communications*, **1999**, 1, 171-175	5.1	62
19	Redox hydrogel based bienzyme electrode for L-glutamate monitoring. *Journal of Pharmaceutical and Biomedical Analysis*, **1999**, 19, 93-105	3.5	49
18	Development of a cellobiose dehydrogenase modified electrode for amperometric detection of diphenols. *Analyst, The*, **1999**, 124, 527-532	5	59
17	Diffusionless electron transfer of microperoxidase-11 on gold electrodes. *Journal of Electroanalytical Chemistry*, **1999**, 469, 123-131	4.1	54
16	Oxidation of indole-3-acetic acid by dioxygen catalysed by plant peroxidases: specificity for the enzyme structure. *Biochemical Journal*, **1999**, 340, 579	3.8	38

15	Oligosaccharide dehydrogenase-catalyzed assay for the determination of polysaccharides. *Analytical Biochemistry*, **1998**, 265, 151-6	3.1	4
14	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	4.1	48
13	Electron Transfer between Surface-Confined Cytochrome c and an N-Acetylcysteine-Modified Gold Electrode. *Langmuir*, **1998**, 14, 7298-7305	4	42
12	Bioelectrochemical monitoring of phenols and aromatic amines in flow injection using novel plant peroxidases. *Analytical Chemistry*, **1998**, 70, 2596-600	7.8	110
11	LC-Biosensor System for the Determination of the Neurotoxin □N-Oxalyl-l-□diaminopropionic Acid. *Analytical Chemistry*, **1997**, 69, 3471-5	7.8	19
10	Oligosaccharide dehydrogenase-modified graphite electrodes for the amperometric determination of sugars in a flow injection system. *Analytical Chemistry*, **1997**, 69, 4039-44	7.8	23
9	Effects of pretreatments and modifiers on electrochemical properties of carbon paste electrodes. *Electroanalysis*, **1997**, 9, 357-365	3	30
8	Amperometric detection of phenols using peroxidase-modified graphite electrodes. *Analytica Chimica Acta*, **1997**, 347, 51-62	6.6	64
7	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	6.6	33
6	Rate-limiting steps of tyrosinase-modified electrodes for the detection of catechol. *Analytical Chemistry*, **1996**, 68, 1605-11	7.8	70
5	Characterization of tyrosinase-teflon/graphite composite electrodes for the determination of catechol in environmental analysis. *Electroanalysis*, **1996**, 8, 885-890	3	17
4	Effect of HY-zeolites on the performance of tyrosinase-modified carbon paste electrodes. *Electroanalysis*, **1996**, 8, 1121-1126	3	34
3	Peroxidase-modified electrodes: Fundamentals and application. *Analytica Chimica Acta*, **1996**, 330, 123-138	3.8	435
2	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	8.5	4
1	Development of enzyme-based amperometric sensors for the determination of phenolic compounds. *TrAC - Trends in Analytical Chemistry*, **1995**, 14, 319-328	14.6	61