JosÃ© M PingarrÃ³n

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	Anticipating metastasis through electrochemical immunosensing of tumor hypoxia biomarkers. Analytical and Bioanalytical Chemistry, 2022, 414, 399-412.	1.9	11
2	Electrochemical immunosensing of Growth arrestâ€specific 6 in human plasma and tumor cell secretomes. Electrochemical Science Advances, 2022, 2, e2100096.	1.2	4
3	Contemporary electrochemical sensing and affinity biosensing to assist traces metal ions determination in clinical samples. Electrochemical Science Advances, 2022, 2, e2100144.	1.2	1
4	Unraveling autoimmune and neurodegenerative diseases by amperometric serological detection of antibodies against aquaporin-4. Bioelectrochemistry, 2022, 144, 108041.	2.4	6
5	Rapid diagnosis of egg allergy by targeting ovalbumin specific IgE and IgG4 in serum on a disposable electrochemical immunoplatform. Sensors & Diagnostics, 2022, 1, 149-159.	1.9	4
6	Ultrasensitive detection of soy traces by immunosensing of glycinin and Î²-conglycinin at disposable electrochemical platforms. Talanta, 2022, 241, 123226.	2.9	8
7	Binary MoS2 nanostructures as nanocarriers for amplification in multiplexed electrochemical immunosensing: simultaneous determination of B cell activation factor and proliferation-induced signal immunity-related cytokines. Mikrochimica Acta, 2022, 189, 143.	2.5	8
8	Monitoring autoimmune diseases by bioelectrochemical detection of autoantibodies. Application to the determination of anti-myelin basic protein autoantibodies in serum of multiple sclerosis patients. Talanta, 2022, 243, 123304.	2.9	6
9	Empowering Electrochemical Biosensing through Nanostructured or Multifunctional Nucleic Acid or Peptide Biomaterials. Advanced Materials Technologies, 2022, 7, .	3.0	10
10	Towards Control and Oversight of SARSâ€CoVâ€2 Diagnosis and Monitoring through Multiplexed Quantitative Electroanalytical Immune Response Biosensors. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
11	Assisting dementia diagnosis through the electrochemical immunosensing of glial fibrillary acidic protein. Talanta, 2022, 246, 123526.	2.9	4
12	Dextran-coated nanoparticles as immunosensing platforms: Consideration of polyaldehyde density, nanoparticle size and functionality. Talanta, 2022, 247, 123549.	2.9	13
13	Electrocatalytic (bio)platforms for the determination of tetracyclines. Journal of Solid State Electrochemistry, 2021, 25, 3-13.	1.2	5
14	Disposable immunoplatforms for the simultaneous determination of biomarkers for neurodegenerative disorders using poly(amidoamine) dendrimer/gold nanoparticle nanocomposite. Analytical and Bioanalytical Chemistry, 2021, 413, 799-811.	1.9	32
15	Magnetic microbeads-based amperometric immunoplatform for the rapid and sensitive detection of N6-methyladenosine to assist in metastatic cancer cells discrimination. Biosensors and Bioelectronics, 2021, 171, 112708.	5.3	14
16	Electrochemical immunoplatform to assist in the diagnosis and classification of breast cancer through the determination of matrix-metalloproteinase-9. Talanta, 2021, 225, 122054.	2.9	15
17	Multiplexed Determination of Fertilityâ€related Hormones in Saliva Using Amperometric Immunosensing. Electroanalysis, 2021, 33, 2096-2104.	1.5	4
18	Electrochemical Immunosensing of ST2: A Checkpoint Target in Cancer Diseases. Biosensors, 2021, 11, 202.	2.3	11

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19	Phageâ€Derived and Aberrant HaloTag Peptides Immobilized on Magnetic Microbeads for Amperometric Biosensing of Serum Autoantibodies and Alzheimer's Disease Diagnosis. Analysis & Sensing, 2021, 1, 161-165.	1.1	8
20	Multiplexed Biosensing Diagnostic Platforms Detecting Autoantibodies to Tumor-Associated Antigens from Exosomes Released by CRC Cells and Tissue Samples Showed High Diagnostic Ability for Colorectal Cancer. Engineering, 2021, 7, 1393-1412.	3.2	20
21	Electrochemical biosensing to assist multiomics analysis in precision medicine. Current Opinion in Electrochemistry, 2021, 28, 100703.	2.5	9
22	New tools of Electrochemistry at the service of (bio)sensing: From rational designs to electrocatalytic mechanisms. Journal of Electroanalytical Chemistry, 2021, 896, 115097.	1.9	10
23	Electrochemical immunosensor for the determination of prolactin in saliva and breast milk. Microchemical Journal, 2021, 169, 106589.	2.3	7
24	New challenges in point of care electrochemical detection of clinical biomarkers. Sensors and Actuators B: Chemical, 2021, 345, 130349.	4.0	67
25	Multiplexed magnetic beads-assisted amperometric bioplatforms for global detection of methylations in nucleic acids. Analytica Chimica Acta, 2021, 1182, 338946.	2.6	10
26	Simultaneous determination of CXCL7 chemokine and MMP3 metalloproteinase as biomarkers for rheumatoid arthritis. Talanta, 2021, 234, 122705.	2.9	19
27	Simultaneous determination of four fertility-related hormones in saliva using disposable multiplexed immunoplatforms coupled to a custom-designed and field-portable potentiostat. Analytical Methods, 2021, 13, 3471-3478.	1.3	6
28	Revisiting Electrochemical Biosensing in the 21st Century Society for Inflammatory Cytokines Involved in Autoimmune, Neurodegenerative, Cardiac, Viral and Cancer Diseases. Sensors, 2021, 21, 189.	2.1	10
29	Immunodiagnosis by Electrochemical Multiplexing in Clinical Samples. , 2021, , 33-59.		0
30	Janus particles and motors: unrivaled devices for mastering (bio)sensing. Mikrochimica Acta, 2021, 188, 416.	2.5	10
31	Synthesis of New Water-Soluble Bunte Salts Bearing Thieno[2,3-b]Pyridine-3-yl Substituents. Chemistry Proceedings, 2021, 3, 24.	0.1	0
32	Electrochemical Immunosensor for Simultaneous Determination of Emerging Autoimmune Disease Biomarkers in Human Serum. , 2021, 3, .		0
33	Dual Amperometric Immunosensor for Improving Cancer Metastasis Detection by the Simultaneous Determination of Extracellular and Soluble Circulating Fraction of Emerging Metastatic Biomarkers. Electroanalysis, 2020, 32, 706-714.	1.5	10
34	Carbon/Inorganic Hybrid Nanoarchitectures as Carriers for Signaling Elements in Electrochemical Immunosensors: First Biosensor for the Determination of the Inflammatory and Metastatic Processes Biomarker RANKâ€ligand. ChemElectroChem, 2020, 7, 810-820.	1.7	14
35	Magnetic beads-based electrochemical immunosensing of HIF-1Î±, a biomarker of tumoral hypoxia. Sensors and Actuators B: Chemical, 2020, 307, 127623.	4.0	23
36	A novel zinc finger proteinâ€“based amperometric biosensor for miRNA determination. Analytical and Bioanalytical Chemistry, 2020, 412, 5031-5041.	1.9	26

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37	Determination of miRNAs in serum of cancer patients with a label- and enzyme-free voltammetric biosensor in a single 30-min step. Mikrochimica Acta, 2020, 187, 444.	2.5	20
38	Easily Multiplexable Immunoplatform to Assist Heart Failure Diagnosis through Amperometric Determination of Galectinâ€3. Electroanalysis, 2020, 32, 2775-2785.	1.5	4
39	Electrochemical Affinity Biosensors Based on Selected Nanostructures for Food and Environmental Monitoring. Sensors, 2020, 20, 5125.	2.1	21
40	Advances in the Detection of Toxic Algae Using Electrochemical Biosensors. Biosensors, 2020, 10, 207.	2.3	10
41	Multimodal/Multifunctional Nanomaterials in (Bio)electrochemistry: Now and in the Coming Decade. Nanomaterials, 2020, 10, 2556.	1.9	13
42	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
43	Electrochemical biosensor for the simultaneous determination of rheumatoid factor and anti-cyclic citrullinated peptide antibodies in human serum. Analyst, The, 2020, 145, 4680-4687.	1.7	23
44	First electrochemical immunosensor for the rapid detection of mustard seeds in plant food extracts. Talanta, 2020, 219, 121247.	2.9	12
45	Enlightening the advancements in electrochemical bioanalysis for the diagnosis of Alzheimerâ€™s disease and other neurodegenerative disorders. Journal of Pharmaceutical and Biomedical Analysis, 2020, 189, 113437.	1.4	25
46	Multiplexed monitoring of a novel autoantibody diagnostic signature of colorectal cancer using HaloTag technology-based electrochemical immunosensing platform. Theranostics, 2020, 10, 3022-3034.	4.6	23
47	Beyond Sensitive and Selective Electrochemical Biosensors: Towards Continuous, Real-Time, Antibiofouling and Calibration-Free Devices. Sensors, 2020, 20, 3376.	2.1	33
48	Nanozymes in electrochemical affinity biosensing. Mikrochimica Acta, 2020, 187, 423.	2.5	34
49	Screen-Printed Electrodes: Promising Paper and Wearable Transducers for (Bio)Sensing. Biosensors, 2020, 10, 76.	2.3	62
50	Amperometric Bioplatforms To Detect Regional DNA Methylation with Single-Base Sensitivity. Analytical Chemistry, 2020, 92, 5604-5612.	3.2	35
51	Design of electrochemical immunosensors using electro-click chemistry. Application to the detection of IL-1Î² cytokine in saliva. Bioelectrochemistry, 2020, 133, 107484.	2.4	33
52	Electrochemical biosensing to move forward in cancer epigenetics and metastasis: A review. Analytica Chimica Acta, 2020, 1109, 169-190.	2.6	17
53	A novel peptide-based electrochemical biosensor for the determination of a metastasis-linked protease in pancreatic cancer cells. Analytical and Bioanalytical Chemistry, 2020, 412, 6177-6188.	1.9	26
54	Electrochemical immunosensor for the determination of the cytokine interferon gamma (IFN-Î³) in saliva. Talanta, 2020, 211, 120761.	2.9	32

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55	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
56	Fast and sensitive diagnosis of autoimmune disorders through amperometric biosensing of serum anti-dsDNA autoantibodies. Biosensors and Bioelectronics, 2020, 160, 112233.	5.3	11
57	Electrochemical immunoplatform to improve the reliability of breast cancer diagnosis through the simultaneous determination of RANKL and TNF in serum. Sensors and Actuators B: Chemical, 2020, 314, 128096.	4.0	22
58	Terminology of electrochemical methods of analysis (IUPAC Recommendations 2019). Pure and Applied Chemistry, 2020, 92, 641-694.	0.9	55
59	Cutting-Edge Advances in Electrochemical Affinity Biosensing at Different Molecular Level of Emerging Food Allergens and Adulterants. Biosensors, 2020, 10, 10.	2.3	29
60	Nanoparticles for nucleic-acid-based biosensing: opportunities, challenges, and prospects. Analytical and Bioanalytical Chemistry, 2019, 411, 1791-1806.	1.9	22
61	Tailoring Sensitivity in Electrochemical Nucleic Acid Hybridization Biosensing: Role of Surface Chemistry and Labeling Strategies. ChemElectroChem, 2019, 6, 60-72.	1.7	25
62	Hairpin DNA-AuNPs as molecular binding elements for the detection of volatile organic compounds. Biosensors and Bioelectronics, 2019, 123, 124-130.	5.3	25
63	Disposable Amperometric Immunosensor for the Detection of Adulteration in Milk through Single or Multiplexed Determination of Bovine, Ovine, or Caprine Immunoglobulins G. Analytical Chemistry, 2019, 91, 11266-11274.	3.2	20
64	Special Collection on Bioelectrochemistry. ChemElectroChem, 2019, 6, 5354-5355.	1.7	1
65	Biosensing and Delivery of Nucleic Acids Involving Selected Well-Known and Rising Star Functional Nanomaterials. Nanomaterials, 2019, 9, 1614.	1.9	2
66	What Electrochemical Biosensors Can Do for Forensic Science? Unique Features and Applications. Biosensors, 2019, 9, 127.	2.3	22
67	Magnetic Janus Particles for Static and Dynamic (Bio)Sensing. Magnetochemistry, 2019, 5, 47.	1.0	26
68	11PS04 is a new chemical entity identified by microRNA-based biosensing with promising therapeutic potential against cancer stem cells. Scientific Reports, 2019, 9, 11916.	1.6	2
69	Opportunities, Challenges, and Prospects in Electrochemical Biosensing of Circulating Tumor DNA and its Specific Features. Sensors, 2019, 19, 3762.	2.1	21
70	Computationally Designed Peptides for Zika Virus Detection: An Incremental Construction Approach. Biomolecules, 2019, 9, 498.	1.8	9
71	Pushing the limits of electrochemistry toward challenging applications in clinical diagnosis, prognosis, and therapeutic action. Chemical Communications, 2019, 55, 2563-2592.	2.2	48
72	Antifouling (Bio)materials for Electrochemical (Bio)sensing. International Journal of Molecular Sciences, 2019, 20, 423.	1.8	93

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73	Electrochemical biosensors for autoantibodies in autoimmune and cancer diseases. Analytical Methods, 2019, 11, 871-887.	1.3	27
74	Copper(I)-Catalyzed Click Chemistry as a Tool for the Functionalization of Nanomaterials and the Preparation of Electrochemical (Bio)Sensors. Sensors, 2019, 19, 2379.	2.1	27
75	Advances in Electrochemical (Bio)Sensing Targeting Epigenetic Modifications of Nucleic Acids. Electroanalysis, 2019, 31, 1816-1832.	1.5	12
76	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
77	Direct PCR-free electrochemical biosensing of plant-food derived nucleic acids in genomic DNA extracts. Application to the determination of the key allergen Sola l 7 in tomato seeds. Biosensors and Bioelectronics, 2019, 137, 171-177.	5.3	21
78	Carbon Dots and Graphene Quantum Dots in Electrochemical Biosensing. Nanomaterials, 2019, 9, 634.	1.9	210
79	Reagentless and reusable electrochemical affinity biosensors for near real-time and/or continuous operation. Advances and prospects. Current Opinion in Electrochemistry, 2019, 16, 35-41.	2.5	17
80	Click chemistry-assisted antibodies immobilization for immunosensing of CXCL7 chemokine in serum. Journal of Electroanalytical Chemistry, 2019, 837, 246-253.	1.9	16
81	Disposable Amperometric Immunosensor for the Determination of the Eâ€Cadherin Tumor Suppressor Protein in Cancer Cells and Human Tissues. Electroanalysis, 2019, 31, 309-317.	1.5	12
82	Multiplexed Immunosensing Platform Coupled to Hybridization Chain Reaction for Electrochemical Determination of MicroRNAs in Clinical Samples. Electroanalysis, 2019, 31, 293-302.	1.5	27
83	Direct electrochemical biosensing in gastrointestinal fluids. Analytical and Bioanalytical Chemistry, 2019, 411, 4597-4604.	1.9	37
84	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
85	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
86	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
87	Oxidative grafting vs. monolayers self-assembling on gold surface for the preparation of electrochemical immunosensors. Application to the determination of peptide YY. Talanta, 2019, 193, 139-145.	2.9	10
88	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
89	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
90	Electrochemical Sensing of Cancerâ€related Global and Locusâ€specific DNA Methylation Events. Electroanalysis, 2018, 30, 1201-1216.	1.5	12

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91	Screenâ€printed Gold Electrodes Functionalized with Grafted pâ€Aminobenzoic Acid for the Construction of Electrochemical Immunosensors. Determination of TGFâ€Î²1 Cytokine in Human Plasma. Electroanalysis, 2018, 30, 1327-1335.	1.5	8
92	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
93	Magnetic multiwalled carbon nanotubes as nanocarrier tags for sensitive determination of fetuin in saliva. Biosensors and Bioelectronics, 2018, 113, 88-94.	5.3	25
94	Current trends and challenges in bioelectrochemistry for non-invasive and early diagnosis. Current Opinion in Electrochemistry, 2018, 12, 81-91.	2.5	15
95	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
96	Disposable amperometric immunosensor for Saccharomyces cerevisiae based on carboxylated graphene oxide-modified electrodes. Analytical and Bioanalytical Chemistry, 2018, 410, 7901-7907.	1.9	15
97	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
98	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
99	Integrated Affinity Biosensing Platforms on Screen-Printed Electrodes Electrografted with Diazonium Salts. Sensors, 2018, 18, 675.	2.1	53
100	Single-Step Incubation Determination of miRNAs in Cancer Cells Using an Amperometric Biosensor Based on Competitive Hybridization onto Magnetic Beads. Sensors, 2018, 18, 863.	2.1	32
101	Electrochemical immunosensor for IL-13 Receptor Î±2 determination and discrimination of metastatic colon cancer cells. Biosensors and Bioelectronics, 2018, 117, 766-772.	5.3	34
102	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
103	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
104	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
105	Determination of Cadherin-17 in Tumor Tissues of Different Metastatic Grade Using a Single Incubation-Step Amperometric Immunosensor. Analytical Chemistry, 2018, 90, 11161-11167.	3.2	22
106	Amperometric immunoassay for the obesity biomarker amylin using a screen printed carbon electrode functionalized with an electropolymerized carboxylated polypyrrole. Mikrochimica Acta, 2018, 185, 323.	2.5	12
107	Electrochemical Nucleic Acid Sensors Based on Nanomaterials for Medical Diagnostics. , 2018, , 319-351.		2
108	Electrochemical Nucleic Acid-Based Biosensing of Drugs of Abuse and Pharmaceuticals. Current Medicinal Chemistry, 2018, 25, 4102-4118.	1.2	16

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109	Hybrid 2D-nanomaterials-based electrochemical immunosensing strategies for clinical biomarkers determination. Biosensors and Bioelectronics, 2017, 89, 269-279.	5.3	45
110	Electrochemical immunosensor for sensitive determination of transforming growth factor (TGF) - Î²1 in urine. Biosensors and Bioelectronics, 2017, 88, 9-14.	5.3	38
111	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
112	Electrochemical Biosensing for the Diagnosis of Viral Infections and Tropical Diseases. ChemElectroChem, 2017, 4, 753-777.	1.7	29
113	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
114	Electrochemical sensors based on magnetic molecularly imprinted polymers: A review. Analytica Chimica Acta, 2017, 960, 1-17.	2.6	173
115	Electrochemical biosensing of microribonucleic acids using antibodies and viral proteins with affinity for ribonucleic acid duplexes. Electrochimica Acta, 2017, 230, 271-278.	2.6	16
116	Rapid micromotor-based naked-eye immunoassay. Talanta, 2017, 167, 651-657.	2.9	49
117	Amperometric determination of hazelnut traces by means of Express PCR coupled to magnetic beads assembled on disposable DNA sensing scaffolds. Sensors and Actuators B: Chemical, 2017, 245, 895-902.	4.0	19
118	Non-enzymatic hydrogen peroxide sensor based on graphene quantum dots-chitosan/methylene blue hybrid nanostructures. Electrochimica Acta, 2017, 246, 303-314.	2.6	85
119	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
120	Nano/microvehicles for efficient delivery and (bio)sensing at the cellular level. Chemical Science, 2017, 8, 6750-6763.	3.7	104
121	Comparative evaluation of the performance of electrochemical immunosensors using magnetic microparticles and nanoparticles. Application to the determination of tyrosine kinase receptor AXL. Mikrochimica Acta, 2017, 184, 4251-4258.	2.5	18
122	Disposable electrochemical immunosensor for Brettanomyces bruxellensis based on nanogold-reduced graphene oxide hybrid nanomaterial. Analytical and Bioanalytical Chemistry, 2017, 409, 5667-5674.	1.9	19
123	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
124	Advanced Electrochemical Scaffolds for Multiplexed Biosensing of Cancer Reporters in Complex Clinical Samples. Procedia Technology, 2017, 27, 17-20.	1.1	0
125	Viologen-functionalized single-walled carbon nanotubes as carrier nanotags for electrochemical immunosensing. Application to TGF-Î²1 cytokine. Biosensors and Bioelectronics, 2017, 98, 240-247.	5.3	28
126	Mimicking Peroxidase Activities with Prussian Blue Nanoparticles and Their Cyanometalate Structural Analogues. Nano Letters, 2017, 17, 4958-4963.	4.5	106

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127	Electrochemical bioaffinity sensors for salivary biomarkers detection. TrAC - Trends in Analytical Chemistry, 2017, 86, 14-24.	5.8	62
128	Electrochemical (Bio)sensing of Clinical Markers Using Quantum Dots. Electroanalysis, 2017, 29, 24-37.	1.5	21
129	Carbon Nanostructures for Tagging in Electrochemical Biosensing: A Review. Journal of Carbon Research, 2017, 3, 3.	1.4	14
130	Electrochemical Affinity Biosensors in Food Safety. Chemosensors, 2017, 5, 8.	1.8	38
131	An Electrochemical Enzyme Biosensor for 3-Hydroxybutyrate Detection Using Screen-Printed Electrodes Modified by Reduced Graphene Oxide and Thionine. Biosensors, 2017, 7, 50.	2.3	34
132	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
133	Magnetic Beads-Based Sensor with Tailored Sensitivity for Rapid and Single-Step Amperometric Determination of miRNAs. International Journal of Molecular Sciences, 2017, 18, 2151.	1.8	30
134	Amperometric Immunosensing Scaffolds for Rapid, Simple, Non-Invasive and Accurate Determination of Protein Biomarkers of Well-Accepted and Emerging Clinical Importance. Proceedings (mdpi), 2017, 1, 727.	0.2	0
135	Electrochemical Genosensing of Circulating Biomarkers. Sensors, 2017, 17, 866.	2.1	37
136	Multiplexed Electrochemical Immunosensors for Clinical Biomarkers. Sensors, 2017, 17, 965.	2.1	50
137	Non-Invasive Breast Cancer Diagnosis through Electrochemical Biosensing at Different Molecular Levels. Sensors, 2017, 17, 1993.	2.1	40
138	Molecular Biosensors for Electrochemical Detection of Infectious Pathogens in Liquid Biopsies: Current Trends and Challenges. Sensors, 2017, 17, 2533.	2.1	36
139	Automated Bioanalyzer Based on Amperometric Enzymatic Biosensors for the Determination of Ethanol in Low-Alcohol Beers. Beverages, 2017, 3, 22.	1.3	4
140	Fullerenes in Electrochemical Catalytic and Affinity Biosensing: A Review. Journal of Carbon Research, 2017, 3, 21.	1.4	27
141	Diagnostics Strategies with Electrochemical Affinity Biosensors Using Carbon Nanomaterials as Electrode Modifiers. Diagnostics, 2017, 7, 2.	1.3	23
142	Electrochemical Nucleic Acid-Based Strategies for miRNAs Determination. Comprehensive Analytical Chemistry, 2017, 77, 179-205.	0.7	3
143	Electrochemical sensor for rapid determination of fibroblast growth factor receptor 4 in raw cancer cell lysates. PLoS ONE, 2017, 12, e0175056.	1.1	22
144	Improving Cancer Outcomes through Electrochemical Biosensing of Early Diagnosis/Prognosis Biomarkers in Human Biopsies. Proceedings (mdpi), 2017, 1, .	0.2	0

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145	Disposable Amperometric Immunosensor for the Determination of Human P53 Protein in Cell Lysates Using Magnetic Micro-Carriers. Biosensors, 2016, 6, 56.	2.3	24
146	Simultaneous Determination of the Main Peanut Allergens in Foods Using Disposable Amperometric Magnetic Beads-Based Immunosensing Platforms. Chemosensors, 2016, 4, 11.	1.8	19
147	Magnetic Particles Coupled to Disposable Screen Printed Transducers for Electrochemical Biosensing. Sensors, 2016, 16, 1585.	2.1	30
148	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
149	Electrochemical magnetic beads-based immunosensing platform for the determination of Î±-lactalbumin in milk. Food Chemistry, 2016, 213, 595-601.	4.2	50
150	Electrochemical Magnetoimmunosensor for Progesterone Receptor Determination. Application to the Simultaneous Detection of Estrogen and Progesterone Breastâ€cancer Related Receptors in Raw Cell Lysates.. Electroanalysis, 2016, 28, 1787-1794.	1.5	15
151	Amperometric xanthine biosensors using glassy carbon electrodes modified with electrografted porous silica nanomaterials loaded with xanthine oxidase. Mikrochimica Acta, 2016, 183, 2023-2030.	2.5	9
152	Automatic bionalyzer using an integrated amperometric biosensor for the determination of L-malic acid in wines. Talanta, 2016, 158, 6-13.	2.9	15
153	Label-free electrochemical genosensor based on mesoporous silica thin film. Analytical and Bioanalytical Chemistry, 2016, 408, 7321-7327.	1.9	25
154	Novel reduced graphene oxideâ€“glycol chitosan nanohybrid for the assembly of an amperometric enzyme biosensor for phenols. Analyst, The, 2016, 141, 4162-4169.	1.7	30
155	Gold nanoparticles-decorated silver-bipyridine nanobelts for the construction of mediatorless hydrogen peroxide biosensor. Journal of Colloid and Interface Science, 2016, 482, 105-111.	5.0	18
156	Gold nanoparticles/silver-bipyridine hybrid nanobelts with tuned peroxidase-like activity. RSC Advances, 2016, 6, 74957-74960.	1.7	11
157	Rapid endoglin determination in serum samples using an amperometric magneto-actuated disposable immunosensing platform. Journal of Pharmaceutical and Biomedical Analysis, 2016, 129, 288-293.	1.4	10
158	Electroanalysis: Faster Processing and Greater Service. Electroanalysis, 2016, 28, 3-3.	1.5	0
159	Special Issue for Electrochemical Immunosensors - State of the Art. Electroanalysis, 2016, 28, 1656-1657.	1.5	0
160	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
161	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
162	Uncommon Carbon Nanostructures for the Preparation of Electrochemical Immunosensors. Electroanalysis, 2016, 28, 1679-1691.	1.5	26

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163	Fast Electrochemical miRNAs Determination in Cancer Cells and Tumor Tissues with Antibody-Functionalized Magnetic Microcarriers. ACS Sensors, 2016, 1, 896-903.	4.0	47
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