

# Jos M Pingarrn

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8268526/jose-m-pingarrn-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

391  
papers

12,581  
citations

56  
h-index

86  
g-index

408  
ext. papers

13,926  
ext. citations

5.9  
avg, IF

6.81  
L-index

#	Paper	IF	Citations
391	Rapid diagnosis of egg allergy by targeting ovalbumin specific IgE and IgG4 in serum on a disposable electrochemical immunoplatfrom. <i>Sensors &amp; Diagnostics</i> , <b>2022</b> , 1, 149-159		0
390	Ultrasensitive detection of soy traces by immunosensing of glycinin and $\beta$ -conglycinin at disposable electrochemical platforms.. <i>Talanta</i> , <b>2022</b> , 241, 123226	6.2	1
389	Binary MoS nanostructures as nanocarriers for amplification in multiplexed electrochemical immunosensing: simultaneous determination of B cell activation factor and proliferation-induced signal immunity-related cytokines.. <i>Mikrochimica Acta</i> , <b>2022</b> , 189, 143	5.8	1
388	Monitoring autoimmune diseases by bioelectrochemical detection of autoantibodies. Application to the determination of anti-myelin basic protein autoantibodies in serum of multiple sclerosis patients.. <i>Talanta</i> , <b>2022</b> , 243, 123304	6.2	0
387	Assisting dementia diagnosis through the electrochemical immunosensing of glial fibrillary acidic protein.. <i>Talanta</i> , <b>2022</b> , 246, 123526	6.2	1
386	Dextran-coated nanoparticles as immunosensing platforms: Consideration of polyaldehyde density, nanoparticle size and functionality. <i>Talanta</i> , <b>2022</b> , 123549	6.2	0
385	Synthesis of New Water-Soluble Bunte Salts Bearing Thieno[2,3-b]Pyridine-3-yl Substituents. <i>Chemistry Proceedings</i> , <b>2021</b> , 3, 24		
384	Immunodiagnosis by Electrochemical Multiplexing in Clinical Samples <b>2021</b> , 33-59		
383	Janus particles and motors: unrivaled devices for mastering (bio)sensing. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 416	5.8	4
382	Unraveling autoimmune and neurodegenerative diseases by amperometric serological detection of antibodies against aquaporin-4.. <i>Bioelectrochemistry</i> , <b>2021</b> , 144, 108041	5.6	1
381	Electrochemical immunoplatfrom to assist in the diagnosis and classification of breast cancer through the determination of matrix-metalloproteinase-9. <i>Talanta</i> , <b>2021</b> , 225, 122054	6.2	7
380	Multiplexed Determination of Fertility-related Hormones in Saliva Using Amperometric Immunosensing. <i>Electroanalysis</i> , <b>2021</b> , 33, 2096-2104	3	2
379	Electrochemical Immunosensing of ST2: A Checkpoint Target in Cancer Diseases. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	5
378	Electrocatalytic (bio)platforms for the determination of tetracyclines. <i>Journal of Solid State Electrochemistry</i> , <b>2021</b> , 25, 3-13	2.6	3
377	Disposable immunoplatfroms for the simultaneous determination of biomarkers for neurodegenerative disorders using poly(amidoamine) dendrimer/gold nanoparticle nanocomposite. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 799-811	4.4	17
376	Magnetic microbeads-based amperometric immunoplatfrom for the rapid and sensitive detection of N6-methyladenosine to assist in metastatic cancer cells discrimination. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 171, 112708	11.8	7
375	Anticipating metastasis through electrochemical immunosensing of tumor hypoxia biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 1	4.4	3

374	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. <i>Engineering</i> , <b>2021</b> ,	9.7	6
373	Electrochemical biosensing to assist multiomics analysis in precision medicine. <i>Current Opinion in Electrochemistry</i> , <b>2021</b> , 28, 100703	7.2	3
372	New tools of Electrochemistry at the service of (bio)sensing: From rational designs to electrocatalytic mechanisms. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 896, 115097	4.1	6
371	Electrochemical immunosensor for the determination of prolactin in saliva and breast milk. <i>Microchemical Journal</i> , <b>2021</b> , 169, 106589	4.8	3
370	New challenges in point of care electrochemical detection of clinical biomarkers. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 345, 130349	8.5	9
369	Multiplexed magnetic beads-assisted amperometric bioplatfoms for global detection of methylations in nucleic acids. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1182, 338946	6.6	3
368	Simultaneous determination of CXCL7 chemokine and MMP3 metalloproteinase as biomarkers for rheumatoid arthritis. <i>Talanta</i> , <b>2021</b> , 234, 122705	6.2	0
367	Simultaneous determination of four fertility-related hormones in saliva using disposable multiplexed immunoplatforms coupled to a custom-designed and field-portable potentiostat. <i>Analytical Methods</i> , <b>2021</b> , 13, 3471-3478	3.2	0
366	Multimodal/Multifunctional Nanomaterials in (Bio)electrochemistry: Now and in the Coming Decade. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	6
365	An electrochemical immunosensor using gold nanoparticles-PAMAM-nanostructured screen-printed carbon electrodes for tau protein determination in plasma and brain tissues from Alzheimer patients. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 163, 112238	11.8	43
364	Electrochemical biosensor for the simultaneous determination of rheumatoid factor and anti-cyclic citrullinated peptide antibodies in human serum. <i>Analyst, The</i> , <b>2020</b> , 145, 4680-4687	5	17
363	First electrochemical immunosensor for the rapid detection of mustard seeds in plant food extracts. <i>Talanta</i> , <b>2020</b> , 219, 121247	6.2	5
362	Enlightening the advancements in electrochemical bioanalysis for the diagnosis of Alzheimer's disease and other neurodegenerative disorders. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 189, 113437	3.5	12
361	Multiplexed monitoring of a novel autoantibody diagnostic signature of colorectal cancer using HaloTag technology-based electrochemical immunosensing platform. <i>Theranostics</i> , <b>2020</b> , 10, 3022-3034 <sup>12.1</sup>	12.1	13
360	Beyond Sensitive and Selective Electrochemical Biosensors: Towards Continuous, Real-Time, Antibiofouling and Calibration-Free Devices. <i>Sensors</i> , <b>2020</b> , 20,	3.8	10
359	Nanozymes in electrochemical affinity biosensing. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 423	5.8	19
358	Screen-Printed Electrodes: Promising Paper and Wearable Transducers for (Bio)Sensing. <i>Biosensors</i> , <b>2020</b> , 10,	5.9	25
357	Amperometric Bioplatfoms To Detect Regional DNA Methylation with Single-Base Sensitivity. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 5604-5612	7.8	23

356	Design of electrochemical immunosensors using electro-click chemistry. Application to the detection of IL-1 $\beta$ cytokine in saliva. <i>Bioelectrochemistry</i> , <b>2020</b> , 133, 107484	5.6	14
355	Electrochemical biosensing to move forward in cancer epigenetics and metastasis: A review. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1109, 169-190	6.6	8
354	A novel peptide-based electrochemical biosensor for the determination of a metastasis-linked protease in pancreatic cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 6177-6188	4.4	15
353	Electrochemical immunosensor for the determination of the cytokine interferon gamma (IFN- $\gamma$ ) in saliva. <i>Talanta</i> , <b>2020</b> , 211, 120761	6.2	21
352	Femtomolar direct voltammetric determination of circulating miRNAs in sera of cancer patients using an enzymeless biosensor. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1104, 188-198	6.6	35
351	Fast and sensitive diagnosis of autoimmune disorders through amperometric biosensing of serum anti-dsDNA autoantibodies. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 160, 112233	11.8	5
350	Terminology of electrochemical methods of analysis (IUPAC Recommendations 2019). <i>Pure and Applied Chemistry</i> , <b>2020</b> , 92, 641-694	2.1	23
349	Cutting-Edge Advances in Electrochemical Affinity Biosensing at Different Molecular Level of Emerging Food Allergens and Adulterants. <i>Biosensors</i> , <b>2020</b> , 10,	5.9	21
348	Revisiting Electrochemical Biosensing in the 21st Century Society for Inflammatory Cytokines Involved in Autoimmune, Neurodegenerative, Cardiac, Viral and Cancer Diseases. <i>Sensors</i> , <b>2020</b> , 21,	3.8	3
347	Carbon/Inorganic Hybrid Nanoarchitectures as Carriers for Signaling Elements in Electrochemical Immunosensors: First Biosensor for the Determination of the Inflammatory and Metastatic Processes Biomarker RANK-ligand. <i>ChemElectroChem</i> , <b>2020</b> , 7, 810-820	4.3	11
346	Magnetic beads-based electrochemical immunosensing of HIF-1 $\alpha$ biomarker of tumoral hypoxia. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 307, 127623	8.5	15
345	A novel zinc finger protein-based amperometric biosensor for miRNA determination. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 5031-5041	4.4	14
344	Determination of miRNAs in serum of cancer patients with a label- and enzyme-free voltammetric biosensor in a single 30-min step. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 444	5.8	9
343	Easily Multiplexable Immunoplatfom to Assist Heart Failure Diagnosis through Amperometric Determination of Galectin-3. <i>Electroanalysis</i> , <b>2020</b> , 32, 2775-2785	3	3
342	Electrochemical Affinity Biosensors Based on Selected Nanostructures for Food and Environmental Monitoring. <i>Sensors</i> , <b>2020</b> , 20,	3.8	11
341	Advances in the Detection of Toxic Algae Using Electrochemical Biosensors. <i>Biosensors</i> , <b>2020</b> , 10,	5.9	4
340	Dual Amperometric Immunosensor for Improving Cancer Metastasis Detection by the Simultaneous Determination of Extracellular and Soluble Circulating Fraction of Emerging Metastatic Biomarkers. <i>Electroanalysis</i> , <b>2020</b> , 32, 706-714	3	8
339	Electrochemical immunoplatfom to improve the reliability of breast cancer diagnosis through the simultaneous determination of RANKL and TNF in serum. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 314, 128096	8.5	12

338	Magnetic Janus Particles for Static and Dynamic (Bio)Sensing. <i>Magnetochemistry</i> , <b>2019</b> , 5, 47	3.1	16
337	11PS04 is a new chemical entity identified by microRNA-based biosensing with promising therapeutic potential against cancer stem cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 11916	4.9	1
336	Opportunities, Challenges, and Prospects in Electrochemical Biosensing of Circulating Tumor DNA and its Specific Features. <i>Sensors</i> , <b>2019</b> , 19,	3.8	17
335	Computationally Designed Peptides for Zika Virus Detection: An Incremental Construction Approach. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	6
334	Pushing the limits of electrochemistry toward challenging applications in clinical diagnosis, prognosis, and therapeutic action. <i>Chemical Communications</i> , <b>2019</b> , 55, 2563-2592	5.8	37
333	Smart Carbon Nanomaterials in Electrochemical Biosensing for Clinical Analysis <b>2019</b> , 859-894		1
332	Antifouling (Bio)materials for Electrochemical (Bio)sensing. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	56
331	Electrochemical biosensors for autoantibodies in autoimmune and cancer diseases. <i>Analytical Methods</i> , <b>2019</b> , 11, 871-887	3.2	18
330	Copper(I)-Catalyzed Click Chemistry as a Tool for the Functionalization of Nanomaterials and the Preparation of Electrochemical (Bio)Sensors. <i>Sensors</i> , <b>2019</b> , 19,	3.8	17
329	Advances in Electrochemical (Bio)Sensing Targeting Epigenetic Modifications of Nucleic Acids. <i>Electroanalysis</i> , <b>2019</b> , 31, 1816-1832	3	9
328	Simultaneous amperometric immunosensing of the metastasis-related biomarkers IL-13R $\alpha$ and CDH-17 by using grafted screen-printed electrodes and a composite prepared from quantum dots and carbon nanotubes for signal amplification. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 411	5.8	29
327	Direct PCR-free electrochemical biosensing of plant-food derived nucleic acids in genomic DNA extracts. Application to the determination of the key allergen Sol a l 7 in tomato seeds. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 137, 171-177	11.8	17
326	Carbon Dots and Graphene Quantum Dots in Electrochemical Biosensing. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	112
325	Reagentless and reusable electrochemical affinity biosensors for near real-time and/or continuous operation. Advances and prospects. <i>Current Opinion in Electrochemistry</i> , <b>2019</b> , 16, 35-41	7.2	14
324	Click chemistry-assisted antibodies immobilization for immunosensing of CXCL7 chemokine in serum. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 837, 246-253	4.1	8
323	Nanoparticles for nucleic-acid-based biosensing: opportunities, challenges, and prospects. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 1791-1806	4.4	18
322	Tailoring Sensitivity in Electrochemical Nucleic Acid Hybridization Biosensing: Role of Surface Chemistry and Labeling Strategies. <i>ChemElectroChem</i> , <b>2019</b> , 6, 60-72	4.3	19
321	Hairpin DNA-AuNPs as molecular binding elements for the detection of volatile organic compounds. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 123, 124-130	11.8	17

320	Disposable Amperometric Immunosensor for the Detection of Adulteration in Milk through Single or Multiplexed Determination of Bovine, Ovine, or Caprine Immunoglobulins G. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 11266-11274	7.8	10
319	Biosensing and Delivery of Nucleic Acids Involving Selected Well-Known and Rising Star Functional Nanomaterials. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	2
318	What Electrochemical Biosensors Can Do for Forensic Science? Unique Features and Applications. <i>Biosensors</i> , <b>2019</b> , 9,	5.9	7
317	Electroanalytical Methods Based on Hybrid Nanomaterials <b>2019</b> , 1-22		
316	Disposable Amperometric Immunosensor for the Determination of the E-Cadherin Tumor Suppressor Protein in Cancer Cells and Human Tissues. <i>Electroanalysis</i> , <b>2019</b> , 31, 309-317	3	10
315	Multiplexed Immunosensing Platform Coupled to Hybridization Chain Reaction for Electrochemical Determination of MicroRNAs in Clinical Samples. <i>Electroanalysis</i> , <b>2019</b> , 31, 293-302	3	21
314	Direct electrochemical biosensing in gastrointestinal fluids. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4597-4604	4.4	22
313	Versatile Electroanalytical Bioplatfoms for Simultaneous Determination of Cancer-Related DNA 5-Methyl- and 5-Hydroxymethyl-Cytosines at Global and Gene-Specific Levels in Human Serum and Tissues. <i>ACS Sensors</i> , <b>2019</b> , 4, 227-234	9.2	40
312	Determination of progesterone in saliva using an electrochemical immunosensor and a COTS-based portable potentiostat. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1049, 65-73	6.6	28
311	Disposable electrochemical biosensors for <i>Brettanomyces bruxellensis</i> and total yeast content in wine based on core-shell magnetic nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 279, 15-21	8.5	29
310	Oxidative grafting vs. monolayers self-assembling on gold surface for the preparation of electrochemical immunosensors. Application to the determination of peptide YY. <i>Talanta</i> , <b>2019</b> , 193, 139-145	6.2	7
309	Ultrasensitive determination of receptor tyrosine kinase with a label-free electrochemical immunosensor using graphene quantum dots-modified screen-printed electrodes. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1011, 28-34	6.6	46
308	Electrochemical affinity biosensors for fast detection of gene-specific methylations with no need for bisulfite and amplification treatments. <i>Scientific Reports</i> , <b>2018</b> , 8, 6418	4.9	47
307	Electrochemical Sensing of Cancer-related Global and Locus-specific DNA Methylation Events. <i>Electroanalysis</i> , <b>2018</b> , 30, 1201-1216	3	10
306	Screen-printed Gold Electrodes Functionalized with Grafted p-Aminobenzoic Acid for the Construction of Electrochemical Immunosensors. Determination of TGF- $\beta$ Cytokine in Human Plasma. <i>Electroanalysis</i> , <b>2018</b> , 30, 1327-1335	3	6
305	Comparison of Different Strategies for the Development of Highly Sensitive Electrochemical Nucleic Acid Biosensors Using Neither Nanomaterials nor Nucleic Acid Amplification. <i>ACS Sensors</i> , <b>2018</b> , 3, 211-221	9.2	33
304	Magnetic multiwalled carbon nanotubes as nanocarrier tags for sensitive determination of fetuin in saliva. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 113, 88-94	11.8	22
303	Current trends and challenges in bioelectrochemistry for non-invasive and early diagnosis. <i>Current Opinion in Electrochemistry</i> , <b>2018</b> , 12, 81-91	7.2	12

302	An electrochemical immunosensor for brain natriuretic peptide prepared with screen-printed carbon electrodes nanostructured with gold nanoparticles grafted through aryl diazonium salt chemistry. <i>Talanta</i> , <b>2018</b> , 179, 131-138	6.2	42
301	Integrated Affinity Biosensing Platforms on Screen-Printed Electrodes Electrografted with Diazonium Salts. <i>Sensors</i> , <b>2018</b> , 18,	3.8	41
300	Single-Step Incubation Determination of miRNAs in Cancer Cells Using an Amperometric Biosensor Based on Competitive Hybridization onto Magnetic Beads. <i>Sensors</i> , <b>2018</b> , 18,	3.8	22
299	Electrochemical immunosensor for IL-13 Receptor $\alpha$ determination and discrimination of metastatic colon cancer cells. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 766-772	11.8	28
298	Rapid Electrochemical Assessment of Tumor Suppressor Gene Methylations in Raw Human Serum and Tumor Cells and Tissues Using Immunomagnetic Beads and Selective DNA Hybridization. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8194-8198	16.4	48
297	Amperometric Biosensing of miRNA-21 in Serum and Cancer Cells at Nanostructured Platforms Using Anti-DNA-RNA Hybrid Antibodies. <i>ACS Omega</i> , <b>2018</b> , 3, 8923-8931	3.9	32
296	Hybrid Decorated Core@Shell Janus Nanoparticles as a Flexible Platform for Targeted Multimodal Molecular Bioimaging of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31032-31043	9.5	44
295	Determination of Cadherin-17 in Tumor Tissues of Different Metastatic Grade Using a Single Incubation-Step Amperometric Immunosensor. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 11161-11167	7.8	16
294	Amperometric immunoassay for the obesity biomarker amylin using a screen printed carbon electrode functionalized with an electropolymerized carboxylated polypyrrole. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 323	5.8	8
293	Electrochemical Nucleic Acid Sensors Based on Nanomaterials for Medical Diagnostics <b>2018</b> , 319-351		1
292	Electrochemical Nucleic Acid-Based Biosensing of Drugs of Abuse and Pharmaceuticals. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 4102-4118	4.3	11
291	Disposable amperometric immunosensor for <i>Saccharomyces cerevisiae</i> based on carboxylated graphene oxide-modified electrodes. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 7901-7907	4.4	9
290	Delayed Sensor Activation Based on Transient Coatings: Biofouling Protection in Complex Biofluids. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14050-14053	16.4	43
289	Rapid Electrochemical Assessment of Tumor Suppressor Gene Methylations in Raw Human Serum and Tumor Cells and Tissues Using Immunomagnetic Beads and Selective DNA Hybridization. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8326-8330	3.6	8
288	Hybrid 2D-nanomaterials-based electrochemical immunosensing strategies for clinical biomarkers determination. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 269-279	11.8	38
287	Electrochemical immunosensor for sensitive determination of transforming growth factor (TGF) - $\beta$ in urine. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 88, 9-14	11.8	35
286	Decoration of reduced graphene oxide with rhodium nanoparticles for the design of a sensitive electrochemical enzyme biosensor for 17 $\beta$ -estradiol. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 343-351	11.8	54
285	Electrochemical Biosensing for the Diagnosis of Viral Infections and Tropical Diseases. <i>ChemElectroChem</i> , <b>2017</b> , 4, 753-777	4.3	22

284	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 double-walled carbon nanotubes. <i>Analytica Chimica Acta</i> , <b>2017</b> , 959, 66-73	6.6	97
283	Electrochemical sensors based on magnetic molecularly imprinted polymers: A review. <i>Analytica Chimica Acta</i> , <b>2017</b> , 960, 1-17	6.6	147
282	Electrochemical biosensing of microribonucleic acids using antibodies and viral proteins with affinity for ribonucleic acid duplexes. <i>Electrochimica Acta</i> , <b>2017</b> , 230, 271-278	6.7	14
281	Rapid micromotor-based naked-eye immunoassay. <i>Talanta</i> , <b>2017</b> , 167, 651-657	6.2	34
280	Amperometric determination of hazelnut traces by means of Express PCR coupled to magnetic beads assembled on disposable DNA sensing scaffolds. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 245, 895-902	8.5	14
279	Non-enzymatic hydrogen peroxide sensor based on graphene quantum dots-chitosan/methylene blue hybrid nanostructures. <i>Electrochimica Acta</i> , <b>2017</b> , 246, 303-314	6.7	63
278	Competitive RNA-RNA hybridization-based integrated nanostructured-disposable electrode for highly sensitive determination of miRNAs in cancer cells. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 40-45	11.8	41
277	Electrochemical Nucleic Acid-Based Strategies for miRNAs Determination. <i>Comprehensive Analytical Chemistry</i> , <b>2017</b> , 77, 179-205	1.9	3
276	Electrochemical sensor for rapid determination of fibroblast growth factor receptor 4 in raw cancer cell lysates. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175056	3.7	17
275	Improving Cancer Outcomes through Electrochemical Biosensing of Early Diagnosis/Prognosis Biomarkers in Human Biopsies. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 759	0.3	
274	Nano/microvehicles for efficient delivery and (bio)sensing at the cellular level. <i>Chemical Science</i> , <b>2017</b> , 8, 6750-6763	9.4	84
273	Comparative evaluation of the performance of electrochemical immunosensors using magnetic microparticles and nanoparticles. Application to the determination of tyrosine kinase receptor AXL. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 4251-4258	5.8	17
272	Disposable electrochemical immunosensor for <i>Brettanomyces bruxellensis</i> based on nanogold-reduced graphene oxide hybrid nanomaterial. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 5667-5674	4.4	14
271	Disposable Amperometric Polymerase Chain Reaction-Free Biosensor for Direct Detection of Adulteration with Horsemeat in Raw Lysates Targeting Mitochondrial DNA. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9474-9482	7.8	33
270	Advanced Electrochemical Scaffolds for Multiplexed Biosensing of Cancer Reporters in Complex Clinical Samples. <i>Procedia Technology</i> , <b>2017</b> , 27, 17-20		
269	Viologen-functionalized single-walled carbon nanotubes as carrier nanotags for electrochemical immunosensing. Application to TGF- $\beta$ cytokine. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 98, 240-247	11.8	24
268	Mimicking Peroxidase Activities with Prussian Blue Nanoparticles and Their Cyanometalate Structural Analogues. <i>Nano Letters</i> , <b>2017</b> , 17, 4958-4963	11.5	69
267	Electrochemical bioaffinity sensors for salivary biomarkers detection. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 86, 14-24	14.6	43



266	Electrochemical (Bio)sensing of Clinical Markers Using Quantum Dots. <i>Electroanalysis</i> , <b>2017</b> , 29, 24-37	3	20
265	Carbon Nanostructures for Tagging in Electrochemical Biosensing: A Review. <i>Journal of Carbon Research</i> , <b>2017</b> , 3, 3	3.3	11
264	Electrochemical Affinity Biosensors in Food Safety. <i>Chemosensors</i> , <b>2017</b> , 5, 8	4	33
263	An Electrochemical Enzyme Biosensor for 3-Hydroxybutyrate Detection Using Screen-Printed Electrodes Modified by Reduced Graphene Oxide and Thionine. <i>Biosensors</i> , <b>2017</b> , 7,	5.9	24
262	Quantum Dots as Components of Electrochemical Sensing Platforms for the Detection of Environmental and Food Pollutants: a Review. <i>Journal of AOAC INTERNATIONAL</i> , <b>2017</b> , 100, 950-961	1.7	32
261	Magnetic Beads-Based Sensor with Tailored Sensitivity for Rapid and Single-Step Amperometric Determination of miRNAs. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	26
260	Amperometric Immunosensing Scaffolds for Rapid, Simple, Non-Invasive and Accurate Determination of Protein Biomarkers of Well-Accepted and Emerging Clinical Importance. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 727	0.3	
259	Electrochemical Genosensing of Circulating Biomarkers. <i>Sensors</i> , <b>2017</b> , 17,	3.8	27
258	Multiplexed Electrochemical Immunosensors for Clinical Biomarkers. <i>Sensors</i> , <b>2017</b> , 17,	3.8	43
257	Non-Invasive Breast Cancer Diagnosis through Electrochemical Biosensing at Different Molecular Levels. <i>Sensors</i> , <b>2017</b> , 17,	3.8	33
256	Molecular Biosensors for Electrochemical Detection of Infectious Pathogens in Liquid Biopsies: Current Trends and Challenges. <i>Sensors</i> , <b>2017</b> , 17,	3.8	29
255	Automated Bioanalyzer Based on Amperometric Enzymatic Biosensors for the Determination of Ethanol in Low-Alcohol Beers. <i>Beverages</i> , <b>2017</b> , 3, 22	3.4	2
254	Fullerenes in Electrochemical Catalytic and Affinity Biosensing: A Review. <i>Journal of Carbon Research</i> , <b>2017</b> , 3, 21	3.3	15
253	Electrochemical immunosensor for ethinylestradiol using diazonium salt grafting onto silver nanoparticles-silica-graphene oxide hybrids. <i>Talanta</i> , <b>2016</b> , 147, 328-34	6.2	24
252	Biosensors in Forensic Analysis <b>2016</b> , 215-262		1
251	Sensitive electrochemical determination of miRNAs based on a sandwich assay onto magnetic microcarriers and hybridization chain reaction amplification. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 516-521	11.8	56
250	Toward Liquid Biopsy: Determination of the Humoral Immune Response in Cancer Patients Using HaloTag Fusion Protein-Modified Electrochemical Bioplatfoms. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 12339-12345	7.8	31
249	Uncommon Carbon Nanostructures for the Preparation of Electrochemical Immunosensors. <i>Electroanalysis</i> , <b>2016</b> , 28, 1679-1691	3	24

248	Fast Electrochemical miRNAs Determination in Cancer Cells and Tumor Tissues with Antibody-Functionalized Magnetic Microcarriers. <i>ACS Sensors</i> , <b>2016</b> , 1, 896-903	9.2	42
247	Electrochemical detection of peanuts at trace levels in foods using a magnetoimmunosensor for the allergenic protein Ara h 2. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 236, 825-833	8.5	21
246	Viral protein-based bioanalytical tools for small RNA biosensing. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 79, 335-343	14.6	14
245	Electrochemical bioplatfoms for the simultaneous determination of interleukin (IL)-8 mRNA and IL-8 protein oral cancer biomarkers in raw saliva. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 543-8	11.8	65
244	Reduced graphene oxide-carboxymethylcellulose layered with platinum nanoparticles/PAMAM dendrimer/magnetic nanoparticles hybrids. Application to the preparation of enzyme electrochemical biosensors. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 232, 84-90	8.5	59
243	Neoglycoenzyme-Gated Mesoporous Silica Nanoparticles: Toward the Design of Nanodevices for Pulsatile Programmed Sequential Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 7657-65	9.5	22
242	Non-invasive determination of glucose directly in raw fruits using a continuous flow system based on microdialysis sampling and amperometric detection at an integrated enzymatic biosensor. <i>Analytica Chimica Acta</i> , <b>2016</b> , 914, 53-61	6.6	24
241	Implementation of a new integrated d-lactic acid biosensor in a semiautomatic FIA system for the simultaneous determination of lactic acid enantiomers. Application to the analysis of beer samples. <i>Talanta</i> , <b>2016</b> , 152, 147-54	6.2	15
240	Surface plasmon resonance immunosensor for ErbB2 breast cancer biomarker determination in human serum and raw cancer cell lysates. <i>Analytica Chimica Acta</i> , <b>2016</b> , 905, 156-62	6.6	52
239	Interrogation of immunoassay platforms by SERS and SECM after enzyme-catalyzed deposition of silver nanoparticles. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 281-287	5.8	9
238	Diagnostics Strategies with Electrochemical Affinity Biosensors Using Carbon Nanomaterials as Electrode Modifiers. <i>Diagnostics</i> , <b>2016</b> , 7,	3.8	14
237	Electrochemical Biosensors for Food Security: Allergens and Adulterants Detection. <i>Advanced Sciences and Technologies for Security Applications</i> , <b>2016</b> , 287-307	0.6	3
236	Disposable Amperometric Immunosensor for the Determination of Human P53 Protein in Cell Lysates Using Magnetic Micro-Carriers. <i>Biosensors</i> , <b>2016</b> , 6,	5.9	19
235	Simultaneous Determination of the Main Peanut Allergens in Foods Using Disposable Amperometric Magnetic Beads-Based Immunosensing Platforms. <i>Chemosensors</i> , <b>2016</b> , 4, 11	4	16
234	Magnetic Particles Coupled to Disposable Screen Printed Transducers for Electrochemical Biosensing. <i>Sensors</i> , <b>2016</b> , 16,	3.8	24
233	Carbon nanotubes functionalized by click chemistry as scaffolds for the preparation of electrochemical immunosensors. Application to the determination of TGF-beta 1 cytokine. <i>Analyst, The</i> , <b>2016</b> , 141, 5730-5737	5	31
232	Electrochemical magnetic beads-based immunosensing platform for the determination of Bactalbumin in milk. <i>Food Chemistry</i> , <b>2016</b> , 213, 595-601	8.5	38
231	Electrochemical Magnetoimmunosensor for Progesterone Receptor Determination. Application to the Simultaneous Detection of Estrogen and Progesterone Breast-cancer Related Receptors in Raw Cell Lysates.. <i>Electroanalysis</i> , <b>2016</b> , 28, 1787-1794	3	14

230	Amperometric xanthine biosensors using glassy carbon electrodes modified with electrografted porous silica nanomaterials loaded with xanthine oxidase. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 2023-2030	5.8	7
229	Automatic bionalyzer using an integrated amperometric biosensor for the determination of L-malic acid in wines. <i>Talanta</i> , <b>2016</b> , 158, 6-13	6.2	13
228	Label-free electrochemical genosensor based on mesoporous silica thin film. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 7321-7	4.4	17
227	Novel reduced graphene oxide-glycol chitosan nano hybrid for the assembly of an amperometric enzyme biosensor for phenols. <i>Analyst, The</i> , <b>2016</b> , 141, 4162-9	5	27
226	Gold nanoparticles-decorated silver-bipyridine nanobelts for the construction of mediatorless hydrogen peroxide biosensor. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 482, 105-111	9.3	17
225	Gold nanoparticles/silver-bipyridine hybrid nanobelts with tuned peroxidase-like activity. <i>RSC Advances</i> , <b>2016</b> , 6, 74957-74960	3.7	9
224	Rapid endoglin determination in serum samples using an amperometric magneto-actuated disposable immunosensing platform. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 129, 288-293	3.5	8
223	Electrochemical immunosensor for sensitive determination of the anorexigen peptide YY at grafted reduced graphene oxide electrode platforms. <i>Analyst, The</i> , <b>2015</b> , 140, 7527-33	5	16
222	Rapid Legionella pneumophila determination based on a disposable core-shell Fe <sub>3</sub> O <sub>4</sub> @poly(dopamine) magnetic nanoparticles immunoplatfrom. <i>Analytica Chimica Acta</i> , <b>2015</b> , 887, 51-58	6.6	52
221	Mesoporous silica thin film mechanized with a DNAzyme-based molecular switch for electrochemical biosensing. <i>Electrochemistry Communications</i> , <b>2015</b> , 58, 57-61	5.1	25
220	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. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 24-9	11.8	40
219	A bioelectronic system for insulin release triggered by ketone body mimicking diabetic ketoacidosis in vitro. <i>Chemical Communications</i> , <b>2015</b> , 51, 7618-21	5.8	19
218	Substance Release Triggered by Biomolecular Signals in Bioelectronic Systems. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 1340-7	6.4	63
217	Amperometric magnetoimmunoassay for the determination of lipoprotein(a). <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 1457-1464	5.8	5
216	Amperometric magnetoimmunosensor for ErbB2 breast cancer biomarker determination in human serum, cell lysates and intact breast cancer cells. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 70, 34-41	11.8	48
215	Electrocatalytic oxidation enhancement at the surface of InGaN films and nanostructures grown directly on Si(111). <i>Electrochemistry Communications</i> , <b>2015</b> , 60, 158-162	5.1	9
214	Amperometric magnetobiosensors using poly(dopamine)-modified Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles for the detection of phenolic compounds. <i>Analytical Methods</i> , <b>2015</b> , 7, 8801-8808	3.2	16
213	Simultaneous detection of two breast cancer-related miRNAs in tumor tissues using p19-based disposable amperometric magnetobiosensing platforms. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 66, 385-91	11.8	42

212	Electrochemical magnetoimmunosensing platform for determination of the milk allergen $\beta$ -lactoglobulin. <i>Talanta</i> , <b>2015</b> , 131, 156-62	6.2	45
211	Electroanalytical methods <b>2015</b> , 263-283		
210	Electroanalytical Methods Based on Hybrid Nanomaterials <b>2015</b> , 1-18		2
209	Single-Walled Carbon Nanotubes/Au Mesoporous Silica Janus Nanoparticles as Building Blocks for the Preparation of a Bionzyme Biosensor. <i>ChemElectroChem</i> , <b>2015</b> , 2, 1735-1741	4.3	20
208	A Layer-by-Layer Biosensing Architecture Based on Polyamidoamine Dendrimer and Carboxymethylcellulose-Modified Graphene Oxide. <i>Electroanalysis</i> , <b>2015</b> , 27, 2131-2138	3	17
207	Electrochemical Immunosensor for the Determination of Total Ghrelin Hormone in Saliva. <i>Electroanalysis</i> , <b>2015</b> , 27, 1119-1126	3	11
206	Electrochemically Stimulated DNA Release from a Polymer-Brush Modified Electrode. <i>Electroanalysis</i> , <b>2015</b> , 27, 2171-2179	3	10
205	Decorating graphene oxide/nanogold with dextran-based polymer brushes for the construction of ultrasensitive electrochemical enzyme biosensors. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 3518-3524	7.3	33
204	Reduced graphene oxide-Sb <sub>2</sub> O <sub>5</sub> hybrid nanomaterial for the design of a laccase-based amperometric biosensor for estriol. <i>Electrochimica Acta</i> , <b>2015</b> , 174, 332-339	6.7	40
203	Sensitive and selective magnetoimmunosensing platform for determination of the food allergen Ara h 1. <i>Analytica Chimica Acta</i> , <b>2015</b> , 880, 52-9	6.6	28
202	Dual functional graphene derivative-based electrochemical platforms for detection of the TP53 gene with single nucleotide polymorphism selectivity in biological samples. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 2290-8	7.8	64
201	Graphene/polyamidoamine dendrimer/Bt nanoparticles hybrid nanomaterial for the preparation of mediatorless enzyme biosensor. <i>Journal of Electroanalytical Chemistry</i> , <b>2014</b> , 717-718, 96-102	4.1	42
200	Biosensors in forensic analysis. A review. <i>Analytica Chimica Acta</i> , <b>2014</b> , 823, 1-19	6.6	58
199	Preparation of core-shell FeO@poly(dopamine) magnetic nanoparticles for biosensor construction. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 739-746	7.3	175
198	Amperometric immunosensor for the determination of ceruloplasmin in human serum and urine based on covalent binding to carbon nanotubes-modified screen-printed electrodes. <i>Talanta</i> , <b>2014</b> , 118, 61-7	6.2	12
197	Neoglycoenzymes. <i>Chemical Reviews</i> , <b>2014</b> , 114, 4868-917	68.1	17
196	Electrochemical immunosensor for the determination of insulin-like growth factor-1 using electrodes modified with carbon nanotubes-poly(pyrrole propionic acid) hybrids. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 52, 98-104	11.8	34
195	Immunologically Controlled Biofuel Cell as a Self-Powered Biosensor for Antibiotic Residue Determination. <i>ChemElectroChem</i> , <b>2014</b> , 1, 1854-1858	4.3	28

194	Direct Determination of miR-21 in Total RNA Extracted from Breast Cancer Samples Using Magnetosensing Platforms and the p19 Viral Protein as Detector Bioreceptor. <i>Electroanalysis</i> , <b>2014</b> , 26, 2080-2087	3	25
193	Electrochemical magnetoimmunosensor for the ultrasensitive determination of interleukin-6 in saliva and urine using poly-HRP streptavidin conjugates as labels for signal amplification. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 6363-71	4.4	54
192	Nanochannel-based electrochemical assay for transglutaminase activity. <i>Chemical Communications</i> , <b>2014</b> , 50, 13356-8	5.8	25
191	Lipoprotein(a) determination in human serum using a nitrilotriacetic acid derivative immunosensing scaffold on disposable electrodes. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 5379-87	4.4	4
190	Activation of a biocatalytic electrode by removing glucose oxidase from the surface--application to signal triggered drug release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13349-54	9.5	35
189	Model system for targeted drug release triggered by immune-specific signals. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 4825-9	4.4	22
188	Multiplexed Determination of Amino-Terminal Pro-B-Type Natriuretic Peptide and C-Reactive Protein Cardiac Biomarkers in Human Serum at a Disposable Electrochemical Magnetoimmunosensor. <i>Electroanalysis</i> , <b>2014</b> , 26, 254-261	3	29
187	Water-Soluble Reduced Graphene Oxide-Carboxymethylcellulose Hybrid Nanomaterial for Electrochemical Biosensor Design. <i>ChemPlusChem</i> , <b>2014</b> , 79, 1334-1341	2.8	21
186	Carbon nanohorns as a scaffold for the construction of disposable electrochemical immunosensing platforms. Application to the determination of fibrinogen in human plasma and urine. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 7749-56	7.8	42
185	Biotin-Labeled Electropolymerized Network of Gold Nanoparticles for Amperometric Immunodetection of Human Fibrinogen. <i>ChemElectroChem</i> , <b>2014</b> , 1, 200-206	4.3	1
184	Multiplexed determination of human growth hormone and prolactin at a label free electrochemical immunosensor using dual carbon nanotube-screen printed electrodes modified with gold and PEDOT nanoparticles. <i>Analyst, The</i> , <b>2014</b> , 139, 4556-63	5	18
183	Rapid screening of multiple antibiotic residues in milk using disposable amperometric magnetosensors. <i>Analytica Chimica Acta</i> , <b>2014</b> , 820, 32-8	6.6	35
182	Gold surface patterned with cyclodextrin-based molecular nanopores for electrochemical assay of transglutaminase activity. <i>Electrochemistry Communications</i> , <b>2014</b> , 40, 13-16	5.1	2
181	Magnetobiosensors based on viral protein p19 for microRNA determination in cancer cells and tissues. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 6168-71	16.4	104
180	Toward the design of smart delivery systems controlled by integrated enzyme-based biocomputing ensembles. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9116-23	16.4	92
179	Detection and Quantification of Sulfonamide Antibiotic Residues in Milk Using Scanning Electrochemical Microscopy. <i>Electroanalysis</i> , <b>2014</b> , 26, 481-487	3	8
178	Amperometric magnetoimmunoassay for the direct detection of tumor necrosis factor alpha biomarker in human serum. <i>Analytica Chimica Acta</i> , <b>2014</b> , 838, 37-44	6.6	41
177	Clinical evaluation of a disposable amperometric magneto-genosensor for the detection and identification of <i>Streptococcus pneumoniae</i> . <i>Journal of Microbiological Methods</i> , <b>2014</b> , 103, 25-8	2.8	14

176 ZnO and Graphene Microelectrode Applications in Biosensing **2014**, 1-35

175 Antibacterial Drug Release Electrochemically Stimulated by the Presence of Bacterial Cells □  
Theranostic Approach. *Electroanalysis*, **2014**, 26, 2552-2557 3 29

174 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 6.6 87

173 Disposable amperometric magnetoimmunosensors using nanobodies as biorecognition element.  
Determination of fibrinogen in plasma. *Biosensors and Bioelectronics*, **2014**, 52, 255-60 11.8 34

172 Electrochemical genosensors for the detection of cancer-related miRNAs. *Analytical and  
Bioanalytical Chemistry*, **2014**, 406, 27-33 4.4 57

171 Electrochemical Biosensors for the Determination of Cardiovascular Markers: a Review.  
*Electroanalysis*, **2014**, 26, 1132-1153 3 44

170 Nanoparticle-Modified Electrodes for Sensing **2014**, 47-87

169 Seed-mediated growth of jack-shaped gold nanoparticles from cyclodextrin-coated gold  
nanospheres. *Dalton Transactions*, **2013**, 42, 14309-14 4.3 10

168 Ultrasensitive amperometric magnetoimmunosensor for human C-reactive protein quantification in  
serum. *Sensors and Actuators B: Chemical*, **2013**, 188, 212-220 8.5 56

167 Development of an integrated electrochemical biosensor for sucrose and its implementation in a  
continuous flow system for the simultaneous monitoring of sucrose, fructose and glucose. *Talanta*,  
**2013**, 105, 93-100 6.2 22

166 Gold nanoparticles/carbon nanotubes/ionic liquid microsized paste electrode for the determination  
of cortisol and androsterone hormones. *Journal of Solid State Electrochemistry*, **2013**, 17, 1591-1599 2.6 10

165 Nanostructured rough gold electrodes as platforms to enhance the sensitivity of electrochemical  
genosensors. *Analytica Chimica Acta*, **2013**, 788, 141-7 6.6 16

164 Integrated amperometric affinity biosensors using Co<sup>2+</sup>-tetradentate nitrilotriacetic acid modified  
disposable carbon electrodes: application to the determination of  $\beta$ -lactam antibiotics. *Analytical  
Chemistry*, **2013**, 85, 3246-54 7.8 14

163 Electrochemical Magnetic Immunosensors for the Determination of Ceruloplasmin. *Electroanalysis*,  
**2013**, 25, 2166-2174 3 14

162 Janus Au-mesoporous silica nanoparticles as electrochemical biorecognition-signaling system.  
*Electrochemistry Communications*, **2013**, 30, 51-54 5.1 33

161 An amperometric affinity penicillin-binding protein magnetosensor for the detection of  $\beta$ -lactam  
antibiotics in milk. *Analyst, The*, **2013**, 138, 2013-22 5 27

160 Supramolecular immobilization of glucose oxidase on gold coated with cyclodextrin-modified  
cysteamine core PAMAM G-4 dendron/Pt nanoparticles for mediatorless biosensor design.  
*Analytical and Bioanalytical Chemistry*, **2013**, 405, 3773-81 4.4 19

159 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 6.6 27

158	A disposable electrochemical immunosensor for the determination of leptin in serum and breast milk. <i>Analyst, The</i> , <b>2013</b> , 138, 4284-91	5	18
157	Glucose-triggered release using enzyme-gated mesoporous silica nanoparticles. <i>Chemical Communications</i> , <b>2013</b> , 49, 6391-3	5.8	86
156	Integrated disposable electrochemical immunosensors for the simultaneous determination of sulfonamide and tetracycline antibiotics residues in milk. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 50, 100-5	11.8	87
155	Enzyme-controlled sensing-actuating nanomachine based on Janus Au-mesoporous silica nanoparticles. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 7889-94	4.8	52
154	Crumpled reduced graphene oxide-polyamidoamine dendrimer hybrid nanoparticles for the preparation of an electrochemical biosensor. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2289-2296	7.3	35
153	Determinants of the detection limit and specificity of surface-based biosensors. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 6593-7	7.8	63
152	Label-Free Amperometric Magnetoimmunosensors for Direct Determination of Lactoperoxidase in Milk. <i>Electroanalysis</i> , <b>2013</b> , 25, 967-974	3	2
151	Disposable Electrochemical Magnetoimmunosensor for the Determination of Troponin T Cardiac Marker. <i>Electroanalysis</i> , <b>2013</b> , 25, 51-58	3	22
150	Layer-by-layer supramolecular architecture of cyclodextrin-modified PAMAM dendrimers and adamantane-modified peroxidase on gold surface for electrochemical biosensing. <i>Electrochimica Acta</i> , <b>2012</b> , 76, 249-255	6.7	12
149	Ultrasensitive detection of adrenocorticotropin hormone (ACTH) using disposable phenylboronic-modified electrochemical immunosensors. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 82-86	11.8	58
148	Magnetic Beads-Based Electrochemical Sensors Applied to the Detection and Quantification of Bioterrorism/Biohazard Agents. <i>Electroanalysis</i> , <b>2012</b> , 24, 470-482	3	34
147	Amperometric Magnetoimmunosensors for Direct Determination of D-Dimer in Human Serum. <i>Electroanalysis</i> , <b>2012</b> , 24, 2235-2243	3	46
146	Design and fabrication of a COP-based microfluidic chip: chronoamperometric detection of Troponin T. <i>Electrophoresis</i> , <b>2012</b> , 33, 3187-94	3.6	16
145	Enzyme biosensor for androsterone based on 3 $\beta$ -hydroxysteroid dehydrogenase immobilized onto a carbon nanotubes/ionic liquid/NAD <sup>+</sup> composite electrode. <i>Talanta</i> , <b>2012</b> , 99, 697-702	6.2	26
144	Disposable amperometric magneto-immunosensor for direct detection of tetracyclines antibiotics residues in milk. <i>Analytica Chimica Acta</i> , <b>2012</b> , 737, 29-36	6.6	94
143	Electrochemical immunosensor for rapid and sensitive determination of estradiol. <i>Analytica Chimica Acta</i> , <b>2012</b> , 743, 117-24	6.6	55
142	Disposable and integrated amperometric immunosensor for direct determination of sulfonamide antibiotics in milk. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 36, 81-8	11.8	56
141	Supramolecular immobilization of xanthine oxidase on electropolymerized matrix of functionalized hybrid gold nanoparticles/single-walled carbon nanotubes for the preparation of electrochemical biosensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4312-9	9.5	51

140	Supramolecular immobilization of redox enzymes on cyclodextrin-coated magnetic nanoparticles for biosensing applications. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 386, 181-8	9.3	27
139	CHAPTER 31:Lactose in Milk and Dairy Products: A Focus on Biosensors. <i>Food and Nutritional Components in Focus</i> , <b>2012</b> , 549-569		
138	Electropolymerized network of polyamidoamine dendron-coated gold nanoparticles as novel nanostructured electrode surface for biosensor construction. <i>Analyst, The</i> , <b>2012</b> , 137, 342-8	5	29
137	Multiplexed Ultrasensitive Determination of Adrenocorticotropin and Cortisol Hormones at a Dual Electrochemical Immunosensor. <i>Electroanalysis</i> , <b>2012</b> , 24, 1100-1108	3	20
136	Sensitive and rapid amperometric magnetoimmunosensor for the determination of <i>Staphylococcus aureus</i> . <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 917-25	4.4	53
135	Ultrasensitive determination of human growth hormone (hGH) with a disposable electrochemical magneto-immunosensor. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 939-46	4.4	14
134	Greening Electroanalytical Methods <b>2012</b> , 261-287		2
133	Electrochemical Biosensing of Pathogen Micro-Organisms. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , <b>2012</b> , 119-137	0.1	
132	Designing electrochemical interfaces with functionalized magnetic nanoparticles and wrapped carbon nanotubes as platforms for the construction of high-performance bienzyme biosensors. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 7807-14	7.8	53
131	Decorating carbon nanotubes with polyethylene glycol-coated magnetic nanoparticles for implementing highly sensitive enzyme biosensors. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 12858		43
130	Unravelling the gallic acid degradation pathway in bacteria: the gal cluster from <i>Pseudomonas putida</i> . <i>Molecular Microbiology</i> , <b>2011</b> , 79, 359-74	4.1	58
129	Development of amperometric magnetogenosensors coupled to asymmetric PCR for the specific detection of <i>Streptococcus pneumoniae</i> . <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 2413-20	4.4	28
128	An Electrochemical Immunosensor for Testosterone Using Gold Nanoparticles [Carbon Nanotubes Composite Electrodes. <i>Electroanalysis</i> , <b>2011</b> , 23, 169-176	3	31
127	Immobilization of Xanthine Oxidase on Carbon Nanotubes Through Double Supramolecular Junctions for Biosensor Construction. <i>Electroanalysis</i> , <b>2011</b> , 23, 1790-1796	3	8
126	Electrochemical genosensors based on PCR strategies for microorganisms detection and quantification. <i>Analytical Methods</i> , <b>2011</b> , 3, 780	3.2	30
125	A disposable electrochemical immunosensor for prolactin involving affinity reaction on streptavidin-functionalized magnetic particles. <i>Analytica Chimica Acta</i> , <b>2011</b> , 692, 125-30	6.6	35
124	Wiring horseradish peroxidase on gold nanoparticles-based nanostructured polymeric network for the construction of mediatorless hydrogen peroxide biosensor. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 4672-4677	6.7	50
123	Disposable immunosensor for cortisol using functionalized magnetic particles. <i>Analyst, The</i> , <b>2010</b> , 135, 1926-33	5	39



122	Integrated multienzyme electrochemical biosensors for monitoring malolactic fermentation in wines. <i>Talanta</i> , <b>2010</b> , 81, 925-33	6.2	41
121	An integrated amperometric biosensor for the determination of lactose in milk and dairy products. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 7141-8	5.7	52
120	Amperometric detection at carbon felt electrodes. Application to the determination of nitro musk derivatives and phenolic endocrine disruptors. <i>Analytical Methods</i> , <b>2010</b> , 2, 499	3.2	2
119	Disposable amperometric magnetoimmunosensors for the specific detection of Streptococcus pneumoniae. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 1225-30	11.8	35
118	Half-Wave Potentials of 1-AZA- and 1,8-Diazaanthraquinones. <i>Bulletin Des Sociétés Chimiques Belges</i> , <b>2010</b> , 104, 683-690		3
117	Electrochemical sensing based on carbon nanotubes. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2010</b> , 29, 939-958	11.4	234
116	An electrochemical immunosensor for testosterone using functionalized magnetic beads and screen-printed carbon electrodes. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 517-22	11.8	105
115	Electroanalytical sensors and devices for multiplexed detection of foodborne pathogen microorganisms. <i>Sensors</i> , <b>2009</b> , 9, 5503-20	3.8	56
114	Gold screen-printed-based impedimetric immunobiosensors for direct and sensitive Escherichia coli quantisation. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 3365-71	11.8	80
113	Polyelectrostatic immobilization of gold nanoparticles-modified peroxidase on alginate-coated gold electrode for mediatorless biosensor construction. <i>Journal of Electroanalytical Chemistry</i> , <b>2009</b> , 629, 126-132	4.1	28
112	A gold nanoparticle-modified PVC/TTF-TCNQ composite amperometric biosensor for glucose determination. <i>Journal of Electroanalytical Chemistry</i> , <b>2009</b> , 634, 59-63	4.1	14
111	Microorganisms recognition and quantification by lectin adsorptive affinity impedance. <i>Talanta</i> , <b>2009</b> , 78, 1303-9	6.2	63
110	Ultrasensitive detection of coliforms by means of direct asymmetric PCR combined with disposable magnetic amperometric genosensors. <i>Analyst, The</i> , <b>2009</b> , 134, 34-7	5	21
109	Methods for the preparation of electrochemical composite biosensors based on gold nanoparticles. <i>Methods in Molecular Biology</i> , <b>2009</b> , 504, 157-66	1.4	1
108	Disposable magnetic DNA sensors for the determination at the attomolar level of a specific enterobacteriaceae family gene. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 8239-45	7.8	61
107	A rapid method for detection of catalase-positive and catalase-negative bacteria based on monitoring of hydrogen peroxide evolution at a composite peroxidase biosensor. <i>Talanta</i> , <b>2008</b> , 75, 1134-9	6.2	18
106	Electrochemical immunosensor designs for the determination of Staphylococcus aureus using 3,3-dithiodipropionic acid di(N-succinimidyl ester)-modified gold electrodes. <i>Talanta</i> , <b>2008</b> , 77, 876-881	6.2	33
105	Amperometric IgG Immunosensor using a Tyrosinase-Colloidal Gold-Graphite-Teflon Biosensor as a Transducer. <i>Analytical Letters</i> , <b>2008</b> , 41, 244-259	2.2	8

104	Alcohol dehydrogenase amperometric biosensor based on a colloidal gold-carbon nanotubes composite electrode. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 4007-4012	6.7	65
103	Gold nanoparticle-based electrochemical biosensors. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 5848-5866	6.7	757
102	Amperometric DNA quantification based on the use of peroxidase-mercaptopropionic acid-modified gold electrodes. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 132, 250-257	8.5	12
101	Immunosensor for the determination of Staphylococcus aureus using a tyrosinase-mercaptopropionic acid modified electrode as an amperometric transducer. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 837-45	4.4	46
100	Lectin-modified piezoelectric biosensors for bacteria recognition and quantification. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 1853-60	4.4	86
99	Development of amperometric biosensors using thiolated tetrathiafulvalene-derivatised self-assembled monolayer modified electrodes. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 134, 974-980	8.5	11
98	Bienzyme amperometric biosensor using gold nanoparticle-modified electrodes for the determination of inulin in foods. <i>Analytical Biochemistry</i> , <b>2008</b> , 375, 345-53	3.1	46
97	Integrated multienzyme electrochemical biosensors for the determination of glycerol in wines. <i>Analytica Chimica Acta</i> , <b>2008</b> , 609, 201-9	6.6	30
96	Role of carbon nanotubes in electroanalytical chemistry: a review. <i>Analytica Chimica Acta</i> , <b>2008</b> , 622, 11-47	6.6	418
95	Chapter 13 Application of electrochemical enzyme biosensors for food quality control. <i>Comprehensive Analytical Chemistry</i> , <b>2007</b> , 255-298	1.9	11
94	Integrated electrochemical gluconic acid biosensor based on self-assembled monolayer-modified gold electrodes. Application to the analysis of gluconic acid in musts and wines. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 2109-14	5.7	18
93	An electrochemical method for simultaneous detection and identification of Escherichia coli, Staphylococcus aureus and Salmonella choleraesuis using a glucose oxidase-peroxidase composite biosensor. <i>Analyst, The</i> , <b>2007</b> , 132, 572-8	5	24
92	Adaptive orientation of multifunctional nanowires for magnetic control of bioelectrocatalytic processes. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 1508-11	16.4	38
91	Determination of beta-carboline alkaloids in foods and beverages by high-performance liquid chromatography with electrochemical detection at a glassy carbon electrode modified with carbon nanotubes. <i>Analytica Chimica Acta</i> , <b>2007</b> , 585, 323-30	6.6	37
90	Nanostructured progesterone immunosensor using a tyrosinase-colloidal gold-graphite-Teflon biosensor as amperometric transducer. <i>Analytica Chimica Acta</i> , <b>2007</b> , 596, 86-91	6.6	41
89	Molecularly imprinted polymer solid-phase extraction coupled to square wave voltammetry at carbon fibre microelectrodes for the determination of fenbendazole in beef liver. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 227-34	4.4	26
88	Voltammetry and amperometric detection of tetracyclines at multi-wall carbon nanotube modified electrodes. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 389, 951-8	4.4	74
87	Electrochemical detection of phenolic estrogenic compounds at carbon nanotube-modified electrodes. <i>Talanta</i> , <b>2007</b> , 71, 1031-8	6.2	88

86	DNA sensor based on an Escherichia coli lac Z gene probe immobilization at self-assembled monolayers-modified gold electrodes. <i>Talanta</i> , <b>2007</b> , 73, 838-44	6.2	38
85	Electrochemical determination of homocysteine at a gold nanoparticle-modified electrode. <i>Talanta</i> , <b>2007</b> , 74, 412-20	6.2	61
84	Bioelectrochemical evaluation of the total phenols content in olive oil mill wastewaters using a tyrosinase colloidal gold-graphite-Teflon biosensor. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2007</b> , 87, 57-65	1.8	4
83	Design of a Low-Cost Portable Potentiostat for Amperometric Biosensors. <i>Conference Record - IEEE Instrumentation and Measurement Technology Conference</i> , <b>2006</b> ,		12
82	Electrochemical estimation of the polyphenol index in wines using a laccase biosensor. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 7960-7	5.7	74
81	Tetrathiafulvalene thiolated derivatives self-assembled monolayers as platforms for the construction of electrochemical biosensors. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 299-304	5.1	8
80	Development of a high analytical performance-tyrosinase biosensor based on a composite graphite-Teflon electrode modified with gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2006</b> , 22, 730-6	11.8	100
79	A method for the quantification of low concentration sulfamethazine residues in milk based on molecularly imprinted clean-up and surface preconcentration at a Nafion-modified glassy carbon electrode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 40, 281-6	3.5	29
78	Amperometric biosensor for hypoxanthine based on immobilized xanthine oxidase on nanocrystal gold-carbon paste electrodes. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 113, 272-280	8.5	106
77	Characterization of alkanethiol-self-assembled monolayers-modified gold electrodes by electrochemical impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , <b>2006</b> , 586, 112-121	4.1	143
76	A peroxidase-tetrathiafulvalene biosensor based on self-assembled monolayer modified Au electrodes for the flow-injection determination of hydrogen peroxide. <i>Talanta</i> , <b>2005</b> , 66, 1310-9	6.2	62
75	In-a-day electrochemical detection of coliforms in drinking water using a tyrosinase composite biosensor. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 8115-21	7.8	58
74	A comparison of different strategies for the construction of amperometric enzyme biosensors using gold nanoparticle-modified electrodes. <i>Analytical Biochemistry</i> , <b>2005</b> , 336, 20-7	3.1	149
73	Rapid voltammetric determination of nitroaromatic explosives at electrochemically activated carbon-fibre electrodes. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 382, 381-7	4.4	49
72	Gold nanoparticle-based electrochemical biosensors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 382, 884-6	4.4	157
71	Rapid and highly sensitive electrochemical determination of alkaline phosphatase using a composite tyrosinase biosensor. <i>Analytical Biochemistry</i> , <b>2005</b> , 336, 289-94	3.1	61
70	Development of a DNA Sensor Based on Alkanethiol Self- Assembled Monolayer-Modified Electrodes. <i>Sensors</i> , <b>2005</b> , 5, 344-363	3.8	27
69	Determination of l-lactic acid in yoghurt by a bienzyme amperometric graphite-Teflon composite biosensor. <i>European Food Research and Technology</i> , <b>2004</b> , 219, 557-560	3.4	21

68	An integrated bienzyme glucose oxidase-fructose dehydrogenase-tetrathiafulvalene-3-mercaptopropionic acid-gold electrode for the simultaneous determination of glucose and fructose. <i>Bioelectrochemistry</i> , <b>2004</b> , 63, 199-206	5.6	35
67	Voltammetric Behavior and Determination by Flow Injection with Amperometric Detection of Benzimidazoles. <i>Analytical Letters</i> , <b>2004</b> , 37, 65-79	2.2	8
66	Development and Characterization of Colloidal Gold-Cysteamine-Carbon Paste Electrodes. <i>Analytical Letters</i> , <b>2004</b> , 37, 887-902	2.2	17
65	Amperometric multidetection with composite enzyme electrodes. <i>Talanta</i> , <b>2004</b> , 62, 896-903	6.2	31
64	Colloidal-gold cysteamine-modified carbon paste electrodes as suitable electrode materials for the electrochemical determination of sulphur-containing compounds Application to the determination of methionine. <i>Talanta</i> , <b>2004</b> , 64, 1041-7	6.2	59
63	Flow Injection Amperometric Detection of Phenolic Compounds at Enzyme Composite Biosensors Application to Their Monitoring During Industrial Waste Waters Purification Processes. <i>Analytical Letters</i> , <b>2003</b> , 36, 1965-1986	2.2	7
62	Molecularly imprinted polymers for on-line clean up and preconcentration of chloramphenicol prior to its voltammetric determination. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 376, 18-25	4.4	40
61	An integrated electrochemical fructose biosensor based on tetrathiafulvalene-modified self-assembled monolayers on gold electrodes. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 377, 600-7	4.4	29
60	Amperometric flow-injection determination of phenolic compounds at self-assembled monolayer-based tyrosinase biosensors. <i>Analytica Chimica Acta</i> , <b>2003</b> , 494, 187-197	6.6	118
59	Flow injection and HPLC determination of furosemide using pulsed amperometric detection at microelectrodes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2003</b> , 33, 923-33	3.5	27
58	Graphite-Teflon composite bienzyme amperometric biosensors for monitoring of alcohols. <i>Biosensors and Bioelectronics</i> , <b>2003</b> , 18, 1279-88	11.8	55
57	Characterisation of horseradish peroxidase immobilisation on an electrochemical biosensor by colorimetric and amperometric techniques. <i>Biosensors and Bioelectronics</i> , <b>2003</b> , 18, 715-20	11.8	35
56	Composite electrochemical biosensors: a comparison of three different electrode matrices for the construction of amperometric tyrosinase biosensors. <i>Biosensors and Bioelectronics</i> , <b>2002</b> , 17, 217-26	11.8	68
55	Preparation, characterization and application of alkanethiol self-assembled monolayers modified with tetrathiafulvalene and glucose oxidase at a gold disk electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2002</b> , 526, 92-100	4.1	96
54	RETICULATED VITREOUS CARBON-BASED COMPOSITE BIENZYME ELECTRODES FOR THE DETERMINATION OF ALCOHOLS IN BEER SAMPLES. <i>Analytical Letters</i> , <b>2002</b> , 35, 1931-1944	2.2	14
53	Carbon fiber cylindrical microelectrode-based detector for the determination of antithyroid drugs. <i>Talanta</i> , <b>2002</b> , 56, 577-84	6.2	9
52	Design of a composite amperometric enzyme electrode for the control of the benzoic acid content in food. <i>Talanta</i> , <b>2002</b> , 57, 1189-98	6.2	47
51	Ruthenium and ruthenium dioxide-modified graphite-ethylene/ propylene/diene and graphite-teflon composite electrodes as amperometric flow detectors. Application to the determination of methionine. <i>FreseniusJournal of Analytical Chemistry</i> , <b>2001</b> , 371, 507-13		6

50	Chiral analysis of amino acids using electrochemical composite bienzyme biosensors. <i>Analytical Biochemistry</i> , <b>2001</b> , 298, 275-82	3.1	80
49	Graphite-Teflon-Peroxidase Composite Electrochemical Biosensors. A Tool for the Wide Detection of Phenolic Compounds. <i>Electroanalysis</i> , <b>2001</b> , 13, 693-700	3	47
48	Electrochemical Determination of Chlorophenols at Microcylinder Poly(3-methylthiophene) Modified Electrodes Based on a Previous Chemical Oxidation Using Bis(trifluoroacetoxy)iodobenzene. <i>Electroanalysis</i> , <b>2001</b> , 13, 1231-1236	3	7
47	Voltammetric Determination of Methylthiouracil in Animal Feed Using Carbon Fiber Microelectrodes. <i>Electroanalysis</i> , <b>2001</b> , 13, 1301-1304	3	4
46	Graphite-teflon composite bienzyme electrodes for the determination of cholesterol in reversed micelles. Application to food samples. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 1190-5	7.8	65
45	Determination of the herbicide desmetryne in organised media by adsorptive stripping voltammetry. <i>Talanta</i> , <b>2001</b> , 53, 991-1000	6.2	9
44	Determination of micromolar bromate concentrations by adsorptive-catalytic stripping votammetry of the molybdenum-3-methoxy-4-hydroxymandelic acid complex. <i>Talanta</i> , <b>2001</b> , 54, 147-51	6.2	19
43	Oil-in-water emulsions as suitable working media for the direct polarographic determination of aziprotryne and desmetryne from its organic extracts in water samples. <i>FreseniusJournal of Analytical Chemistry</i> , <b>2000</b> , 367, 454-60		4
42	Determination of styrene and styrene additives using cylindrical microelectrodes in acetone. <i>Analyst, The</i> , <b>2000</b> , 125, 2006-2010	5	5
41	Graphite-Teflon composite bienzyme electrodes for the determination of L-lactate: application to food samples. <i>Biosensors and Bioelectronics</i> , <b>1999</b> , 14, 505-13	11.8	74
40	Reticulated Vitreous Carbon-Based Composite Enzyme Electrodes as Suitable Biosensors in Both Aqueous and Predominantly Nonaqueous Media. <i>Electroanalysis</i> , <b>1999</b> , 11, 85-92	3	7
39	Graphite-Ethylene/Propylene/Diene Terpolymer Composite Electrodes. A New Electrode Material for Electrochemical Detection. <i>Electroanalysis</i> , <b>1999</b> , 11, 161-166	3	4
38	Determination of Phenolic Antioxidants by HPLC with Amperometric Detection at a Nickel Phthalocyanine Polymer Modified Electrode. <i>Electroanalysis</i> , <b>1999</b> , 11, 470-474	3	46
37	Microcylinder Polymer Modified Electrodes as Amperometric Detectors for Liquid Chromatographic Analysis of Catecholamines. <i>Electroanalysis</i> , <b>1999</b> , 11, 1333-1339	3	30
36	Critical Comparison of Paraffin Carbon Paste and Graphite-Poly(tetrafluoroethylene) Composite Electrodes Concerning the Electroanalytical Behavior of Various Antioxidants of Different Hydrophobicity. <i>Electroanalysis</i> , <b>1998</b> , 10, 33-38	3	17
35	Development of a bienzymic graphiteTeflon composite electrode for the determination of hypoxanthine in fish. <i>Analyst, The</i> , <b>1998</b> , 123, 371-377	5	32
34	Amperometric Biosensors in Reversed Micelles <b>1998</b> , 305-316		
33	Graphite-Poly(tetrafluoroethylene) Composite Enzyme Electrodes as Suitable Biosensors in Predominantly Nonaqueous Media. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 3521-6	7.8	24

32	Sol-gel carbon composite electrode as an amperometric detector for liquid chromatography. <i>Talanta</i> , <b>1997</b> , 44, 1929-34	6.2	37
31	Reactivities of organic phase biosensors. 2. The amperometric behaviour of horseradish peroxidase immobilised on a platinum electrode modified with an electrosynthetic polyaniline film. <i>Biosensors and Bioelectronics</i> , <b>1997</b> , 12, 749-761	11.8	92
30	Analytical applications of poly(3-methylthiophene)-coated cylindrical carbon fiber microelectrodes. <i>Electroanalysis</i> , <b>1997</b> , 9, 468-473	3	16
29	Sol-gel-derived cobalt phthalocyanine-dispersed carbon composite electrodes for electrocatalysis and amperometric flow detection. <i>Electroanalysis</i> , <b>1997</b> , 9, 908-911	3	52
28	Graphite-teflon-peroxidase composite electrodes. Application to the direct determination of glucose in musts and wines. <i>Electroanalysis</i> , <b>1997</b> , 9, 1113-1119	3	34
27	HPLC-Electrochemical detection with graphite-poly (tetrafluoroethylene) electrode Determination of the fungicides thiram and disulfiram. <i>Talanta</i> , <b>1996</b> , 43, 1341-8	6.2	42
26	Electrochemical activation of screen-printed carbon strips. <i>Analyst, The</i> , <b>1996</b> , 121, 345	5	135
25	Development of an amperometric enzyme biosensor for the determination of the antioxidant tert-butylhydroxyanisole in a medium of reversed micelles. <i>Electroanalysis</i> , <b>1996</b> , 8, 529-533	3	14
24	Determination of propazine by differential pulse polarography in micellar and emulsified media. <i>Mikrochimica Acta</i> , <b>1995</b> , 120, 339-349	5.8	0
23	Analytical Applications of Cylindrical Carbon Fiber Microelectrodes. Simultaneous Voltammetric Determination of Phenolic Antioxidants in Food. <i>Analytical Chemistry</i> , <b>1995</b> , 67, 2195-2200	7.8	43
22	Adsorptive stripping voltammetry in dispersed media. Application to the determination of the herbicide terbutryn. <i>Electroanalysis</i> , <b>1995</b> , 7, 644-648	3	8
21	Voltammetric determination of the antioxidant tert-butylhydroxytoluene (BHT) at a carbon paste electrode modified with nickel phthalocyanine. <i>Electroanalysis</i> , <b>1994</b> , 6, 475-479	3	11
20	Electroanalytical study of the antioxidant tert-butylhydroquinone (TBHQ) in an oil-in-water emulsified medium. <i>Electroanalysis</i> , <b>1994</b> , 6, 1014-1019	3	16
19	Determination of dinoseb by adsorptive stripping voltammetry using a mercury film electrode. <i>FreseniusJournal of Analytical Chemistry</i> , <b>1994</b> , 349, 546-551		6
18	Catalytic-voltammetric determination of the antioxidant tert-butylhydroxyanisole (BHA) at a nickel phthalocyanine modified carbon paste electrode. <i>Talanta</i> , <b>1994</b> , 41, 289-94	6.2	18
17	Development of an amperometric biosensor for the determination of phenolic compounds in reversed micelles. <i>Talanta</i> , <b>1994</b> , 41, 455-9	6.2	25
16	Determination of methoprotryne and terbutryn by adsorptive stripping voltammetry on the hanging mercury drop electrode. <i>Analyst, The</i> , <b>1993</b> , 118, 1405-1410	5	17
15	Application of partial least-squares regression to the suitability of multicomponent polarographic determination of organochlorine pesticides in emulsified medium. <i>Electroanalysis</i> , <b>1993</b> , 5, 303-309	3	20

14	Syntheses, electrochemistry and molecular modeling of N,N'-dicyanoquinonediimine (DCNQI) derivatives of substituted 1,4-anthracenediones: precursors for organic metals.. <i>Tetrahedron</i> , <b>1993</b> , 49, 4881-4892	2.4	14
13	Novel .pi.-extended thiophene-fused electron acceptors for organic metals. <i>Journal of Organic Chemistry</i> , <b>1992</b> , 57, 6192-6198	4.2	45
12	Determination of 2,4-dimethylphenol by anodic voltammetry and flow injection with amperometric detection at a glassy carbon electrode. <i>Analyst, The</i> , <b>1992</b> , 117, 1919-1923	5	4
11	Differential pulse polarographic study of the hydrolysis of endosulfan and endosulfan sulphate in emulsified medium. Application to the determination of binary mixtures of organochlorine pesticides. <i>Talanta</i> , <b>1992</b> , 39, 899-906	6.2	12
10	Determination of organochlorine pesticides by polarography in emulsified medium. <i>Electroanalysis</i> , <b>1992</b> , 4, 111-120	3	15
9	Determination of Dinoseb by adsorptive stripping voltammetry. <i>Electroanalysis</i> , <b>1991</b> , 3, 419-422	3	10
8	Electroanalytical study of pirimicarb by anodic voltammetry at a glassy carbon electrode in aqueous and acetonitrile media. <i>Electroanalysis</i> , <b>1990</b> , 2, 493-497	3	4
7	Electrochemical Intercalation of Lithium into Transition Metal Compounds in Low Temperature Chloroaluminate Melts. <i>Journal of the Electrochemical Society</i> , <b>1984</b> , 131, 2274-2279	3.9	16
6	Applications of Graphene Electrodes in Health and Environmental Monitoring361-392		
5	Electroanalysis and Food Analysis1-20		
4	Phage-Derived and Aberrant HaloTag Peptides Immobilized on Magnetic Microbeads for Amperometric Biosensing of Serum Autoantibodies and Alzheimer's Disease Diagnosis. <i>Analysis &amp; Sensing</i> ,		2
3	Electrochemical immunosensing of Growth arrest-specific 6 in human plasma and tumor cell secretomes. <i>Electrochemical Science Advances</i> ,e2100096		1
2	Contemporary electrochemical sensing and affinity biosensing to assist traces metal ions determination in clinical samples. <i>Electrochemical Science Advances</i> ,e2100144		
1	Empowering Electrochemical Biosensing through Nanostructured or Multifunctional Nucleic Acid or Peptide Biomaterials. <i>Advanced Materials Technologies</i> ,2200310	6.8	1