

# Marco Giannetto

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,478  
citations

257450

24  
h-index

345221

36  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2195  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Ion selective textile organic electrochemical transistor for wearable sweat monitoring. <i>Organic Electronics</i> , 2020, 78, 105579.	2.6	57
6	Electropolymerization of Tetrakis(o-aminophenyl)porphyrin and Relevant Transition Metal Complexes from Aqueous Solution. The Resulting Modified Electrodes as Potentiometric Sensors. <i>Electroanalysis</i> , 1999, 11, 565-572.	2.9	53
7	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
8	Very fast CO <sub>2</sub> response and hydrophobic properties of novel poly(ionic liquid)s. <i>Journal of Materials Chemistry</i> , 2009, 19, 8861.	6.7	48
9	Development of Latent Fingerprints on Metallic Surfaces Using Electropolymerization Processes. <i>Journal of Forensic Sciences</i> , 2001, 46, 871-877.	1.6	46
10	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
11	A Folding-Based Electrochemical Aptasensor for the Single-Step Detection of the SARS-CoV-2 Spike Protein. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19204-19211.	8.0	42
12	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
13	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
14	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
15	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
16	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
17	Discrimination between Butylammonium Isomers by Calix[5]arene-Based ISEs. <i>Analytical Chemistry</i> , 1998, 70, 4631-4635.	6.5	31
18	Calixarene-Poly(dithiophene)-Based Chemically Modified Electrodes. <i>Chemistry - A European Journal</i> , 2001, 7, 3354-3362.	3.3	31

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Anion transport across phospholipid bilayers promoted by a guanidinium calix[4]arene conjugate. <i>Supramolecular Chemistry</i> , 2013, 25, 631-640.	1.2	20
30	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
31	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
32	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
33	CuI Complexes with N,N'-S,S'-Scorpionate Ligands: Evidence for Dimer~Monomer Equilibria. <i>Inorganic Chemistry</i> , 2008, 47, 2223-2232.	4.0	19
34	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
35	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
36	Chemical Modifications of Furan-Based Calixarenes by Diels-Alder Reactions. <i>Chemistry - A European Journal</i> , 1999, 5, 356-368.	3.3	16

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37	IoT and Biosensors: A Smart Portable Potentiostat With Advanced Cloud-Enabled Features. <i>IEEE Access</i> , 2021, 9, 141544-141554.	4.2	16
38	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
39	Single-Walled Carbon Nanotubes as Enhancing Substrates for PNA-Based Amperometric Genosensors. <i>Sensors</i> , 2019, 19, 588.	3.8	15
40	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
41	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. <i>Analytica Chimica Acta</i> , 2001, 432, 27-37.	5.4	12
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	Advances in molecular analysis of biomarkers for autoimmune and carcinogenic diseases. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 15-20.	3.7	6
50	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
51	Development of latent fingerprints on metallic surfaces using electropolymerization processes. <i>Journal of Forensic Sciences</i> , 2001, 46, 871-7.	1.6	6
52	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
53	Potentiometric Determination of Non-Ionic Surfactants by Liquid Membrane Electrodes. <i>Electroanalysis</i> , 2003, 15, 1598-1605.	2.9	4
54	Electrochemically induced derivatization of poly(2,2â€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

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55	Electrochemical decompatibilisation leads to morphology rearrangements in host-guest polymer blend films. <i>Soft Matter</i> , 2016, 12, 5353-5358.	2.7	3
56	<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
57	Analysis of Voltammetric Data for the Evaluation of Seasonal Changes of the Ni, Cd, Pb and Cu Content in Atmospheric Particulate PM2.5. <i>Annali Di Chimica</i> , 2005, 95, 857-865.	0.6	2
58	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
59	Extraction of Electrolytes from Aqueous Solutions and Their Spectrophotometric Determination by Use of Acid-Base Chromoionophores in Lipophilic Solvents. <i>Annali Di Chimica</i> , 2004, 94, 245-255.	0.6	0
60	Chemical sensing: from new materials to in vivo applications. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7229-7230.	3.7	0
61	Effect of lipophilic salts on the detection limit: application to calixarene-based highly efficient potassium-selective electrodes. <i>Annali Di Chimica</i> , 2002, 92, 1099-1107.	0.6	0