

Marco Giannetto

List of Publications by Year in descending order

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61
papers

1,478
citations

257450

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345221

36
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63
all docs

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docs citations

63
times ranked

2195
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamer-based assays: strategies in the use of aptamers conjugated to magnetic micro- and nanobeads as recognition elements in food control. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 63-74.	3.7	9
2	Controlling Dynamic DNA Reactions at the Surface of Single-Walled Carbon Nanotube Electrodes to Design Hybridization Platforms with a Specific Amperometric Readout. <i>Analytical Chemistry</i> , 2022, 94, 5075-5083.	6.5	5
3	A Folding-Based Electrochemical Aptasensor for the Single-Step Detection of the SARS-CoV-2 Spike Protein. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19204-19211.	8.0	42
4	Rapid Quantification of SARS-Cov-2 Spike Protein Enhanced with a Machine Learning Technique Integrated in a Smart and Portable Immunosensor. <i>Biosensors</i> , 2022, 12, 426.	4.7	9
5	PNA-functionalized magnetic microbeads as substrates for enzyme-labelled voltammetric genoassay for DNA sensing applied to identification of GMO in food. <i>Analytica Chimica Acta</i> , 2021, 1153, 338297.	5.4	6
6	IoT and Biosensors: A Smart Portable Potentiostat With Advanced Cloud-Enabled Features. <i>IEEE Access</i> , 2021, 9, 141544-141554.	4.2	16
7	A Wi-Fi Cloud-Based Portable Potentiostat for Electrochemical Biosensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 3232-3240.	4.7	33
8	Ion selective textile organic electrochemical transistor for wearable sweat monitoring. <i>Organic Electronics</i> , 2020, 78, 105579.	2.6	57
9	Electrochemical immunomagnetic assay as biosensing strategy for determination of ovarian cancer antigen HE4 in human serum. <i>Talanta</i> , 2020, 217, 120991.	5.5	11
10	A Self-Calibrating IoT Portable Electrochemical Immunosensor for Serum Human Epididymis Protein 4 as a Tumor Biomarker for Ovarian Cancer. <i>Sensors</i> , 2020, 20, 2016.	3.8	20
11	Single-Walled Carbon Nanotubes as Enhancing Substrates for PNA-Based Amperometric Genosensors. <i>Sensors</i> , 2019, 19, 588.	3.8	15
12	Novel amperometric genosensor based on peptide nucleic acid (PNA) probes immobilized on carbon nanotubes-screen printed electrodes for the determination of trace levels of non-amplified DNA in genetically modified (GM) soy. <i>Biosensors and Bioelectronics</i> , 2019, 129, 7-14.	10.1	34
13	Superhydrophobic lab-on-chip measures secretome protonation state and provides a personalized risk assessment of sporadic tumour. <i>Npj Precision Oncology</i> , 2018, 2, 26.	5.4	20
14	Low-Cost Strategy for the Development of a Rapid Electrochemical Assay for Bacteria Detection Based on AuAg Nanoshells. <i>ACS Omega</i> , 2018, 3, 18849-18856.	3.5	31
15	Analytical systems and metrological traceability of measurement data in food control assessment. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 107, 142-150.	11.4	23
16	An integrated IoT-Wi-Fi board for remote data acquisition and sharing from innovative immunosensors. Case of study: Diagnosis of celiac disease. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1395-1403.	7.8	29
17	Sensing of halogenated aromatic hydrocarbons in water with a cavitand coated piezoelectric device. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 340-348.	7.8	10
18	Innovative gold-free carbon nanotube/chitosan-based competitive immunosensor for determination of HIV-related p24 capsid protein in serum. <i>RSC Advances</i> , 2017, 7, 39970-39976.	3.6	9

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19	Competitive amperometric immunosensor for determination of p53 protein in urine with carbon nanotubes/gold nanoparticles screen-printed electrodes: A potential rapid and noninvasive screening tool for early diagnosis of urinary tract carcinoma. <i>Analytica Chimica Acta</i> , 2017, 991, 133-141.	5.4	45
20	Competitive immunosensor based on gliadin immobilization on disposable carbon-nanogold screen-printed electrodes for rapid determination of celiotoxic prolamins. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7289-7298.	3.7	26
21	Electrochemical decompatibilisation leads to morphology rearrangements in host-guest polymer blend films. <i>Soft Matter</i> , 2016, 12, 5353-5358.	2.7	3
22	Chemical sensing: from new materials to in vivo applications. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7229-7230.	3.7	0
23	Turning Liquid Propofol into Solid (without Freezing It): Thermodynamic Characterization of Pharmaceutical Cocrystals Built with a Liquid Drug. <i>Crystal Growth and Design</i> , 2016, 16, 6547-6555.	3.0	20
24	<i>Acartia tonsa</i> eggs as a biomonitor to evaluate bioavailability/toxicity of persistent contaminants in anoxic/sulfidic conditions: The case of cadmium and nickel. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 1-8.	6.0	3
25	Multiplex liquid chromatography-tandem mass spectrometry for the detection of wheat, oat, barley and rye prolamins towards the assessment of gluten-free product safety. <i>Analytica Chimica Acta</i> , 2015, 895, 62-70.	5.4	50
26	Reliability of the TTC approach: Learning from inclusion of pesticide active substances in the supporting database. <i>Food and Chemical Toxicology</i> , 2015, 75, 24-38.	3.6	24
27	An amperometric immunosensor for diagnosis of celiac disease based on covalent immobilization of open conformation tissue transglutaminase for determination of anti-tTG antibodies in human serum. <i>Biosensors and Bioelectronics</i> , 2014, 62, 325-330.	10.1	31
28	Advances in molecular analysis of biomarkers for autoimmune and carcinogenic diseases. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 15-20.	3.7	6
29	Piezoelectric immunosensor based on antibody recognition of immobilized open-tissue transglutaminase: An innovative perspective on diagnostic devices for celiac disease. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 300-307.	7.8	15
30	New competitive dendrimer-based and highly selective immunosensor for determination of atrazine in environmental, feed and food samples: The importance of antibody selectivity for discrimination among related triazinic metabolites. <i>Analytica Chimica Acta</i> , 2014, 806, 197-203.	5.4	37
31	Anion transport across phospholipid bilayers promoted by a guanidinium calix[4]arene conjugate. <i>Supramolecular Chemistry</i> , 2013, 25, 631-640.	1.2	20
32	Competitive amperometric immunosensor based on covalent linking of a protein conjugate to dendrimer-functionalised nanogold substrate for the determination of 2,4,6-trinitrotoluene. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 737-743.	3.7	17
33	Solid-phase microextraction of 2,4,6-trinitrotoluene using a molecularly imprinted-based fiber. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2411-2418.	3.7	19
34	New amperometric immunosensor with response enhanced by PAMAM-dendrimers linked via self assembled monolayers for determination of alpha-fetoprotein in human serum. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 185-192.	7.8	39
35	A voltammetric immunosensor based on nanobiocomposite materials for the determination of alpha-fetoprotein in serum. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2232-2236.	10.1	63
36	Composite PEDOT/Au Nanoparticles Modified Electrodes for Determination of Mercury at Trace Levels by Anodic Stripping Voltammetry. <i>Electroanalysis</i> , 2011, 23, 456-462.	2.9	31

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37	Synthesis, characterization and deepening in the comprehension of the biological action mechanisms of a new nickel complex with antiproliferative activity. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 666-677.	3.5	95
38	Novel coating for solid-phase microextraction: Electropolymerization of a molecular receptor functionalized with 2,2'-bithiophene for the determination of environmental pollutants at trace levels. <i>Journal of Chromatography A</i> , 2009, 1216, 3725-3730.	3.7	40
39	Very fast CO ₂ response and hydrophobic properties of novel poly(ionic liquid)s. <i>Journal of Materials Chemistry</i> , 2009, 19, 8861.	6.7	48
40	New membrane electrodes based on a functionalized tetraphenylborate covalently bound to the polymeric backbone. <i>Sensors and Actuators B: Chemical</i> , 2008, 133, 235-240.	7.8	1
41	CuI Complexes with N,N'-S,S'-Scorpionate Ligands: Evidence for Dimer \rightleftharpoons Monomer Equilibria. <i>Inorganic Chemistry</i> , 2008, 47, 2223-2232.	4.0	19
42	Thioamido Coordination in a Thioxo-1,2,4-triazole Copper(II) Complex Enhances Nonapoptotic Programmed Cell Death Associated with Copper Accumulation and Oxidative Stress in Human Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1916-1924.	6.4	71
43	A Ligand-Driven Geometry Switch in Octahedral and Trigonal-Bipyramidal Iron Complexes Containing (H)PNO and PNN Ligands. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 162-171.	2.0	14
44	Multivariate calibration on NIR data: Development of a model for the rapid evaluation of ethanol content in bakery products. <i>Analytica Chimica Acta</i> , 2007, 603, 8-12.	5.4	8
45	Potentialities of a modified QCM sensor for the detection of analytes interacting via H-bonding and application to the determination of ethanol in bread. <i>Sensors and Actuators B: Chemical</i> , 2007, 125, 321-325.	7.8	20
46	Optimization of the DPV potential waveform for determination of ascorbic acid on PEDOT-modified electrodes. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 430-435.	7.8	71
47	New selective gas sensor based on piezoelectric quartz crystal modified by electropolymerization of a molecular receptor functionalised with 2,2'-bithiophene. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 62-68.	7.8	22
48	Electrochemically induced derivatization of poly(2,2'-bithiophene) and characterization of functionalized polymers by FT-IR microscopy, SEM microanalysis and EQCM. <i>Journal of Electroanalytical Chemistry</i> , 2005, 575, 257-266.	3.8	4
49	Analysis of Voltammetric Data for the Evaluation of Seasonal Changes of the Ni, Cd, Pb and Cu Content in Atmospheric Particulate PM _{2.5} . <i>Annali Di Chimica</i> , 2005, 95, 857-865.	0.6	2
50	Synthesis, Structure, and Electrochemical Properties of Copper(I) Complexes with S/N Homoscorpionate and Heteroscorpionate Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 4333-4345.	4.0	28
51	Extraction of Electrolytes from Aqueous Solutions and Their Spectrophotometric Determination by Use of Acid-Base Chromoionophores in Lipophylic Solvents. <i>Annali Di Chimica</i> , 2004, 94, 245-255.	0.6	0
52	Synthesis, structure and electrochemical properties of a nickel complex with the hydrotris[thioxotriazolyl-3-(2-pyridyl)]borate podand ligand. <i>Polyhedron</i> , 2004, 23, 1829-1835.	2.2	7
53	Potentiometric Determination of Non-Ionic Surfactants by Liquid Membrane Electrodes. <i>Electroanalysis</i> , 2003, 15, 1598-1605.	2.9	4
54	Effect of lipophylic salts on ise detection limit: application to calixarene-based highly efficient potassium-selective electrodes. <i>Annali Di Chimica</i> , 2002, 92, 1099-107.	0.6	0

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55	Calixarene-Poly(dithiophene)-Based Chemically Modified Electrodes. Chemistry - A European Journal, 2001, 7, 3354-3362.	3.3	31
56	A novel approach for the determination of the total concentration of acids in aqueous solutions by simultaneous diffusion limited current for reduction of acids and pH measurements. Analytica Chimica Acta, 2001, 432, 27-37.	5.4	12
57	Development of Latent Fingerprints on Metallic Surfaces Using Electropolymerization Processes. Journal of Forensic Sciences, 2001, 46, 871-877.	1.6	46
58	Development of latent fingerprints on metallic surfaces using electropolymerization processes. Journal of Forensic Sciences, 2001, 46, 871-7.	1.6	6
59	Electropolymerization of Tetrakis(o-aminophenyl)porphyrin and Relevant Transition Metal Complexes from Aqueous Solution. The Resulting Modified Electrodes as Potentiometric Sensors. Electroanalysis, 1999, 11, 565-572.	2.9	53
60	Chemical Modifications of Furan-Based Calixarenes by Diels-Alder Reactions. Chemistry - A European Journal, 1999, 5, 356-368.	3.3	16
61	Discrimination between Butylammonium Isomers by Calix[5]arene-Based ISEs. Analytical Chemistry, 1998, 70, 4631-4635.	6.5	31