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List of Publications by Year
in descending order

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393	15,638	18436	38300
papers	citations	62 h-index	95 g-index

408	408	408	14090
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gold nanoparticle-based electrochemical biosensors. Electrochimica Acta, 2008, 53, 5848-5866.	2.6	860
2	Role of carbon nanotubes in electroanalytical chemistry. Analytica Chimica Acta, 2008, 622, 11-47.	2.6	477
3	Electrochemical sensing based on carbon nanotubes. TrAC - Trends in Analytical Chemistry, 2010, 29, 939-953.	5.8	264
4	Carbon Dots and Graphene Quantum Dots in Electrochemical Biosensing. Nanomaterials, 2019, 9, 634.	1.9	210
5	Preparation of coreâ€“shell Fe₃O₄@poly(dopamine) magnetic nanoparticles for biosensor construction. Journal of Materials Chemistry B, 2014, 2, 739-746.	2.9	197
6	Gold nanoparticle-based electrochemical biosensors. Analytical and Bioanalytical Chemistry, 2005, 382, 884-886.	1.9	183
7	A comparison of different strategies for the construction of amperometric enzyme biosensors using gold nanoparticle-modified electrodes. Analytical Biochemistry, 2005, 336, 20-27.	1.1	174
8	Electrochemical sensors based on magnetic molecularly imprinted polymers: A review. Analytica Chimica Acta, 2017, 960, 1-17.	2.6	173
9	Characterization of alkanethiol-self-assembled monolayers-modified gold electrodes by electrochemical impedance spectroscopy. Journal of Electroanalytical Chemistry, 2006, 586, 112-121.	1.9	166
10	Electrochemical activation of screen-printed carbon strips. Analyst, The, 1996, 121, 345.	1.7	160
11	Amperometric flow-injection determination of phenolic compounds at self-assembled monolayer-based tyrosinase biosensors. Analytica Chimica Acta, 2003, 494, 187-197.	2.6	136
12	An electrochemical immunosensor for testosterone using functionalized magnetic beads and screen-printed carbon electrodes. Biosensors and Bioelectronics, 2010, 26, 517-522.	5.3	127
13	Electrochemical immunosensor for simultaneous determination of interleukin-1 beta and tumor necrosis factor alpha in serum and saliva using dual screen printed electrodes modified with functionalized doubleâ€“walled carbon nanotubes. Analytica Chimica Acta, 2017, 959, 66-73.	2.6	118
14	Development of a high analytical performance-tyrosinase biosensor based on a composite graphiteâ€“Teflon electrode modified with gold nanoparticles. Biosensors and Bioelectronics, 2006, 22, 730-736.	5.3	117
15	Preparation, characterization and application of alkanethiol self-assembled monolayers modified with tetrathiafulvalene and glucose oxidase at a gold disk electrode. Journal of Electroanalytical Chemistry, 2002, 526, 92-100.	1.9	113
16	Magnetobiosensors Based on Viral Protein p19 for MicroRNA Determination in Cancer Cells and Tissues. Angewandte Chemie - International Edition, 2014, 53, 6168-6171.	7.2	113
17	Amperometric biosensor for hypoxanthine based on immobilized xanthine oxidase on nanocrystal goldâ€“carbon paste electrodes. Sensors and Actuators B: Chemical, 2006, 113, 272-280.	4.0	112
18	Disposable amperometric magneto-immunosensor for direct detection of tetracyclines antibiotics residues in milk. Analytica Chimica Acta, 2012, 737, 29-36.	2.6	112

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19	Lectin-modified piezoelectric biosensors for bacteria recognition and quantification. Analytical and Bioanalytical Chemistry, 2008, 391, 1853-1860.	1.9	109
20	Reactivities of organic phase biosensors. 2. The amperometric behaviour of horseradish peroxidase immobilised on a platinum electrode modified with an electrosynthetic polyaniline film. Biosensors and Bioelectronics, 1997, 12, 749-761.	5.3	107
21	A novel non-invasive electrochemical biosensing device for in situ determination of the alcohol content in blood by monitoring ethanol in sweat. Analytica Chimica Acta, 2014, 806, 1-7.	2.6	107
22	Mimicking Peroxidase Activities with Prussian Blue Nanoparticles and Their Cyanometalate Structural Analogues. Nano Letters, 2017, 17, 4958-4963.	4.5	106
23	Nano/microvehicles for efficient delivery and (bio)sensing at the cellular level. Chemical Science, 2017, 8, 6750-6763.	3.7	104
24	Electrochemical detection of phenolic estrogenic compounds at carbon nanotube-modified electrodes. Talanta, 2007, 71, 1031-1038.	2.9	100
25	Integrated disposable electrochemical immunosensors for the simultaneous determination of sulfonamide and tetracycline antibiotics residues in milk. Biosensors and Bioelectronics, 2013, 50, 100-105.	5.3	100
26	Toward the Design of Smart Delivery Systems Controlled by Integrated Enzyme-Based Biocomputing Ensembles. Journal of the American Chemical Society, 2014, 136, 9116-9123.	6.6	100
27	Glucose-triggered release using enzyme-gated mesoporous silica nanoparticles. Chemical Communications, 2013, 49, 6391.	2.2	95
28	Antifouling (Bio)materials for Electrochemical (Bio)sensing. International Journal of Molecular Sciences, 2019, 20, 423.	1.8	93
29	Chiral Analysis of Amino Acids Using Electrochemical Composite Bienzyme Biosensors. Analytical Biochemistry, 2001, 298, 275-282.	1.1	90
30	Voltammetry and amperometric detection of tetracyclines at multi-wall carbon nanotube modified electrodes. Analytical and Bioanalytical Chemistry, 2007, 389, 951-958.	1.9	90
31	Graphite-Teflon composite bienzyme electrodes for the determination of l-lactate: Application to food samples. Biosensors and Bioelectronics, 1999, 14, 505-513.	5.3	88
32	Electrochemical bioplatforms for the simultaneous determination of interleukin (IL)-8 mRNA and IL-8 protein oral cancer biomarkers in raw saliva. Biosensors and Bioelectronics, 2016, 77, 543-548.	5.3	88
33	Gold screen-printed-based impedimetric immunobiosensors for direct and sensitive Escherichia coli quantisation. Biosensors and Bioelectronics, 2009, 24, 3365-3371.	5.3	87
34	Non-enzymatic hydrogen peroxide sensor based on graphene quantum dots-chitosan/methylene blue hybrid nanostructures. Electrochimica Acta, 2017, 246, 303-314.	2.6	85
35	Electrochemical Estimation of the Polyphenol Index in Wines Using a Laccase Biosensor. Journal of Agricultural and Food Chemistry, 2006, 54, 7960-7967.	2.4	83
36	An electrochemical immunosensor using gold nanoparticles-PAMAM-nanostructured screen-printed carbon electrodes for tau protein determination in plasma and brain tissues from Alzheimer patients. Biosensors and Bioelectronics, 2020, 163, 112238.	5.3	83

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37	Disposable and integrated amperometric immunosensor for direct determination of sulfonamide antibiotics in milk. Biosensors and Bioelectronics, 2012, 36, 81-88.	5.3	80
38	Determinants of the Detection Limit and Specificity of Surface-Based Biosensors. Analytical Chemistry, 2013, 85, 6593-6597.	3.2	77
39	Dual Functional Graphene Derivative-Based Electrochemical Platforms for Detection of the TP53 Gene with Single Nucleotide Polymorphism Selectivity in Biological Samples. Analytical Chemistry, 2015, 87, 2290-2298.	3.2	76
40	Composite electrochemical biosensors: a comparison of three different electrode matrices for the construction of amperometric tyrosinase biosensors. Biosensors and Bioelectronics, 2002, 17, 217-226.	5.3	75
41	Colloidal-gold cysteamine-modified carbon paste electrodes as suitable electrode materials for the electrochemical determination of sulphur-containing compoundsApplication to the determination of methionine. Talanta, 2004, 64, 1041-1047.	2.9	74
42	Substance Release Triggered by Biomolecular Signals in Bioelectronic Systems. Journal of Physical Chemistry Letters, 2015, 6, 1340-1347.	2.1	74
43	Reduced graphene oxide-carboxymethylcellulose layered with platinum nanoparticles/PAMAM dendrimer/magnetic nanoparticles hybrids. Application to the preparation of enzyme electrochemical biosensors. Sensors and Actuators B: Chemical, 2016, 232, 84-90.	4.0	74
44	Surface plasmon resonance immunosensor for ErbB2 breast cancer biomarker determination in human serum and raw cancer cell lysates. Analytica Chimica Acta, 2016, 905, 156-162.	2.6	73
45	Graphiteâ"Teflon Composite Bienzyme Electrodes for the Determination of Cholesterol in Reversed Micelles. Application to Food Samples. Analytical Chemistry, 2001, 73, 1190-1195.	3.2	72
46	Electrochemical determination of homocysteine at a gold nanoparticle-modified electrode. Talanta, 2007, 74, 412-420.	2.9	72
47	Unravelling the gallic acid degradation pathway in bacteria: the gal cluster from Pseudomonas putida. Molecular Microbiology, 2011, 79, 359-374.	1.2	72
48	Decoration of reduced graphene oxide with rhodium nanoparticles for the design of a sensitive electrochemical enzyme biosensor for 17Î²-estradiol. Biosensors and Bioelectronics, 2017, 89, 343-351.	5.3	72
49	In-a-Day Electrochemical Detection of Coliforms in Drinking Water Using a Tyrosinase Composite Biosensor. Analytical Chemistry, 2005, 77, 8115-8121.	3.2	70
50	Alcohol dehydrogenase amperometric biosensor based on a colloidal goldâ€"carbon nanotubes composite electrode. Electrochimica Acta, 2008, 53, 4007-4012.	2.6	69
51	Biosensors in forensic analysis. A review. Analytica Chimica Acta, 2014, 823, 1-19.	2.6	69
52	Microorganisms recognition and quantification by lectin adsorptive affinity impedance. Talanta, 2009, 78, 1303-1309.	2.9	68
53	An Integrated Amperometric Biosensor for the Determination of Lactose in Milk and Dairy Products. Journal of Agricultural and Food Chemistry, 2010, 58, 7141-7148.	2.4	68
54	Ultrasensitive amperometric magnetoimmunosensor for human C-reactive protein quantification in serum. Sensors and Actuators B: Chemical, 2013, 188, 212-220.	4.0	68

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55	New challenges in point of care electrochemical detection of clinical biomarkers. Sensors and Actuators B: Chemical, 2021, 345, 130349.	4.0	67
56	Graphiteâ€“Teflon composite bienzyme amperometric biosensors for monitoring of alcohols. Biosensors and Bioelectronics, 2003, 18, 1279-1288.	5.3	66
57	A peroxidase-tetrathiafulvalene biosensor based on self-assembled monolayer modified Au electrodes for the flow-injection determination of hydrogen peroxide. Talanta, 2005, 66, 1310-1319.	2.9	66
58	Sensitive and rapid amperometric magnetoimmunosensor for the determination of Staphylococcus aureus. Analytical and Bioanalytical Chemistry, 2012, 403, 917-925.	1.9	66
59	Rapid and highly sensitive electrochemical determination of alkaline phosphatase using a composite tyrosinase biosensor. Analytical Biochemistry, 2005, 336, 289-294.	1.1	65
60	Ultrasensitive detection of adrenocorticotropin hormone (ACTH) using disposable phenylboronic-modified electrochemical immunosensors. Biosensors and Bioelectronics, 2012, 35, 82-86.	5.3	65
61	Electrochemical genosensors for the detection of cancer-related miRNAs. Analytical and Bioanalytical Chemistry, 2014, 406, 27-33.	1.9	65
62	Electrochemical magnetoimmunosensor for the ultrasensitive determination of interleukin-6 in saliva and urine using poly-HRP streptavidin conjugates as labels for signal amplification. Analytical and Bioanalytical Chemistry, 2014, 406, 6363-6371.	1.9	64
63	Electrochemical immunosensor for rapid and sensitive determination of estradiol. Analytica Chimica Acta, 2012, 743, 117-124.	2.6	63
64	Disposable Magnetic DNA Sensors for the Determination at the Attomolar Level of a Specific Enterobacteriaceae Family Gene. Analytical Chemistry, 2008, 80, 8239-8245.	3.2	62
65	Sensitive electrochemical determination of miRNAs based on a sandwich assay onto magnetic microcarriers and hybridization chain reaction amplification. Biosensors and Bioelectronics, 2016, 86, 516-521.	5.3	62
66	Electrochemical bioaffinity sensors for salivary biomarkers detection. TrAC - Trends in Analytical Chemistry, 2017, 86, 14-24.	5.8	62
67	Electrochemical affinity biosensors for fast detection of gene-specific methylations with no need for bisulfite and amplification treatments. Scientific Reports, 2018, 8, 6418.	1.6	62
68	Screen-Printed Electrodes: Promising Paper and Wearable Transducers for (Bio)Sensing. Biosensors, 2020, 10, 76.	2.3	62
69	Rapid Legionella pneumophila determination based on a disposable coreâ€“shell Fe 3 O 4 @poly(dopamine) magnetic nanoparticles immunoplatform. Analytica Chimica Acta, 2015, 887, 51-58.	2.6	61
70	Ultrasensitive determination of receptor tyrosine kinase with a label-free electrochemical immunosensor using graphene quantum dots-modified screen-printed electrodes. Analytica Chimica Acta, 2018, 1011, 28-34.	2.6	61
71	Rapid Electrochemical Assessment of Tumor Suppressor Gene Methylations in Raw Human Serum and Tumor Cells and Tissues Using Immunomagnetic Beads and Selective DNA Hybridization. Angewandte Chemie - International Edition, 2018, 57, 8194-8198.	7.2	61
72	Hybrid Decorated Core@Shell Janus Nanoparticles as a Flexible Platform for Targeted Multimodal Molecular Bioimaging of Cancer. ACS Applied Materials & Interfaces, 2018, 10, 31032-31043.	4.0	61

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73	Electroanalytical Sensors and Devices for Multiplexed Detection of Foodborne Pathogen Microorganisms. Sensors, 2009, 9, 5503-5520.	2.1	60
74	Designing Electrochemical Interfaces with Functionalized Magnetic Nanoparticles and Wrapped Carbon Nanotubes as Platforms for the Construction of High-Performance Bienzyme Biosensors. Analytical Chemistry, 2011, 83, 7807-7814.	3.2	60
75	Wiring horseradish peroxidase on gold nanoparticles-based nanostructured polymeric network for the construction of mediatorless hydrogen peroxide biosensor. Electrochimica Acta, 2011, 56, 4672-4677.	2.6	59
76	Enzymeâ€€Controlled Sensingâ€“Actuating Nanomachine Based on Janus Auâ€“Mesoporous Silica Nanoparticles. Chemistry - A European Journal, 2013, 19, 7889-7894.	1.7	59
77	Delayed Sensor Activation Based on Transient Coatings: Biofouling Protection in Complex Biofluids. Journal of the American Chemical Society, 2018, 140, 14050-14053.	6.6	59
78	Novel .pi.-extended thiophene-fused electron acceptors for organic metals. Journal of Organic Chemistry, 1992, 57, 6192-6198.	1.7	58
79	Supramolecular Immobilization of Xanthine Oxidase on Electropolymerized Matrix of Functionalized Hybrid Gold Nanoparticles/Single-Walled Carbon Nanotubes for the Preparation of Electrochemical Biosensors. ACS Applied Materials & Interfaces, 2012, 4, 4312-4319.	4.0	58
80	Electrochemical Biosensors for the Determination of Cardiovascular Markers: a Review. Electroanalysis, 2014, 26, 1132-1153.	1.5	58
81	Femtomolar direct voltammetric determination of circulating miRNAs in sera of cancer patients using an enzymeless biosensor. Analytica Chimica Acta, 2020, 1104, 188-198.	2.6	58
82	Electrochemical magnetoimmunosensing platform for determination of the milk allergen Î²-lactoglobulin. Talanta, 2015, 131, 156-162.	2.9	57
83	An electrochemical immunosensor for brain natriuretic peptide prepared with screen-printed carbon electrodes nanostructured with gold nanoparticles grafted through aryl diazonium salt chemistry. Talanta, 2018, 179, 131-138.	2.9	57
84	Sol-gel-derived cobalt phthalocyanine-dispersed carbon composite electrodes for electrocatalysis and amperometric flow detection. Electroanalysis, 1997, 9, 908-911.	1.5	56
85	Versatile Electroanalytical Bioplatforms for Simultaneous Determination of Cancer-Related DNA 5-Methyl- and 5-Hydroxymethyl-Cytosines at Global and Gene-Specific Levels in Human Serum and Tissues. ACS Sensors, 2019, 4, 227-234.	4.0	56
86	Terminology of electrochemical methods of analysis (IUPAC Recommendations 2019). Pure and Applied Chemistry, 2020, 92, 641-694.	0.9	55
87	Bienzyme amperometric biosensor using gold nanoparticle-modified electrodes for the determination of inulin in foods. Analytical Biochemistry, 2008, 375, 345-353.	1.1	54
88	Reduced graphene oxide-Sb2O5 hybrid nanomaterial for the design of a laccase-based amperometric biosensor for estriol. Electrochimica Acta, 2015, 174, 332-339.	2.6	54
89	Graphite-Teflon-Peroxidase Composite Electrochemical Biosensors. A Tool for the Wide Detection of Phenolic Compounds. Electroanalysis, 2001, 13, 693-700.	1.5	53
90	Rapid voltammetric determination of nitroaromatic explosives at electrochemically activated carbon-fibre electrodes. Analytical and Bioanalytical Chemistry, 2005, 382, 381-387.	1.9	53

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91	Carbon Nanohorns as a Scaffold for the Construction of Disposable Electrochemical Immunosensing Platforms. Application to the Determination of Fibrinogen in Human Plasma and Urine. Analytical Chemistry, 2014, 86, 7749-7756.	3.2	53
92	Competitive RNA-RNA hybridization-based integrated nanostructured-disposable electrode for highly sensitive determination of miRNAs in cancer cells. Biosensors and Bioelectronics, 2017, 91, 40-45.	5.3	53
93	Integrated Affinity Biosensing Platforms on Screen-Printed Electrodes Electrografted with Diazonium Salts. Sensors, 2018, 18, 675.	2.1	53
94	Amperometric Biosensing of miRNA-21 in Serum and Cancer Cells at Nanostructured Platforms Using Anti-DNAâ€“RNA Hybrid Antibodies. ACS Omega, 2018, 3, 8923-8931.	1.6	53
95	Design of a composite amperometric enzyme electrode for the control of the benzoic acid content in food. Talanta, 2002, 57, 1189-1198.	2.9	52
96	Amperometric magnetoimmunosensor for ErbB2 breast cancer biomarker determination in human serum, cell lysates and intact breast cancer cells. Biosensors and Bioelectronics, 2015, 70, 34-41.	5.3	52
97	Determination of Phenolic Antioxidants by HPLC with Amperometric Detection at a Nickel Phthalocyanine Polymer Modified Electrode. Electroanalysis, 1999, 11, 470-474.	1.5	51
98	Analytical Applications of Cylindrical Carbon Fiber Microelectrodes. Simultaneous Voltammetric Determination of Phenolic Antioxidants in Food. Analytical Chemistry, 1995, 67, 2195-2200.	3.2	50
99	Amperometric Magnetoimmunosensors for Direct Determination of Dâ€Ðimer in Human Serum. Electroanalysis, 2012, 24, 2235-2243.	1.5	50
100	Amperometric magnetoimmunoassay for the direct detection of tumor necrosis factor alpha biomarker in human serum. Analytica Chimica Acta, 2014, 838, 37-44.	2.6	50
101	Electrochemical magnetic beads-based immunosensing platform for the determination of Î±-lactalbumin in milk. Food Chemistry, 2016, 213, 595-601.	4.2	50
102	Multiplexed Electrochemical Immunosensors for Clinical Biomarkers. Sensors, 2017, 17, 965.	2.1	50
103	HPLC-Electrochemical detection with graphite-poly (tetrafluoroethylene) electrode Determination of the fungicides thiram and disulfiram. Talanta, 1996, 43, 1341-1348.	2.9	49
104	Nanostructured progesterone immunosensor using a tyrosinaseâ€“colloidal goldâ€“graphiteâ€“Teflon biosensor as amperometric transducer. Analytica Chimica Acta, 2007, 596, 86-91.	2.6	49
105	Rapid micromotor-based naked-eye immunoassay. Talanta, 2017, 167, 651-657.	2.9	49
106	Rapid Electrochemical Assessment of Tumor Suppressor Gene Methylations in Raw Human Serum and Tumor Cells and Tissues Using Immunomagnetic Beads and Selective DNA Hybridization. Angewandte Chemie, 2018, 130, 8326-8330.	1.6	49
107	Immunosensor for the determination of Staphylococcus aureus using a tyrosinaseâ€“mercaptopropionic acid modified electrode as an amperometric transducer. Analytical and Bioanalytical Chemistry, 2008, 391, 837-845.	1.9	48
108	Pushing the limits of electrochemistry toward challenging applications in clinical diagnosis, prognosis, and therapeutic action. Chemical Communications, 2019, 55, 2563-2592.	2.2	48

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109	Disposable immunosensor for cortisol using functionalized magnetic particles. Analyst, The, 2010, 135, 1926.	1.7	47
110	Grafted-double walled carbon nanotubes as electrochemical platforms for immobilization of antibodies using a metallic-complex chelating polymer: Application to the determination of adiponectin cytokine in serum. Biosensors and Bioelectronics, 2015, 74, 24-29.	5.3	47
111	Fast Electrochemical miRNAs Determination in Cancer Cells and Tumor Tissues with Antibody-Functionalized Magnetic Microcarriers. ACS Sensors, 2016, 1, 896-903.	4.0	47
112	Disposable Amperometric Polymerase Chain Reaction-Free Biosensor for Direct Detection of Adulteration with Horsemeat in Raw Lysates Targeting Mitochondrial DNA. Analytical Chemistry, 2017, 89, 9474-9482.	3.2	47
113	Molecularly imprinted polymers for on-line clean up and preconcentration of chloramphenicol prior to its voltammetric determination. Analytical and Bioanalytical Chemistry, 2003, 376, 18-25.	1.9	46
114	Integrated multienzyme electrochemical biosensors for monitoring malolactic fermentation in wines. Talanta, 2010, 81, 925-933.	2.9	46
115	Quantum Dots as Components of Electrochemical Sensing Platforms for the Detection of Environmental and Food Pollutants: a Review. Journal of AOAC INTERNATIONAL, 2017, 100, 950-961.	0.7	46
116	DNA sensor based on an Escherichia coli lac Z gene probe immobilization at self-assembled monolayers-modified gold electrodes. Talanta, 2007, 73, 838-844.	2.9	45
117	Grapheneâ€“polyamidoamine dendrimerâ€“Pt nanoparticles hybrid nanomaterial for the preparation of mediatorless enzyme biosensor. Journal of Electroanalytical Chemistry, 2014, 717-718, 96-102.	1.9	45
118	Simultaneous detection of two breast cancer-related miRNAs in tumor tissues using p19-based disposable amperometric magnetobiosensing platforms. Biosensors and Bioelectronics, 2015, 66, 385-391.	5.3	45
119	Hybrid 2D-nanomaterials-based electrochemical immunosensing strategies for clinical biomarkers determination. Biosensors and Bioelectronics, 2017, 89, 269-279.	5.3	45
120	Decorating carbon nanotubes with polyethylene glycol-coated magnetic nanoparticles for implementing highly sensitive enzyme biosensors. Journal of Materials Chemistry, 2011, 21, 12858.	6.7	44
121	Electrochemical immunosensor for the determination of insulin-like growth factor-1 using electrodes modified with carbon nanotubesâ€“poly(pyrrole propionic acid) hybrids. Biosensors and Bioelectronics, 2014, 52, 98-104.	5.3	44
122	Adaptive Orientation of Multifunctional Nanowires for Magnetic Control of Bioelectrocatalytic Processes. Angewandte Chemie - International Edition, 2007, 46, 1508-1511.	7.2	43
123	A disposable electrochemical immunosensor for prolactin involving affinity reaction on streptavidin-functionalized magnetic particles. Analytica Chimica Acta, 2011, 692, 125-130.	2.6	42
124	Disposable amperometric magnetoimmunosensors using nanobodies as biorecognition element. Determination of fibrinogen in plasma. Biosensors and Bioelectronics, 2014, 52, 255-260.	5.3	42
125	Sol-gel carbon composite electrode as an amperometric detector for liquid chromatography. Talanta, 1997, 44, 1929-1934.	2.9	41
126	Characterisation of horseradish peroxidase immobilisation on an electrochemical biosensor by colorimetric and amperometric techniques. Biosensors and Bioelectronics, 2003, 18, 715-720.	5.3	41

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127	Determination of Î²-carboline alkaloids in foods and beverages by high-performance liquid chromatography with electrochemical detection at a glassy carbon electrode modified with carbon nanotubes. Analytica Chimica Acta, 2007, 585, 323-330.	2.6	41
128	Magnetic Beadsâ€Based Electrochemical Sensors Applied to the Detection and Quantification of Bioterrorism/Biohazard Agents. Electroanalysis, 2012, 24, 470-482.	1.5	41
129	Comparison of Different Strategies for the Development of Highly Sensitive Electrochemical Nucleic Acid Biosensors Using Neither Nanomaterials nor Nucleic Acid Amplification. ACS Sensors, 2018, 3, 211-221.	4.0	41
130	Disposable amperometric magnetoimmunosensors for the specific detection of Streptococcus pneumoniae. Biosensors and Bioelectronics, 2010, 26, 1225-1230.	5.3	40
131	Rapid screening of multiple antibiotic residues in milk using disposable amperometric magnetosensors. Analytica Chimica Acta, 2014, 820, 32-38.	2.6	40
132	Non-Invasive Breast Cancer Diagnosis through Electrochemical Biosensing at Different Molecular Levels. Sensors, 2017, 17, 1993.	2.1	40
133	Graphite-teflon-peroxidase composite electrodes. Application to the direct determination of glucose in musts and wines. Electroanalysis, 1997, 9, 1113-1119.	1.5	39
134	Toward Liquid Biopsy: Determination of the Humoral Immune Response in Cancer Patients Using HaloTag Fusion Protein-Modified Electrochemical Bioplatforms. Analytical Chemistry, 2016, 88, 12339-12345.	3.2	39
135	Janus Au-mesoporous silica nanoparticles as electrochemical biorecognition-signaling system. Electrochemistry Communications, 2013, 30, 51-54.	2.3	38
136	Electrochemical immunosensor for sensitive determination of transforming growth factor (TGF) - Î²1 in urine. Biosensors and Bioelectronics, 2017, 88, 9-14.	5.3	38
137	Electrochemical Affinity Biosensors in Food Safety. Chemosensors, 2017, 5, 8.	1.8	38
138	Simultaneous amperometric immunosensing of the metastasis-related biomarkers IL-13RÎ±2 and CDH-17 by using grafted screen-printed electrodes and a composite prepared from quantum dots and carbon nanotubes for signal amplification. Mikrochimica Acta, 2019, 186, 411.	2.5	38
139	Determination of progesterone in saliva using an electrochemical immunosensor and a COTS-based portable potentiostat. Analytica Chimica Acta, 2019, 1049, 65-73.	2.6	38
140	Disposable electrochemical biosensors for Brettanomyces bruxellensis and total yeast content in wine based on core-shell magnetic nanoparticles. Sensors and Actuators B: Chemical, 2019, 279, 15-21.	4.0	38
141	Crumpled reduced graphene oxideâ€“polyamidoamine dendrimer hybrid nanoparticles for the preparation of an electrochemical biosensor. Journal of Materials Chemistry B, 2013, 1, 2289.	2.9	37
142	Activation of a Biocatalytic Electrode by Removing Glucose Oxidase from the Surfaceâ€”Application to Signal Triggered Drug Release. ACS Applied Materials & Interfaces, 2014, 6, 13349-13354.	4.0	37
143	Multiplexed Determination of Aminoâ€Terminal Proâ€Bâ€Type Natriuretic Peptide and Câ€Reactive Protein Cardiac Biomarkers in Human Serum at a Disposable Electrochemical Magnetoimmunosensor. Electroanalysis, 2014, 26, 254-261.	1.5	37
144	Decorating graphene oxide/nanogold with dextran-based polymer brushes for the construction of ultrasensitive electrochemical enzyme biosensors. Journal of Materials Chemistry B, 2015, 3, 3518-3524.	2.9	37

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145	Electrochemical Genosensing of Circulating Biomarkers. Sensors, 2017, 17, 866.	2.1	37
146	Direct electrochemical biosensing in gastrointestinal fluids. Analytical and Bioanalytical Chemistry, 2019, 411, 4597-4604.	1.9	37
147	Development of a bienzymic graphiteâ€“Teflon composite electrode for the determination of hypoxanthine in fish. Analyst, The, 1998, 123, 371-377.	1.7	36
148	An integrated electrochemical fructose biosensor based on tetrathiafulvalene-modified self-assembled monolayers on gold electrodes. Analytical and Bioanalytical Chemistry, 2003, 377, 600-607.	1.9	36
149	An integrated bienzyme glucose oxidaseâ€“fructose dehydrogenaseâ€“tetrathiafulvalene-3-mercaptopropionic acidâ€“gold electrode for the simultaneous determination of glucose and fructose. Bioelectrochemistry, 2004, 63, 199-206.	2.4	36
150	Integrated multienzyme electrochemical biosensors for the determination of glycerol in wines. Analytica Chimica Acta, 2008, 609, 201-209.	2.6	36
151	Electrochemical immunosensor designs for the determination of Staphylococcus aureus using 3,3-dithiodipropionic acid di(N-succinimidyl ester)-modified gold electrodes. Talanta, 2008, 77, 876-881.	2.9	36
152	Molecular Biosensors for Electrochemical Detection of Infectious Pathogens in Liquid Biopsies: Current Trends and Challenges. Sensors, 2017, 17, 2533.	2.1	36
153	Amperometric multidetection with composite enzyme electrodes. Talanta, 2004, 62, 896-903.	2.9	35
154	Sensitive and selective magnetoimmunosensing platform for determination of the food allergen Ara h 1. Analytica Chimica Acta, 2015, 880, 52-59.	2.6	35
155	Carbon nanotubes functionalized by click chemistry as scaffolds for the preparation of electrochemical immunosensors. Application to the determination of TGF-beta 1 cytokine. Analyst, The, 2016, 141, 5730-5737.	1.7	35
156	Amperometric Bioplatforms To Detect Regional DNA Methylation with Single-Base Sensitivity. Analytical Chemistry, 2020, 92, 5604-5612.	3.2	35
157	An Electrochemical Immunosensor for Testosterone Using Gold Nanoparticles â€“ Carbon Nanotubes Composite Electrodes. Electroanalysis, 2011, 23, 169-176.	1.5	34
158	Disposable amperometric magnetoimmunosensor for the sensitive detection of the cardiac biomarker amino-terminal pro-B-type natriuretic peptide in human serum. Analytica Chimica Acta, 2013, 784, 18-24.	2.6	34
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