Lauro Tatsuo Kubota

List of Publications by Year
in descending order

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347 papers	14,270 citations	15504 65 h-index	38395 95 g-index
354 all docs	354 docs citations	354 times ranked	14012 citing authors

#	Article	IF	Citations
1	Review of the use of biosensors as analytical tools in the food and drink industries. Food Chemistry, 2002, 77, 237-256.	8.2	497
2	Sensing approaches on paper-based devices: a review. Analytical and Bioanalytical Chemistry, 2013, 405, 7573-7595.	3.7	437
3	Electrochemical Biosensors in Pointâ€ofâ€Care Devices: Recent Advances and Future Trends. ChemElectroChem, 2017, 4, 778-794.	3.4	230
4	Solid Contact Potentiometric Sensors for Trace Level Measurements. Analytical Chemistry, 2006, 78, 1318-1322.	6.5	197
5	Electrochemical Detection in a Paper-Based Separation Device. Analytical Chemistry, 2010, 82, 1162-1165.	6.5	197
6	Direct electron transfer: an approach for electrochemical biosensors with higher selectivity and sensitivity. Journal of the Brazilian Chemical Society, 2003, 14, 230-243.	0.6	193
7	Separation and electrochemical detection of paracetamol and 4-aminophenol in a paper-based microfluidic device. Analytica Chimica Acta, 2012, 725, 44-50.	5.4	191
8	Polycrystalline Gold Electrodes: A Comparative Study of Pretreatment Procedures Used for Cleaning and Thiol Self-Assembly Monolayer Formation. Electroanalysis, 2005, 17, 1251-1259.	2.9	169
9	Effects of fungal laccase immobilization procedures for the development of a biosensor for phenol compounds. Talanta, 2001, 54, 681-686.	5.5	156
10	Effect of magnetite on the adsorption behavior of Pb(II), Cd(II), and Cu(II) in chitosan-based hydrogels. Desalination, 2011, 275, 187-196.	8.2	150
11	Solid-phase extraction system for Pb (II) ions enrichment based on multiwall carbon nanotubes coupled on-line to flame atomic absorption spectrometry. Talanta, 2007, 71, 1512-1519.	5.5	149
12	Low cost, simple three dimensional electrochemical paper-based analytical device for determination of p-nitrophenol. Electrochimica Acta, 2014, 130, 771-777.	5.2	137
13	Simultaneous determination of phenol isomers in binary mixtures by differential pulse voltammetry using carbon fibre electrode and neural network with pruning as a multivariate calibration tool. Analytica Chimica Acta, 2000, 420, 109-121.	5.4	131
14	EspÃ©cies reativas de oxigÃªnio e de nitrogÃªnio, antioxidantes e marcadores de dano oxidativo em sangue humano: principais mÃ©todos analÃticos para sua determinaÃ§Ã£o. Quimica Nova, 2007, 30, 1323-1338.	0.3	130
15	Determination of nitrite in food samples by anodic voltammetry using a modified electrode. Food Chemistry, 2009, 113, 1206-1211.	8.2	123
16	A new approach for paper-based analytical devices with electrochemical detection based on graphite pencil electrodes. Sensors and Actuators B: Chemical, 2013, 177, 224-230.	7.8	116
17	Determination of Thickness, Dielectric Constant of Thiol Films, and Kinetics of Adsorption Using Surface Plasmon Resonance. Langmuir, 2005, 21, 602-609.	3.5	113
18	Biosensors based on gold nanostructures. Journal of the Brazilian Chemical Society, 2011, 22, 3-20.	0.6	113

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19	Study of NADH Stability Using Ultravioletâ€“Visible Spectrophotometric Analysis and Factorial Design. Analytical Biochemistry, 1998, 260, 50-55.	2.4	111
20	HRP-based amperometric biosensor for the polyphenols determination in vegetables extract. Sensors and Actuators B: Chemical, 2003, 96, 636-645.	7.8	111
21	InP Nanowire Biosensor with Tailored Biofunctionalization: Ultrasensitive and Highly Selective Disease Biomarker Detection. Nano Letters, 2017, 17, 5938-5949.	9.1	111
22	Biosensor for phenol based on the direct electron transfer blocking of peroxidase immobilising on silicaâ€“titanium. Analytica Chimica Acta, 1999, 390, 65-72.	5.4	108
23	Enhancement of the detection limit for lateral flow immunoassays: Evaluation and comparison of bioconjugates. Journal of Immunological Methods, 2012, 375, 264-270.	1.4	106
24	Direct determination of paracetamol in powdered pharmaceutical samples by fluorescence spectroscopy. Analytica Chimica Acta, 2005, 539, 257-261.	5.4	105
25	Reusable, Robust, and Accurate Laser-Generated Photonic Nanosensor. Nano Letters, 2014, 14, 3587-3593.	9.1	103
26	Amperometric sensor for nitrite using a glassy carbon electrode modified with alternating layers of iron(III) tetra-(N-methyl-4-pyridyl)-porphyrin and cobalt(II) tetrasulfonated phthalocyanine. Talanta, 2006, 70, 588-594.	5.5	102
27	Use of silica gel chemically modified with zirconium phosphate for preconcentration and determination of lead and copper by flame atomic absorption spectrometry. Talanta, 2003, 60, 1105-1111.	5.5	100
28	Polishable and Renewable DNA Hybridization Biosensors. Analytical Chemistry, 1998, 70, 3699-3702.	6.5	98
29	Investigations of the antioxidant properties of plant extracts using a DNA-electrochemical biosensor. Biosensors and Bioelectronics, 2006, 21, 1374-1382.	10.1	98
30	An SPR immunosensor for human cardiac troponin T using specific binding avidin to biotin at carboxymethyldextran-modified gold chip. Clinica Chimica Acta, 2007, 376, 114-120.	1.1	97
31	Voltammetric determination of 4-nitrophenol at a lithium tetracyanoethylenide (LiTCNE) modified glassy carbon electrode. Talanta, 2004, 64, 935-942.	5.5	96
32	Simultaneous determination of zinc, cadmium and lead in environmental water samples by potentiometric stripping analysis (PSA) using multiwalled carbon nanotube electrode. Journal of Hazardous Materials, 2009, 169, 256-262.	12.4	96
33	Surface plasmon resonance immunosensor for human cardiac troponin T based on self-assembled monolayer. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 1744-1750.	2.8	92
34	Amperometric biosensor for lactate based on lactate dehydrogenase and Meldola Blue coimmobilized on multi-wall carbon-nanotube. Sensors and Actuators B: Chemical, 2007, 124, 269-276.	7.8	92
35	Microwave-assisted synthesis of palladium nanoparticles intercalated nitrogen doped reduced graphene oxide and their electrocatalytic activity for direct-ethanol fuel cells. Journal of Colloid and Interface Science, 2018, 515, 160-171.	9.4	91
36	Microfluidic paper-based devices for bioanalytical applications. Bioanalysis, 2014, 6, 89-106.	1.5	90

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37	Effects of EDTA on signal stability during electrochemical detection of acetaminophen. Journal of Pharmaceutical and Biomedical Analysis, 2004, 34, 871-878.	2.8	89
38	Biosensors as a tool for the antioxidant status evaluation. Talanta, 2007, 72, 335-348.	5.5	89
39	Efficiency of hydrogels based on natural polysaccharides in the removal of Cd2+ ions from aqueous solutions. Chemical Engineering Journal, 2011, 168, 68-76.	12.7	88
40	A very low potential electrochemical detection of l-cysteine based on a glassy carbon electrode modified with multi-walled carbon nanotubes/gold nanorods. Biosensors and Bioelectronics, 2013, 50, 202-209.	10.1	86
41	Cationâ€Dependent Stabilization of Electrogenerated Naphthalene Diimide Dianions in Porous Polymer Thin Films and Their Application to Electrical Energy Storage. Angewandte Chemie - International Edition, 2015, 54, 13225-13229.	13.8	86
42	Development of a laccase-based flow injection electrochemical biosensor for the determination of phenolic compounds and its application for monitoring remediation of Kraft E1 paper mill effluent. Analytica Chimica Acta, 2002, 463, 229-238.	5.4	84
43	Simple On-Plastic/Paper Inkjet-Printed Solid-State Ag/AgCl Pseudoreference Electrode. Analytical Chemistry, 2014, 86, 10531-10534.	6.5	82
44	Fabrication and electrochemical evaluation of micro-supercapacitors prepared by direct laser writing on free-standing graphite oxide paper. Energy, 2019, 179, 676-684.	8.8	82
45	Effect of pH on the catalytic electrooxidation of NADH using different two-electron mediators immobilised on zirconium phosphate. Journal of Electroanalytical Chemistry, 2001, 509, 2-10.	3.8	79
46	Construction and Electrochemical Characterization of Microelectrodes for Improved Sensitivity in Paper-Based Analytical Devices. Analytical Chemistry, 2013, 85, 5233-5239.	6.5	78
47	Recent Trends in Field-Effect Transistors-Based Immunosensors. Chemosensors, 2016, 4, 20.	3.6	78
48	Fabrication of interdigitated micro-supercapacitor devices by direct laser writing onto ultra-thin, flexible and free-standing graphite oxide films. RSC Advances, 2016, 6, 84769-84776.	3.6	77
49	Molecularly-imprinted solid phase extraction of catechol from aqueous effluents for its selective determination by differential pulse voltammetry. Analytica Chimica Acta, 2005, 548, 11-19.	5.4	76
50	Exploiting micellar environment for simultaneous electrochemical determination of ascorbic acid and dopamine. Talanta, 2005, 67, 829-835.	5.5	75
51	Dissolved oxygen sensor based on cobalt tetrasulphonated phthalocyanine immobilized in poly-l-lysine film onto glassy carbon electrode. Sensors and Actuators B: Chemical, 2006, 114, 1019-1027.	7.8	74
52	Cyclic voltammetry studies of copper and nickel hexacyanoferrate immobilized on a silica gel surface coated with titanium(IV) oxide. Journal of Electroanalytical Chemistry, 1993, 362, 219-225.	3.8	73
53	Application of self-assembled monolayer-based electrode for voltammetric determination of copper. Electrochimica Acta, 2004, 49, 3795-3800.	5.2	72
54	On-line molecularly imprinted solid phase extraction for the selective spectrophotometric determination of catechol. Microchemical Journal, 2007, 85, 290-296.	4.5	72

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55	Direct laser writing of micro-supercapacitors on thick graphite oxide films and their electrochemical properties in different liquid inorganic electrolytes. Journal of Colloid and Interface Science, 2017, 507, 271-278.	9.4	72
56	Application of two- and three-way chemometric methods in the study of acetylsalicylic acid and ascorbic acid mixtures using ultraviolet spectrophotometry. Analytica Chimica Acta, 2000, 409, 159-170.	5.4	71
57	Electroanalytical determination of acid phosphatase activity by monitoring p-nitrophenol. Analytica Chimica Acta, 2001, 441, 207-214.	5.4	71
58	Selective determination of caffeic acid in wines with electrochemical sensor based on molecularly imprinted siloxanes. Sensors and Actuators B: Chemical, 2014, 193, 238-246.	7.8	70
59	Electrochemical detection of dengue virus NS1 protein with a poly(allylamine)/carbon nanotube layered immunoelectrode. Journal of Chemical Technology and Biotechnology, 2015, 90, 194-200.	3.2	70
60	Integrated, paper-based potentiometric electronic tongue for the analysis of beer and wine. Analytica Chimica Acta, 2016, 918, 60-68.	5.4	70
61	Emerging Considerations for the Future Development of Electrochemical Paperâ€Based Analytical Devices. ChemElectroChem, 2019, 6, 10-30.	3.4	70
62	Preliminary electrochemical study of phenothiazines and phenoxazines immobilized on zirconium phosphate. Journal of Electroanalytical Chemistry, 1997, 431, 23-27.	3.8	69
63	Evaluation of enzyme immobilization methods for paper-based devicesâ€"A glucose oxidase study. Journal of Pharmaceutical and Biomedical Analysis, 2016, 117, 551-559.	2.8	69
64	Synthesis and characterization of zeolite-encapsulated metalloporphyrins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 168, 261-276.	4.7	68
65	SiO2/Nb2O5 solâ€"gel as a support for HRP immobilization in biosensor preparation for phenol detection. Electrochimica Acta, 2002, 47, 4451-4458.	5.2	68
66	Amperometric biosensor for ethanol based on co-immobilization of alcohol dehydrogenase and Meldola's Blue on multi-wall carbon nanotube. Electrochimica Acta, 2006, 52, 215-220.	5.2	68
67	Development of an enzymeless biosensor for the determination of phenolic compounds. Analytica Chimica Acta, 2002, 455, 215-223.	5.4	65
68	Characterization of self-assembled thiols monolayers on gold surface by electrochemical impedance spectroscopy. Journal of the Brazilian Chemical Society, 2004, 15, 849-855.	0.6	65
69	A hemin-based molecularly imprinted polymer (MIP) grafted onto a glassy carbon electrode as a selective sensor for 4-aminophenol amperometric. Sensors and Actuators B: Chemical, 2011, 152, 220-225.	7.8	65
70	Controlled density of defects assisted perforated structure in reduced graphene oxide nanosheets-palladium hybrids for enhanced ethanol electro-oxidation. Carbon, 2017, 117, 137-146.	10.3	65
71	Electropolymerization of ferulic acid on multi-walled carbon nanotubes modified glassy carbon electrode as a versatile platform for NADH, dopamine and epinephrine separate detection. Microchemical Journal, 2017, 133, 460-467.	4.5	65
72	Novas tendÃªncias para o tratamento de resÃduos industriais contendo espÃ©cies organocloradas. Quimica Nova, 2000, 23, 504-511.	0.3	64

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73	Insight into the Electro-Oxidation Mechanism of Glucose and Other Carbohydrates by CuO-Based Electrodes. Analytical Chemistry, 2018, 90, 3357-3365.	6.5	64
74	Electrochemical Sensor for Hydrazine Based on Silica Modified with Nickel Tetrasulfonated Phthalocyanine. Electroanalysis, 1998, 10, 111-115.	2.9	63
75	Highly stable amperometric biosensor for ethanol based on Meldola's blue adsorbed on silica gel modified with niobium oxide. Journal of Electroanalytical Chemistry, 2003, 547, 135-142.	3.8	63
76	PolÃmeros biomimÃ©ticos em quÃmica analÃtica. Parte 1: preparo e aplicaÃ§Ãµes de MIP ("Molecularly) Tj ETQq0 0 0 rgBT /Overlock 10	0.3	62
77	Nickel hydroxide electrodes as amperometric detectors for carbohydrates in flow injection analysis and liquid chromatography. Journal of Electroanalytical Chemistry, 2009, 636, 18-23.	3.8	62
78	Anodic oxidation of cysteine catalysed by nickel tetrasulphonated phthalocyanine immobilized on silica gel modified with titanium (IV) oxide. Electrochimica Acta, 1998, 43, 1665-1673.	5.2	61
79	Electrochemical Behavior of Copper Porphyrin Synthesized into Zeolite Cavity: A Sensor for Hydrazine. Electroanalysis, 1998, 10, 462-466.	2.9	60
80	Bi-enzymatic amperometric biosensor for oxalate. Sensors and Actuators B: Chemical, 2001, 72, 80-85.	7.8	60
81	Tris (2,2â€²-bipyridil) copper (II) chloride complex: a biomimetic tyrosinase catalyst in the amperometric sensor construction. Electrochimica Acta, 2003, 48, 855-865.	5.2	60
82	Electrochemical oxidation of glycine by doped nickel hydroxide modified electrode. Sensors and Actuators B: Chemical, 2008, 135, 245-249.	7.8	60
83	Electrochemical sensor for NADH based on Meldola's blue immobilized on silica gel modified with titanium phosphate. Electrochimica Acta, 1996, 41, 1465-1469.	5.2	59
84	An amperometric sensor based on electrochemically triggered reaction: Redox-active Arâ€“NO/Arâ€“NHOH from 4-nitrophthalonitrile-modified electrode for the low voltage cysteine detection. Journal of Electroanalytical Chemistry, 2008, 612, 87-96.	3.8	59
85	Development of a label-free immunosensor based on surface plasmon resonance technique for the detection of anti-Leishmania infantum antibodies in canine serum. Biosensors and Bioelectronics, 2013, 46, 22-29.	10.1	58
86	Determination of glutathione in hemolysed erythrocyte with amperometric sensor based on TTF-TCNQ. Clinica Chimica Acta, 2006, 371, 152-158.	1.1	57
87	Mixed enzyme (laccase/tyrosinase)-based remote electrochemical biosensor for monitoring phenolic compounds. Analyst, The, 2002, 127, 258-261.	3.5	56
88	Potentiometric biosensor for l-ascorbic acid based on ascorbate oxidase of natural source immobilized on ethyleneâ€“vinylacetate membrane. Analytica Chimica Acta, 1999, 385, 3-12.	5.4	55
89	Effects of different self-assembled monolayers on enzyme immobilization procedures in peroxidase-based biosensor development. Journal of Electroanalytical Chemistry, 2008, 612, 164-172.	3.8	55
90	Novel electrochemical sensor for the selective recognition of chlorogenic acid. Analytica Chimica Acta, 2011, 695, 44-50.	5.4	55

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91	Electrochemical sensor based on imprinted solâ€“gel and nanomaterial for determination of caffeine. Sensors and Actuators B: Chemical, 2012, 166-167, 739-745.	7.8	54
92	Development of an amperometric biosensor based on glutathione peroxidase immobilized in a carbodiimide matrix for the analysis of reduced glutathione from serum. Clinica Chimica Acta, 2001, 308, 55-67.	1.1	53
93	Nile blue adsorbed onto silica gel modified with niobium oxide for electrocatalytic oxidation of NADH. Electrochimica Acta, 2002, 47, 3351-3360.	5.2	52
94	Amperometric biosensor based on horseradish peroxidase for biogenic amine determinations in biological samples. Journal of Pharmaceutical and Biomedical Analysis, 2005, 37, 785-791.	2.8	52
95	Electrochemical Properties of Iron Phthalocyanine Immobilized on Titanium(IV) Oxide Coated on Silica Gel Surface. Langmuir, 1995, 11, 1009-1013.	3.5	51
96	A brief review on the strategy of developing SPR-based biosensors for application to the diagnosis of neglected tropical diseases. Talanta, 2019, 205, 120122.	5.5	49
97	Electrochemical biosensor-based devices for continuous phenols monitoring in environmental matrices. Journal of the Brazilian Chemical Society, 2002, 13, 456.	0.6	47
98	Dual amperometric biosensor device for analysis of binary mixtures of phenols by multivariate calibration using partial least squares. Analytica Chimica Acta, 2003, 485, 263-269.	5.4	47
99	Electrochemical detection of cysteine in a flow system based on reductive desorption of thiols from gold. Analytica Chimica Acta, 2006, 575, 172-179.	5.4	45
100	Immunospot assay based on fluorescent nanoparticles for Dengue fever detection. Biosensors and Bioelectronics, 2013, 41, 180-185.	10.1	45
101	Construction of a new functional platform by grafting poly(4-vinylpyridine) in multi-walled carbon nanotubes for complexing copper ions aiming the amperometric detection of l-cysteine. Electrochimica Acta, 2012, 71, 150-158.	5.2	44
102	TendÃªncias em modificaÃ§Ã£o de eletrodos amperomÃ©tricos para aplicaÃ§Ãµes eletroanalÃticas. Quimica Nova, 2002, 25, 1012.	0.3	43
103	Investigations of ultrathin polypyrrole films: Formation and effects of doping/dedoping processes on its optical properties by electrochemical surface plasmon resonance (ESPR). Electrochimica Acta, 2006, 51, 1304-1312.	5.2	43
104	Triboelectric effect as a new strategy for sealing and controlling the flow in paper-based devices. Lab on A Chip, 2015, 15, 1651-1655.	6.0	43
105	Electrochemical study of methylene blue immobilized in zirconium phosphate. Electroanalysis, 1997, 9, 800-803.	2.9	42
106	Adsorption Parameters of Cd(II), Pb(II), and Hg(II) on Zirconium(IV) Phosphate Chemically Grafted onto Silica Gel Surface. Journal of Colloid and Interface Science, 1998, 200, 121-125.	9.4	42
107	Biossensores amperomÃ©tricos para determinaÃ§Ã£o de compostos fenÃ³licos em amostras de interesse ambiental. Quimica Nova, 2001, 24, 77-86.	0.3	42
108	Experimental design employed to square wave voltammetry response optimization for the glyphosate determination. Journal of the Brazilian Chemical Society, 2004, 15, 865-871.	0.6	42

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109	Synthesis and application of a peroxidase-like molecularly imprinted polymer based on hemin for selective determination of serotonin in blood serum. Analytica Chimica Acta, 2009, 631, 170-176.	5.4	42
110	Dissolved oxygen amperometric sensor based on layer-by-layer assembly using hostâ€“guest supramolecular interactions. Analytica Chimica Acta, 2010, 664, 144-150.	5.4	42
111	Voltammetric method optimized by multi-response assays for the simultaneous measurements of uric acid and acetaminophen in urine in the presence of surfactant using MWCNT paste electrode. Journal of Electroanalytical Chemistry, 2013, 696, 52-58.	3.8	42
112	Adsorption of metal ions from ethanol on an iminosalicyl-modified silica gel. Analyst, The, 1989, 114, 1385.	3.5	41
113	Acetylsalicylic acid determination in pharmaceutical samples by FIA-potentiometry using a salicylate-sensitive tubular electrode with an ethylene-vinyl acetate membrane. Analytica Chimica Acta, 1998, 366, 103-109.	5.4	41
114	A catalytically active molecularly imprinted polymer that mimics peroxidase based on hemin: application to the determination of p-aminophenol. Analytical and Bioanalytical Chemistry, 2007, 389, 1919-1929.	3.7	41
115	Poly-xanthurenic acid as an efficient mediator for the electrocatalytic oxidation of NADH. Electrochemistry Communications, 2010, 12, 450-454.	4.7	41
116	Hydroxyapatite-based electrode: a new sensor for phosphate. Analytical Communications, 1996, 33, 227.	2.2	40
117	A utilizaÃ§Ã£o de materiais obtidos pelo processo de sol-gel na construÃ§Ã£o de biossensores. Quimica Nova, 2002, 25, 835-841.	0.3	40
118	Development of an amperometric sensor for phenol compounds using a NafionÂ® membrane doped with copper dipyridyl complex as a biomimetic catalyst. Journal of Electroanalytical Chemistry, 2002, 536, 71-81.	3.8	40
119	Amperometric sensor for nitrite based on copper tetrasulphonated phthalocyanine immobilized with poly-l-lysine film. Talanta, 2008, 75, 333-338.	5.5	40
120	A new amperometric biosensor for fructose using a carbon paste electrode modified with silica gel coated with Meldola's Blue and fructose 5-dehydrogenase. Journal of Electroanalytical Chemistry, 1996, 418, 147-151.	3.8	39
121	Peroxidase-based biosensor as a tool for a fast evaluation of antioxidant capacity of tea. Food Chemistry, 2005, 92, 515-519.	8.2	39
122	Solid-phase spectrofluorimetric determination of acetylsalicylic acid and caffeine in pharmaceutical preparations using partial least-squares multivariate calibration. Talanta, 2005, 67, 65-69.	5.5	39
123	Cyclic voltammetric study of [Fe(CN)6]3â^'/4â^' immobilized on silica gel surface coated with titanium(IV) oxide. Electrochimica Acta, 1992, 37, 2477-2480.	5.2	38
124	Electrochemical Comparative Study of Riboflavin, FMN and FAD Immobilized on the Silica Gel Modified with Zirconium Oxide. Journal of the Brazilian Chemical Society, 2002, 13, 635-641.	0.6	38
125	Electrochemical sensing based on DNA nanotechnology. TrAC - Trends in Analytical Chemistry, 2019, 118, 597-605.	11.4	38
126	Preparation and characterization of Ti (IV) oxide grafted onto silica on a silica gel surface. Colloids and Surfaces, 1991, 57, 11-15.	0.9	37

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127	Iron(iii) tetra-(N-methyl-4-pyridyl)-porphyrin as a biomimetic catalyst of horseradish peroxidase on the electrode surface: An amperometric sensor for phenolic compound determinations. Analyst, The, 2003, 128, 255-259.	3.5	37
128	Cobalt(II) porphyrin complex immobilized on the binary oxide SiO2/Sb2O3: electrochemical properties and dissolved oxygen reduction study. Electrochimica Acta, 2004, 49, 829-834.	5.2	37
129	LACCASE-BASED SCREEN PRINTED ELECTRODE FOR AMPEROMETRIC DETECTION OF PHENOLIC COMPOUNDS. Analytical Letters, 2002, 35, 29-38.	1.8	36
130	Determination of Phenolic Compounds Based on Co-Immobilization of Methylene Blue and HRP on Multi-Wall Carbon Nanotubes. Electroanalysis, 2007, 19, 549-554.	2.9	36
131	Electrochemical Detection of Nitrite in Meat and Water Samples Using a Mesoporous Carbon Ceramic SiO₂/C Electrode Modified with In Situ Generated Manganese(II) Phthalocyanine. Electroanalysis, 2014, 26, 541-547.	2.9	36
132	SPR analysis of the interaction between a recombinant protein of unknown function in Leishmania infantum immobilised on dendrimers and antibodies of the visceral leishmaniasis: A potential use in immunodiagnosis. Biosensors and Bioelectronics, 2015, 70, 275-281.	10.1	36
133	Ferrocenecarboxylic acid adsorbed on Nb2O5 film grafted on a SiO2 surface: NADH oxidation study. Electrochimica Acta, 2001, 46, 2499-2505.	5.2	35
134	Determination of reduced glutathione using an amperometric carbon paste electrode chemically modified with TTFâ€“TCNQ. Sensors and Actuators B: Chemical, 2004, 100, 333-340.	7.8	35
135	Development of a sensor based on tetracyanoethylenide (LiTCNE)/poly-l-lysine (PLL) for dopamine determination. Electrochimica Acta, 2005, 50, 2675-2683.	5.2	35
136	Amperometric determination of chloroguaiacol at submicromolar levels after on-line preconcentration with molecularly imprinted polymers. Talanta, 2006, 69, 259-266.	5.5	35
137	SiO2/C/Cu(II)phthalocyanine as a biomimetic catalyst for dopamine monooxygenase in the development of an amperometric sensor. Electrochimica Acta, 2011, 56, 10116-10121.	5.2	35
138	Development of a disposable and highly sensitive paper-based immunosensor for early diagnosis of Asian soybean rust. Biosensors and Bioelectronics, 2013, 45, 123-128.	10.1	35
139	Multifunctional catalytic platform for peroxidase mimicking, enzyme immobilization and biosensing. Biosensors and Bioelectronics, 2016, 77, 746-751.	10.1	35
140	Development of a new FIA-potentiometric sensor for dopamine based on EVA-copper(II) ions. Journal of Electroanalytical Chemistry, 2000, 481, 34-41.	3.8	34
141	Electrochemical behavior of riboflavin immobilized on different matrices. Journal of Colloid and Interface Science, 2003, 265, 351-358.	9.4	34
142	Influence of EDTA on the electrochemical behavior of phenols. Journal of Electroanalytical Chemistry, 2003, 548, 19-26.	3.8	34
143	Cobalt tetrasulphonated phthalocyanine immobilized on poly-l-lysine film onto glassy carbon electrode as amperometric sensor for cysteine. Journal of Pharmaceutical and Biomedical Analysis, 2006, 42, 184-191.	2.8	34
144	A Nanostructured Piezoelectric Immunosensor for Detection of Human Cardiac Troponin T. Sensors, 2011, 11, 10785-10797.	3.8	34

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145	Structure, Properties, and Electrochemical Sensing Applications of Grapheneâ€Based Materials. ChemElectroChem, 2020, 7, 4508-4525.	3.4	34
146	Solid-phase fluorescence spectroscopy for the determination of acetylsalicylic acid in powdered pharmaceutical samples. Analytica Chimica Acta, 2004, 523, 49-52.	5.4	33
147	Electrochemical and spectroscopic characterization of the interaction between DNA and Cu(II)â€“naringin complex. Journal of Pharmaceutical and Biomedical Analysis, 2007, 45, 706-713.	2.8	33
148	A highly sensitive amperometric sensor for oxygen based on iron(II) tetrasulfonated phthalocyanine and iron(III) tetra-(N-methyl-pyridyl)-porphyrin multilayers. Analytica Chimica Acta, 2008, 612, 29-36.	5.4	33
149	Polyaniline nanofibersâ€“graphene oxide nanoplatelets composite thin film electrodes for electrochemical capacitors. RSC Advances, 2014, 4, 34168-34178.	3.6	33
150	Synthesis of Surface Molecularly Imprinted Poly(methacrylic acid-hemin) on Carbon Nanotubes for the Voltammetric Simultaneous Determination of Antioxidants from Lipid Matrices and Biodiesel. Electrochimica Acta, 2016, 212, 322-332.	5.2	33
151	Electrochemical behaviour of FAD and FMN immobilised on TiO2 modified carbon fibres supported by ATR-IR spectroscopy of FMN on TiO2. Bioelectrochemistry, 1998, 47, 39-46.	1.0	32
152	Experimental Optimization of Selective Hydrazine Detection in Flow Injection Analysis Using a Carbon Paste Electrode Modified with Copper Porphyrin Occluded into Zeolite Cavity.. Analytical Sciences, 1999, 15, 1231-1234.	1.6	32
153	Speciation of Sb(III) and Sb(V) in meglumine antimoniate pharmaceutical formulations by PSA using carbon nanotube electrode. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 151-157.	2.8	32
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