

Lauro Tatsuo Kubota

List of Publications by Year in descending order

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347
papers

14,270
citations

15466

65
h-index

38300

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.	4.2	497
2	Sensing approaches on paper-based devices: a review. Analytical and Bioanalytical Chemistry, 2013, 405, 7573-7595.	1.9	437
3	Electrochemical Biosensors in Point-of-Care Devices: Recent Advances and Future Trends. ChemElectroChem, 2017, 4, 778-794.	1.7	230
4	Solid Contact Potentiometric Sensors for Trace Level Measurements. Analytical Chemistry, 2006, 78, 1318-1322.	3.2	197
5	Electrochemical Detection in a Paper-Based Separation Device. Analytical Chemistry, 2010, 82, 1162-1165.	3.2	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.	2.6	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.	1.5	169
9	Effects of fungal laccase immobilization procedures for the development of a biosensor for phenol compounds. Talanta, 2001, 54, 681-686.	2.9	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.	4.0	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.	2.9	149
12	Low cost, simple three dimensional electrochemical paper-based analytical device for determination of p-nitrophenol. Electrochimica Acta, 2014, 130, 771-777.	2.6	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.	2.6	131
14	Esp�cies reativas de oxig�nio e de nitrog�nio, antioxidantes e marcadores de dano oxidativo em sangue humano: principais m�todos anal�ticos para sua determina�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.	4.2	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.	4.0	116
17	Determination of Thickness, Dielectric Constant of Thiol Films, and Kinetics of Adsorption Using Surface Plasmon Resonance. Langmuir, 2005, 21, 602-609.	1.6	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 Ultraviolet-Visible Spectrophotometric Analysis and Factorial Design. <i>Analytical Biochemistry</i> , 1998, 260, 50-55.	1.1	111
20	HRP-based amperometric biosensor for the polyphenols determination in vegetables extract. <i>Sensors and Actuators B: Chemical</i> , 2003, 96, 636-645.	4.0	111
21	InP Nanowire Biosensor with Tailored Biofunctionalization: Ultrasensitive and Highly Selective Disease Biomarker Detection. <i>Nano Letters</i> , 2017, 17, 5938-5949.	4.5	111
22	Biosensor for phenol based on the direct electron transfer blocking of peroxidase immobilising on silica-titanium. <i>Analytica Chimica Acta</i> , 1999, 390, 65-72.	2.6	108
23	Enhancement of the detection limit for lateral flow immunoassays: Evaluation and comparison of bioconjugates. <i>Journal of Immunological Methods</i> , 2012, 375, 264-270.	0.6	106
24	Direct determination of paracetamol in powdered pharmaceutical samples by fluorescence spectroscopy. <i>Analytica Chimica Acta</i> , 2005, 539, 257-261.	2.6	105
25	Reusable, Robust, and Accurate Laser-Generated Photonic Nanosensor. <i>Nano Letters</i> , 2014, 14, 3587-3593.	4.5	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. <i>Talanta</i> , 2006, 70, 588-594.	2.9	102
27	Use of silica gel chemically modified with zirconium phosphate for preconcentration and determination of lead and copper by flame atomic absorption spectrometry. <i>Talanta</i> , 2003, 60, 1105-1111.	2.9	100
28	Polishable and Renewable DNA Hybridization Biosensors. <i>Analytical Chemistry</i> , 1998, 70, 3699-3702.	3.2	98
29	Investigations of the antioxidant properties of plant extracts using a DNA-electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1374-1382.	5.3	98
30	An SPR immunosensor for human cardiac troponin T using specific binding avidin to biotin at carboxymethyl-dextran-modified gold chip. <i>Clinica Chimica Acta</i> , 2007, 376, 114-120.	0.5	97
31	Voltammetric determination of 4-nitrophenol at a lithium tetracyanoethylene (LiTCNE) modified glassy carbon electrode. <i>Talanta</i> , 2004, 64, 935-942.	2.9	96
32	Simultaneous determination of zinc, cadmium and lead in environmental water samples by potentiometric stripping analysis (PSA) using multiwalled carbon nanotube electrode. <i>Journal of Hazardous Materials</i> , 2009, 169, 256-262.	6.5	96
33	Surface plasmon resonance immunosensor for human cardiac troponin T based on self-assembled monolayer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1744-1750.	1.4	92
34	Amperometric biosensor for lactate based on lactate dehydrogenase and Meldola Blue coimmobilized on multi-wall carbon-nanotube. <i>Sensors and Actuators B: Chemical</i> , 2007, 124, 269-276.	4.0	92
35	Microwave-assisted synthesis of palladium nanoparticles intercalated nitrogen doped reduced graphene oxide and their electrocatalytic activity for direct-ethanol fuel cells. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 160-171.	5.0	91
36	Microfluidic paper-based devices for bioanalytical applications. <i>Bioanalysis</i> , 2014, 6, 89-106.	0.6	90

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37	Effects of EDTA on signal stability during electrochemical detection of acetaminophen. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 34, 871-878.	1.4	89
38	Biosensors as a tool for the antioxidant status evaluation. <i>Talanta</i> , 2007, 72, 335-348.	2.9	89
39	Efficiency of hydrogels based on natural polysaccharides in the removal of Cd ²⁺ ions from aqueous solutions. <i>Chemical Engineering Journal</i> , 2011, 168, 68-76.	6.6	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. <i>Biosensors and Bioelectronics</i> , 2013, 50, 202-209.	5.3	86
41	Cation-Dependent Stabilization of Electrogenerated Naphthalene Diimide Dianions in Porous Polymer Thin Films and Their Application to Electrical Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13225-13229.	7.2	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. <i>Analytica Chimica Acta</i> , 2002, 463, 229-238.	2.6	84
43	Simple On-Plastic/Paper Inkjet-Printed Solid-State Ag/AgCl Pseudoreference Electrode. <i>Analytical Chemistry</i> , 2014, 86, 10531-10534.	3.2	82
44	Fabrication and electrochemical evaluation of micro-supercapacitors prepared by direct laser writing on free-standing graphite oxide paper. <i>Energy</i> , 2019, 179, 676-684.	4.5	82
45	Effect of pH on the catalytic electrooxidation of NADH using different two-electron mediators immobilised on zirconium phosphate. <i>Journal of Electroanalytical Chemistry</i> , 2001, 509, 2-10.	1.9	79
46	Construction and Electrochemical Characterization of Microelectrodes for Improved Sensitivity in Paper-Based Analytical Devices. <i>Analytical Chemistry</i> , 2013, 85, 5233-5239.	3.2	78
47	Recent Trends in Field-Effect Transistors-Based Immunosensors. <i>Chemosensors</i> , 2016, 4, 20.	1.8	78
48	Fabrication of interdigitated micro-supercapacitor devices by direct laser writing onto ultra-thin, flexible and free-standing graphite oxide films. <i>RSC Advances</i> , 2016, 6, 84769-84776.	1.7	77
49	Molecularly-imprinted solid phase extraction of catechol from aqueous effluents for its selective determination by differential pulse voltammetry. <i>Analytica Chimica Acta</i> , 2005, 548, 11-19.	2.6	76
50	Exploiting micellar environment for simultaneous electrochemical determination of ascorbic acid and dopamine. <i>Talanta</i> , 2005, 67, 829-835.	2.9	75
51	Dissolved oxygen sensor based on cobalt tetrasulphonated phthalocyanine immobilized in poly-L-lysine film onto glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 1019-1027.	4.0	74
52	Cyclic voltammetry studies of copper and nickel hexacyanoferrate immobilized on a silica gel surface coated with titanium(IV) oxide. <i>Journal of Electroanalytical Chemistry</i> , 1993, 362, 219-225.	1.9	73
53	Application of self-assembled monolayer-based electrode for voltammetric determination of copper. <i>Electrochimica Acta</i> , 2004, 49, 3795-3800.	2.6	72
54	On-line molecularly imprinted solid phase extraction for the selective spectrophotometric determination of catechol. <i>Microchemical Journal</i> , 2007, 85, 290-296.	2.3	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. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 271-278.	5.0	72
56	Application of two- and three-way chemometric methods in the study of acetylsalicylic acid and ascorbic acid mixtures using ultraviolet spectrophotometry. <i>Analytica Chimica Acta</i> , 2000, 409, 159-170.	2.6	71
57	Electroanalytical determination of acid phosphatase activity by monitoring p-nitrophenol. <i>Analytica Chimica Acta</i> , 2001, 441, 207-214.	2.6	71
58	Selective determination of caffeic acid in wines with electrochemical sensor based on molecularly imprinted siloxanes. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 238-246.	4.0	70
59	Electrochemical detection of dengue virus NS1 protein with a poly(allylamine)/carbon nanotube layered immunoelectrode. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 194-200.	1.6	70
60	Integrated, paper-based potentiometric electronic tongue for the analysis of beer and wine. <i>Analytica Chimica Acta</i> , 2016, 918, 60-68.	2.6	70
61	Emerging Considerations for the Future Development of Electrochemical Paper-Based Analytical Devices. <i>ChemElectroChem</i> , 2019, 6, 10-30.	1.7	70
62	Preliminary electrochemical study of phenothiazines and phenoxazines immobilized on zirconium phosphate. <i>Journal of Electroanalytical Chemistry</i> , 1997, 431, 23-27.	1.9	69
63	Evaluation of enzyme immobilization methods for paper-based devices—A glucose oxidase study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 551-559.	1.4	69
64	Synthesis and characterization of zeolite-encapsulated metalloporphyrins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 168, 261-276.	2.3	68
65	SiO ₂ /Nb ₂ O ₅ sol-gel as a support for HRP immobilization in biosensor preparation for phenol detection. <i>Electrochimica Acta</i> , 2002, 47, 4451-4458.	2.6	68
66	Amperometric biosensor for ethanol based on co-immobilization of alcohol dehydrogenase and Meldola's Blue on multi-wall carbon nanotube. <i>Electrochimica Acta</i> , 2006, 52, 215-220.	2.6	68
67	Development of an enzymeless biosensor for the determination of phenolic compounds. <i>Analytica Chimica Acta</i> , 2002, 455, 215-223.	2.6	65
68	Characterization of self-assembled thiols monolayers on gold surface by electrochemical impedance spectroscopy. <i>Journal of the Brazilian Chemical Society</i> , 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. <i>Sensors and Actuators B: Chemical</i> , 2011, 152, 220-225.	4.0	65
70	Controlled density of defects assisted perforated structure in reduced graphene oxide nanosheets-palladium hybrids for enhanced ethanol electro-oxidation. <i>Carbon</i> , 2017, 117, 137-146.	5.4	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. <i>Microchemical Journal</i> , 2017, 133, 460-467.	2.3	65
72	Novas tendências para o tratamento de resíduos industriais contendo espécies organocloradas. <i>Química Nova</i> , 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. <i>Analytical Chemistry</i> , 2018, 90, 3357-3365.	3.2	64
74	Electrochemical Sensor for Hydrazine Based on Silica Modified with Nickel Tetrasulfonated Phthalocyanine. <i>Electroanalysis</i> , 1998, 10, 111-115.	1.5	63
75	Highly stable amperometric biosensor for ethanol based on Meldola's blue adsorbed on silica gel modified with niobium oxide. <i>Journal of Electroanalytical Chemistry</i> , 2003, 547, 135-142.	1.9	63
76	Polímeros biomiméticos em química analítica. Parte 1: preparo e aplicações de MIP ("Molecularly Imprinted Polymers")	0.3	62
77	Nickel hydroxide electrodes as amperometric detectors for carbohydrates in flow injection analysis and liquid chromatography. <i>Journal of Electroanalytical Chemistry</i> , 2009, 636, 18-23.	1.9	62
78	Anodic oxidation of cysteine catalysed by nickel tetrasulphonated phthalocyanine immobilized on silica gel modified with titanium (IV) oxide. <i>Electrochimica Acta</i> , 1998, 43, 1665-1673.	2.6	61
79	Electrochemical Behavior of Copper Porphyrin Synthesized into Zeolite Cavity: A Sensor for Hydrazine. <i>Electroanalysis</i> , 1998, 10, 462-466.	1.5	60
80	Bi-enzymatic amperometric biosensor for oxalate. <i>Sensors and Actuators B: Chemical</i> , 2001, 72, 80-85.	4.0	60
81	Tris (2,2'-bipyridil) copper (II) chloride complex: a biomimetic tyrosinase catalyst in the amperometric sensor construction. <i>Electrochimica Acta</i> , 2003, 48, 855-865.	2.6	60
82	Electrochemical oxidation of glycine by doped nickel hydroxide modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 245-249.	4.0	60
83	Electrochemical sensor for NADH based on Meldola's blue immobilized on silica gel modified with titanium phosphate. <i>Electrochimica Acta</i> , 1996, 41, 1465-1469.	2.6	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. <i>Journal of Electroanalytical Chemistry</i> , 2008, 612, 87-96.	1.9	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. <i>Biosensors and Bioelectronics</i> , 2013, 46, 22-29.	5.3	58
86	Determination of glutathione in hemolysed erythrocyte with amperometric sensor based on TTF-TCNQ. <i>Clinica Chimica Acta</i> , 2006, 371, 152-158.	0.5	57
87	Mixed enzyme (laccase/tyrosinase)-based remote electrochemical biosensor for monitoring phenolic compounds. <i>Analyst</i> , 2002, 127, 258-261.	1.7	56
88	Potentiometric biosensor for l-ascorbic acid based on ascorbate oxidase of natural source immobilized on ethylene vinylacetate membrane. <i>Analytica Chimica Acta</i> , 1999, 385, 3-12.	2.6	55
89	Effects of different self-assembled monolayers on enzyme immobilization procedures in peroxidase-based biosensor development. <i>Journal of Electroanalytical Chemistry</i> , 2008, 612, 164-172.	1.9	55
90	Novel electrochemical sensor for the selective recognition of chlorogenic acid. <i>Analytica Chimica Acta</i> , 2011, 695, 44-50.	2.6	55

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91	Electrochemical sensor based on imprinted sol-gel and nanomaterial for determination of caffeine. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 739-745.	4.0	54
92	Development of an amperometric biosensor based on glutathione peroxidase immobilized in a carbodiimide matrix for the analysis of reduced glutathione from serum. <i>Clinica Chimica Acta</i> , 2001, 308, 55-67.	0.5	53
93	Nile blue adsorbed onto silica gel modified with niobium oxide for electrocatalytic oxidation of NADH. <i>Electrochimica Acta</i> , 2002, 47, 3351-3360.	2.6	52
94	Amperometric biosensor based on horseradish peroxidase for biogenic amine determinations in biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 785-791.	1.4	52
95	Electrochemical Properties of Iron Phthalocyanine Immobilized on Titanium(IV) Oxide Coated on Silica Gel Surface. <i>Langmuir</i> , 1995, 11, 1009-1013.	1.6	51
96	A brief review on the strategy of developing SPR-based biosensors for application to the diagnosis of neglected tropical diseases. <i>Talanta</i> , 2019, 205, 120122.	2.9	49
97	Electrochemical biosensor-based devices for continuous phenols monitoring in environmental matrices. <i>Journal of the Brazilian Chemical Society</i> , 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. <i>Analytica Chimica Acta</i> , 2003, 485, 263-269.	2.6	47
99	Electrochemical detection of cysteine in a flow system based on reductive desorption of thiols from gold. <i>Analytica Chimica Acta</i> , 2006, 575, 172-179.	2.6	45
100	Immunospot assay based on fluorescent nanoparticles for Dengue fever detection. <i>Biosensors and Bioelectronics</i> , 2013, 41, 180-185.	5.3	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. <i>Electrochimica Acta</i> , 2012, 71, 150-158.	2.6	44
102	Tendências em modificações de eletrodos amperométricos para aplicações eletroanalíticas. <i>Quimica Nova</i> , 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). <i>Electrochimica Acta</i> , 2006, 51, 1304-1312.	2.6	43
104	Triboelectric effect as a new strategy for sealing and controlling the flow in paper-based devices. <i>Lab on a Chip</i> , 2015, 15, 1651-1655.	3.1	43
105	Electrochemical study of methylene blue immobilized in zirconium phosphate. <i>Electroanalysis</i> , 1997, 9, 800-803.	1.5	42
106	Adsorption Parameters of Cd(II), Pb(II), and Hg(II) on Zirconium(IV) Phosphate Chemically Grafted onto Silica Gel Surface. <i>Journal of Colloid and Interface Science</i> , 1998, 200, 121-125.	5.0	42
107	Biossensores amperométricos para determinação de compostos fenólicos em amostras de interesse ambiental. <i>Quimica Nova</i> , 2001, 24, 77-86.	0.3	42
108	Experimental design employed to square wave voltammetry response optimization for the glyphosate determination. <i>Journal of the Brazilian Chemical Society</i> , 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. <i>Analytica Chimica Acta</i> , 2009, 631, 170-176.	2.6	42
110	Dissolved oxygen amperometric sensor based on layer-by-layer assembly using host-guest supramolecular interactions. <i>Analytica Chimica Acta</i> , 2010, 664, 144-150.	2.6	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. <i>Journal of Electroanalytical Chemistry</i> , 2013, 696, 52-58.	1.9	42
112	Adsorption of metal ions from ethanol on an iminosalicyl-modified silica gel. <i>Analyst</i> , 1989, 114, 1385.	1.7	41
113	Acetylsalicylic acid determination in pharmaceutical samples by FIA-potentiometry using a salicylate-sensitive tubular electrode with an ethylene-vinyl acetate membrane. <i>Analytica Chimica Acta</i> , 1998, 366, 103-109.	2.6	41
114	A catalytically active molecularly imprinted polymer that mimics peroxidase based on hemin: application to the determination of p-aminophenol. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1919-1929.	1.9	41
115	Poly-xanthurenic acid as an efficient mediator for the electrocatalytic oxidation of NADH. <i>Electrochemistry Communications</i> , 2010, 12, 450-454.	2.3	41
116	Hydroxyapatite-based electrode: a new sensor for phosphate. <i>Analytical Communications</i> , 1996, 33, 227.	2.2	40
117	A utilização de materiais obtidos pelo processo de sol-gel na construção de biossensores. <i>Química Nova</i> , 2002, 25, 835-841.	0.3	40
118	Development of an amperometric sensor for phenol compounds using a Nafion® membrane doped with copper dipyriddy complex as a biomimetic catalyst. <i>Journal of Electroanalytical Chemistry</i> , 2002, 536, 71-81.	1.9	40
119	Amperometric sensor for nitrite based on copper tetrasulphonated phthalocyanine immobilized with poly-L-lysine film. <i>Talanta</i> , 2008, 75, 333-338.	2.9	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. <i>Journal of Electroanalytical Chemistry</i> , 1996, 418, 147-151.	1.9	39
121	Peroxidase-based biosensor as a tool for a fast evaluation of antioxidant capacity of tea. <i>Food Chemistry</i> , 2005, 92, 515-519.	4.2	39
122	Solid-phase spectrofluorimetric determination of acetylsalicylic acid and caffeine in pharmaceutical preparations using partial least-squares multivariate calibration. <i>Talanta</i> , 2005, 67, 65-69.	2.9	39
123	Cyclic voltammetric study of [Fe(CN) ₆] ^{3-/4-} immobilized on silica gel surface coated with titanium(IV) oxide. <i>Electrochimica Acta</i> , 1992, 37, 2477-2480.	2.6	38
124	Electrochemical Comparative Study of Riboflavin, FMN and FAD Immobilized on the Silica Gel Modified with Zirconium Oxide. <i>Journal of the Brazilian Chemical Society</i> , 2002, 13, 635-641.	0.6	38
125	Electrochemical sensing based on DNA nanotechnology. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 597-605.	5.8	38
126	Preparation and characterization of Ti (IV) oxide grafted onto silica on a silica gel surface. <i>Colloids and Surfaces</i> , 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. <i>Analyst</i> , 2003, 128, 255-259.	1.7	37
128	Cobalt(II) porphyrin complex immobilized on the binary oxide SiO ₂ /Sb ₂ O ₃ : electrochemical properties and dissolved oxygen reduction study. <i>Electrochimica Acta</i> , 2004, 49, 829-834.	2.6	37
129	LACCASE-BASED SCREEN PRINTED ELECTRODE FOR AMPEROMETRIC DETECTION OF PHENOLIC COMPOUNDS. <i>Analytical Letters</i> , 2002, 35, 29-38.	1.0	36
130	Determination of Phenolic Compounds Based on Co-Immobilization of Methylene Blue and HRP on Multi-Wall Carbon Nanotubes. <i>Electroanalysis</i> , 2007, 19, 549-554.	1.5	36
131	Electrochemical Detection of Nitrite in Meat and Water Samples Using a Mesoporous Carbon Ceramic SiO ₂ /C Electrode Modified with In Situ Generated Manganese(II) Phthalocyanine. <i>Electroanalysis</i> , 2014, 26, 541-547.	1.5	36
132	SPR analysis of the interaction between a recombinant protein of unknown function in <i>Leishmania infantum</i> immobilised on dendrimers and antibodies of the visceral leishmaniasis: A potential use in immunodiagnosis. <i>Biosensors and Bioelectronics</i> , 2015, 70, 275-281.	5.3	36
133	Ferrocenecarboxylic acid adsorbed on Nb ₂ O ₅ film grafted on a SiO ₂ surface: NADH oxidation study. <i>Electrochimica Acta</i> , 2001, 46, 2499-2505.	2.6	35
134	Determination of reduced glutathione using an amperometric carbon paste electrode chemically modified with TTF-TCNQ. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 333-340.	4.0	35
135	Development of a sensor based on tetracyanoethylene (LiTCNE)/poly-L-lysine (PLL) for dopamine determination. <i>Electrochimica Acta</i> , 2005, 50, 2675-2683.	2.6	35
136	Amperometric determination of chloroguaiacol at submicromolar levels after on-line preconcentration with molecularly imprinted polymers. <i>Talanta</i> , 2006, 69, 259-266.	2.9	35
137	SiO ₂ /C/Cu(II)phthalocyanine as a biomimetic catalyst for dopamine monooxygenase in the development of an amperometric sensor. <i>Electrochimica Acta</i> , 2011, 56, 10116-10121.	2.6	35
138	Development of a disposable and highly sensitive paper-based immunosensor for early diagnosis of Asian soybean rust. <i>Biosensors and Bioelectronics</i> , 2013, 45, 123-128.	5.3	35
139	Multifunctional catalytic platform for peroxidase mimicking, enzyme immobilization and biosensing. <i>Biosensors and Bioelectronics</i> , 2016, 77, 746-751.	5.3	35
140	Development of a new FIA-potentiometric sensor for dopamine based on EVA-copper(II) ions. <i>Journal of Electroanalytical Chemistry</i> , 2000, 481, 34-41.	1.9	34
141	Electrochemical behavior of riboflavin immobilized on different matrices. <i>Journal of Colloid and Interface Science</i> , 2003, 265, 351-358.	5.0	34
142	Influence of EDTA on the electrochemical behavior of phenols. <i>Journal of Electroanalytical Chemistry</i> , 2003, 548, 19-26.	1.9	34
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