

Gabriele Favero

List of Publications by Year in Descending Order

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

116
papers

2,546
citations

32
h-index

44
g-index

128
ext. papers

2,813
ext. citations

4.9
avg, IF

4.95
L-index

#	Paper	IF	Citations
116	Label-free magnetic nanoparticles-based electrochemical immunosensor for atrazine detection.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 414, 2055	4.4	1
115	Phthalate esters (PAEs) concentration pattern reflects dietary habitats ($\delta^{13}C$) in blood of Mediterranean loggerhead turtles (<i>Caretta caretta</i>). <i>Ecotoxicology and Environmental Safety</i> , 2022 , 239, 113619	7	1
114	Natural based products for cleaning copper and copper alloys artefacts. <i>Natural Product Research</i> , 2021 , 1-8	2.3	0
113	Fast and Reliable Determination of Phthalic Acid Esters in the Blood of Marine Turtles by Means of Solid Phase Extraction Coupled with Gas Chromatography-Ion Trap/Mass Spectrometry. <i>Toxics</i> , 2021 , 9,	4.7	2
112	Single-Sided Portable NMR Investigation to Assess and Monitor Cleaning Action of PVA-Borax Hydrogel in Travertine and Lecce Stone. <i>Molecules</i> , 2021 , 26,	4.8	2
111	Highly Sensitive Hydrogen Peroxide Biosensor Based on Tobacco Peroxidase Immobilized on p-Phenylenediamine Diazonium Cation Grafted Carbon Nanotubes: Preventing Fenton-like Inactivation at Negative Potential. <i>ChemElectroChem</i> , 2021 , 8, 2495-2504	4.3	0
110	Lime Production in the Late Chalcolithic Period: The Case of Arslantepe (Eastern Anatolia). <i>Heritage</i> , 2021 , 4, 91-104	1.6	2
109	Nanostructure-Based Electrochemical Immunosensors as Diagnostic Tools. <i>Electrochem</i> , 2021 , 2, 10-28	2.9	7
108	An integrated approach to the recovery of travertine biodegradation by combining phyto-cleaning with genomic characterization. <i>Microchemical Journal</i> , 2020 , 156, 104918	4.8	8
107	Phytochemical Compounds as Cleaning Agents on Granite Colonized by Phototrophic Subaerial Biofilms. <i>Coatings</i> , 2020 , 10, 295	2.9	10
106	Multi-residue Ultra Performance Liquid Chromatography-High resolution mass spectrometric method for the analysis of 21 cyanotoxins in surface water for human consumption. <i>Talanta</i> , 2020 , 211, 120738	6.2	8
105	Site-Directed Antibody Immobilization by Resorc[4]arene-Based Immunosensors. <i>Chemistry - A European Journal</i> , 2020 , 26, 8400-8406	4.8	4
104	Evaluation of different storage processes of passion fruit (<i>Passiflora edulis</i> Sims) using a new dual biosensor platform based on a conducting polymer. <i>Microchemical Journal</i> , 2020 , 154, 104573	4.8	3
103	An ultra performance liquid chromatography coupled with high resolution mass spectrometry method for the screening of cyanotoxins content in drinking water samples. <i>MethodsX</i> , 2020 , 7, 101001	1.9	
102	A glucose/oxygen enzymatic fuel cell exceeding 1.5V based on glucose dehydrogenase immobilized onto polyMethylene blue-carbon nanotubes modified double-sided screen printed electrodes: Proof-of-concept in human serum and saliva. <i>Journal of Power Sources</i> , 2020 , 476, 228615	8.9	8
101	Crossing VIMP and EIS for studying heterogeneous sets of copper/bronze coins. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 771-781	2.6	6
100	PVA hydrogel as polymer electrolyte for electrochemical impedance analysis on archaeological metals. <i>Journal of Cultural Heritage</i> , 2019 , 37, 113-120	2.9	9

99	Application of microemulsions for the removal of synthetic resins from paintings on canvas. <i>Natural Product Research</i> , 2019 , 33, 1015-1025	2.3	4
98	Dating Archaeological Strata in the Magna Mater Temple Using Solid-state Voltammetric Analysis of Leaded Bronze Coins. <i>Electroanalysis</i> , 2018 , 30, 361-370	3	18
97	Aqueous polythiophene electrosynthesis: A new route to an efficient electrode coupling of PQQ-dependent glucose dehydrogenase for sensing and bioenergetic applications. <i>Biosensors and Bioelectronics</i> , 2018 , 112, 8-17	11.8	21
96	Evaluation of novel Fmoc-tripeptide based hydrogels as immobilization supports for electrochemical biosensors. <i>Microchemical Journal</i> , 2018 , 137, 105-110	4.8	10
95	A Glucose/Oxygen Enzymatic Fuel Cell based on Gold Nanoparticles modified Graphene Screen-Printed Electrode. Proof-of-Concept in Human Saliva. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 921-930	8.5	53
94	Ampicillin Measurement Using Flow SPR Immunosensor and Comparison with Classical Amperometric Immunosensor. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 229-232	0.2	
93	Development of Amine-Oxidase-Based Biosensors for Spermine and Spermidine Analysis. <i>Methods in Molecular Biology</i> , 2018 , 1694, 75-80	1.4	3
92	Metal Oxide Nanoparticle Based Electrochemical Sensor for Total Antioxidant Capacity (TAC) Detection in Wine Samples. <i>Biosensors</i> , 2018 , 8,	5.9	17
91	Beyond graphene: Electrochemical sensors and biosensors for biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 152-166	11.8	242
90	A bimetallic nanocoral Au decorated with Pt nanoflowers (bio)sensor for HO detection at low potential. <i>Methods</i> , 2017 , 129, 89-95	4.6	7
89	Application of a Nanostructured Enzymatic Biosensor Based on Fullerene and Gold Nanoparticles to Polyphenol Detection. <i>Methods in Molecular Biology</i> , 2017 , 1572, 41-53	1.4	1
88	Archaeometric analysis of Roman bronze coins from the Magna Mater temple using solid-state voltammetry and electrochemical impedance spectroscopy. <i>Analytica Chimica Acta</i> , 2017 , 955, 36-47	6.6	37
87	Polymer-supported electron transfer of PQQ-dependent glucose dehydrogenase at carbon nanotubes modified by electropolymerized polythiophene copolymers. <i>Electrochimica Acta</i> , 2017 , 248, 64-74	6.7	17
86	A multi-analytical approach for the validation of a jellified electrolyte: Application to the study of ancient bronze patina. <i>Microchemical Journal</i> , 2017 , 134, 154-163	4.8	17
85	Improved DET communication between cellobiose dehydrogenase and a gold electrode modified with a rigid self-assembled monolayer and green metal nanoparticles: The role of an ordered nanostructuring. <i>Biosensors and Bioelectronics</i> , 2017 , 88, 196-203	11.8	34
84	Green Synthesis and Characterization of Gold and Silver Nanoparticles and their Application for Development of a Third Generation Lactose Biosensor. <i>Electroanalysis</i> , 2017 , 29, 77-86	3	53
83	AuNPs-functionalized PANABA-MWCNTs nanocomposite-based impedimetric immunosensor for 2,4-dichlorophenoxy acetic acid detection. <i>Biosensors and Bioelectronics</i> , 2017 , 93, 52-56	11.8	35
82	Comparison between a Direct-Flow SPR Immunosensor for Ampicillin and a Competitive Conventional Amperometric Device: Analytical Features and Possible Applications to Real Samples. <i>Sensors</i> , 2017 , 17,	3.8	7

81	Impacts of air pollution on cultural heritage corrosion at European level: What has been achieved and what are the future scenarios. <i>Environmental Pollution</i> , 2016 , 218, 586-594	9.3	42
80	The influence of environmental parameters in the biocolonization of the Mithraeum in the roman masonry of casa di Diana (Ostia Antica, Italy). <i>Environmental Science and Pollution Research</i> , 2016 , 23, 13403-12	5.1	11
79	Inhibition-based biosensor for atrazine detection. <i>Sensors and Actuators B: Chemical</i> , 2016 , 224, 552-558	8.5	44
78	Recent advances in Third Generation Biosensors based on Au and Pt Nanostructured Electrodes. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 79, 151-159	14.6	39
77	Inhibition-based first-generation electrochemical biosensors: theoretical aspects and application to 2,4-dichlorophenoxy acetic acid detection. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 3203-11	4.4	17
76	A Flow SPR Immunosensor Based on a Sandwich Direct Method. <i>Biosensors</i> , 2016 , 6, 22	5.9	15
75	Catalase-Based Modified Graphite Electrode for Hydrogen Peroxide Detection in Different Beverages. <i>Journal of Analytical Methods in Chemistry</i> , 2016 , 2016, 8174913	2	10
74	Nanotechnology-Based Surface Plasmon Resonance Affinity Biosensors for In Vitro Diagnostics. <i>International Journal of Analytical Chemistry</i> , 2016 , 2016, 2981931	1.4	16
73	Bubble electrodeposition of gold porous nanocorals for the enzymatic and non-enzymatic detection of glucose. <i>Bioelectrochemistry</i> , 2016 , 112, 125-31	5.6	52
72	A new surface plasmon resonance immunosensor for triazine pesticide determination in bovine milk: a comparison with conventional amperometric and screen-printed immunodevices. <i>Sensors</i> , 2015 , 15, 10255-70	3.8	18
71	Highly efficient synthesis of aldehydes by layer by layer multi-walled carbon nanotubes (MWCNTs) laccase mediator systems. <i>Applied Catalysis A: General</i> , 2015 , 499, 77-88	5.1	16
70	Development of Carbon-Based Nano-Composite Materials for Direct Electron Transfer Based Biosensors. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3423-8	1.3	8
69	Amine oxidase-based biosensors for spermine and spermidine determination. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1131-7	4.4	21
68	Fast synthesis of platinum nanopetals and nanospheres for highly-sensitive non-enzymatic detection of glucose and selective sensing of ions. <i>Scientific Reports</i> , 2015 , 5, 15277	4.9	51
67	Electrochemical Characterization of Graphene and MWCNT Screen-Printed Electrodes Modified with AuNPs for Laccase Biosensor Development. <i>Nanomaterials</i> , 2015 , 5, 1995-2006	5.4	37
66	Recent trends in electrochemical nanobiosensors for environmental analysis. <i>International Journal of Environment and Health</i> , 2015 , 7, 267	1.3	22
65	Highly sensitive electrodic materials based on Pt nanoflowers grown on Pt nanospheres for biosensor development 2015 ,		2
64	Affinity-based biosensors for pathogenic bacteria detection. <i>International Journal of Environmental Technology and Management</i> , 2015 , 18, 185	0.6	5

63	DNA-based biosensors for Hg(2+) determination by polythymine-methylene blue modified electrodes. <i>Biosensors and Bioelectronics</i> , 2015 , 67, 524-31	11.8	54
62	Atrazine Determination Using Immunosensor Method Based on Surface Plasmon Resonance. Comparison with Two Other Immunological Methods Based on Screen-Printed and Classical Amperometric Devices. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 65-69	0.2	
61	Nanostructured enzymatic biosensor based on fullerene and gold nanoparticles: preparation, characterization and analytical applications. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 430-7	11.8	94
60	Immunosensor Suitable for Inflammatory Testing in Cattle. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 137-140	0.2	
59	Composite Material Based on Macroporous Polyaniline and Osmium Redox Complex for Biosensor Development. <i>Electroanalysis</i> , 2014 , 26, 1623-1630	3	8
58	Affinity-based biosensors in sport medicine and doping control analysis. <i>Bioanalysis</i> , 2014 , 6, 225-45	2.1	14
57	Kinetic thermal analytical study of saturated mono-, di- and tri-glycerides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 112, 519-527	4.1	5
56	Lactoferrin determination using flow or batch immunosensor surface plasmon resonance: Comparison with amperometric and screen-printed immunosensor methods. <i>Sensors and Actuators B: Chemical</i> , 2013 , 179, 215-225	8.5	14
55	Comparison of three immunosensor methods (surface plasmon resonance, screen-printed and classical amperometric immunosensors) for immunoglobulin G determination in human serum and animal or powdered milks. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 73, 90-8	3.5	15
54	Several approaches for vitamin D determination by surface plasmon resonance and electrochemical affinity biosensors. <i>Biosensors and Bioelectronics</i> , 2013 , 40, 350-5	11.8	34
53	Affinity-based biosensors for heavy metal detection. <i>International Journal of Environment and Health</i> , 2013 , 6, 290	1.3	2
52	Determination of Immunoglobulins G in Human Serum and Cow Milk Using a Direct Immunological Method Based on Surface Plasmon Resonance. <i>Lecture Notes in Electrical Engineering</i> , 2012 , 3-7	0.2	
51	Chemically Modified Multiwalled Carbon Nanotubes Electrodes with Ferrocene Derivatives through Reactive Landing. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4863-4871	3.8	19
50	Characterization and application of a diamine oxidase from <i>Lathyrus sativus</i> as component of an electrochemical biosensor for the determination of biogenic amines in wine and beer. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 707-16	4.4	51
49	Polyazetidine-coated microelectrodes: electrochemical and diffusion characterization of different redox substrates. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 972-9	3.4	7
48	Laccase/polyazetidine prepolymer/MWCNT integrated system: Biochemical properties and application to analytical determinations in real samples. <i>Microchemical Journal</i> , 2010 , 96, 301-307	4.8	28
47	Kinetic and biochemical properties of high and low redox potential laccases from fungal and plant origin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 899-908	4	82
46	Study of Ferrocene-modified G4 PAMAM Dendrimer for Reagentless Biosensor Development. <i>ECS Transactions</i> , 2009 , 16, 105-113	1	9

45	Bioelectrochemical Characterization of Horseradish and Soybean Peroxidases. <i>Electroanalysis</i> , 2009 , 21, 2378-2386	3	5
44	Kinetic and redox properties of MnP II, a major manganese peroxidase isoenzyme from <i>Panus tigrinus</i> CBS 577.79. <i>Journal of Biological Inorganic Chemistry</i> , 2009 , 14, 1153-63	3.7	19
43	Polyazetidine-based immobilization of redox proteins for electron-transfer-based biosensors. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1424-30	11.8	21
42	Partially disposable biosensors for the quick assessment of damage in foodstuff after thermal treatment. <i>Microchemical Journal</i> , 2009 , 91, 209-213	4.8	10
41	Scleroglucan-borax hydrogel: a flexible tool for redox protein immobilization. <i>Langmuir</i> , 2009 , 25, 11097-1104	4	6
40	Ferrocenyl alkanethiols-thio beta-cyclodextrin mixed self-assembled monolayers: evidence of ferrocene electron shuttling through the beta-cyclodextrin cavity. <i>Langmuir</i> , 2009 , 25, 12937-44	4	19
39	Electron-transfer kinetics of microperoxidase-11 covalently immobilised onto the surface of multi-walled carbon nanotubes by reactive landing of mass-selected ions. <i>Chemistry - A European Journal</i> , 2009 , 15, 7359-67	4.8	37
38	Soft-landed protein voltammetry: a tool for redox protein characterization. <i>Analytical Chemistry</i> , 2008 , 80, 5937-44	7.8	34
37	Electrochemical Kinetic Characterization of Redox Mediated Glucose Oxidase Reactions: A Simplified Approach. <i>Electroanalysis</i> , 2008 , 20, 163-169	3	22
36	Soft landed protein voltammetry. <i>Chemical Communications</i> , 2007 , 3494-6	5.8	21
35	Selenium speciation in foods: Preliminary results on potatoes. <i>Microchemical Journal</i> , 2007 , 85, 222-227	4.8	31
34	Peroxidase based biosensors for the selective determination of D,L-lactic acid and L-malic acid in wines. <i>Microchemical Journal</i> , 2007 , 87, 81-86	4.8	42
33	Glutamate receptor incorporated in a mixed hybrid bilayer lipid membrane array, as a sensing element of a biosensor working under flowing conditions. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8103-11	16.4	54
32	Further applications of a new biosensor method for dating cellulosic finds. <i>Annali Di Chimica</i> , 2005 , 95, 133-41		3
31	Comparison of fluorimetric, voltammetric and biosensor methods for the determination of total antioxidant capacity of drug products containing acetylsalicylic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 36, 91-9	3.5	32
30	Preparation and characterization of a chemically modified electrode based on ferrocene-tethered β -cyclodextrin self assembled monolayers. <i>Microchemical Journal</i> , 2004 , 76, 77-84	4.8	9
29	Prehistoric terracottas from the libyan tadrart acacus. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003 , 73, 127-142	4.1	16
28	Kinetic and thermodynamic treatment of gasification process for some s-triazines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003 , 74, 121-139	4.1	4

27	Determination of antioxidant properties of aromatic herbs, olives and fresh fruit using an enzymatic sensor. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 375, 1011-6	4.4	39
26	Determination of hydrogen peroxide in disinfectant solutions using a biosensor with two antagonist enzymes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 32, 737-51	3.5	6
25	Mixed hybrid bilayer lipid membrane incorporating valinomycin: improvements in preparation and functioning. <i>Microchemical Journal</i> , 2003 , 74, 141-148	4.8	24
24	Thermogravimetric and kinetic methods to date wood finds. First results. <i>Annali Di Chimica</i> , 2003 , 93, 897-907		4
23	Membrane supported bilayer lipid membranes array: preparation, stability and ion-channel insertion. <i>Analytica Chimica Acta</i> , 2002 , 460, 23-34	6.6	45
22	Plants and Chemistry: A Teaching Course Based on the Chemistry of Substances of Plant Origin. <i>Journal of Chemical Education</i> , 2002 , 79, 976	2.4	5
21	Eptastigmine, nicotinamide and nicotinic acid determination using an inhibition enzyme sensor; application to pharmaceutical analysis. <i>Annali Di Chimica</i> , 2002 , 92, 373-85		2
20	Superoxide dismutase biosensors working in non-aqueous solvent. <i>Fresenius Journal of Analytical Chemistry</i> , 2001 , 369, 594-600		22
19	Evaluation of radical scavenging properties of several plants, fresh or from a herbalist [®] , using a superoxide dismutase biosensor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001 , 24, 1055-64	3.5	25
18	Organic phase enzyme electrodes: applications and theoretical studies. <i>Analytica Chimica Acta</i> , 2001 , 426, 235-247	6.6	27
17	Two OPEEs (organic phase enzyme electrodes) used to check the percentage water content in hydrophobic foods and drugs. <i>Analyst, The</i> , 2001 , 126, 1923-8	5	7
16	DIRECT DETERMINATION OF NICOTINE IN ANTISMOKING PHARMACEUTICAL PRODUCTS AND IN TOBACCO USING AN INHIBITION BIOSENSOR. <i>Analytical Letters</i> , 2001 , 34, 855-866	2.2	10
15	New biosensor for superoxide radical used to evidence molecules of biomedical and pharmaceutical interest having radical scavenging properties. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000 , 23, 69-76	3.5	60
14	An Aquarium as a Means for the Interdisciplinary Teaching of Chemistry. <i>Journal of Chemical Education</i> , 2000 , 77, 1311	2.4	9
13	Monitoring the rancidification process in olive oils using a biosensor operating in organic solvents ¹ This paper was presented at the Fifth World Congress on Biosensors, Berlin, Germany, 3 rd June 1998.1. <i>Biosensors and Bioelectronics</i> , 1999 , 14, 179-186	11.8	41
12	Analysis of several real matrices using new mono-, bi-enzymatic, or inhibition organic phase enzyme electrodes. <i>Analytica Chimica Acta</i> , 1999 , 393, 109-120	6.6	20
11	Enzymatic immobilisation in kappa-carrageenan gel suitable for organic phase enzyme electrode (OPEE) assembly. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1999 , 7, 101-113		14
10	Superoxide Dismutase Biosensors for Superoxide Radical Analysis. <i>Analytical Letters</i> , 1999 , 32, 2559-2581.2		38

9	Further development of catalase, tyrosinase and glucose oxidase based organic phase enzyme electrode response as a function of organic solvent properties. <i>Talanta</i> , 1998 , 46, 595-606	6.2	39
8	Selective Membrane Sensors for Free Radical Analysis Based on Potentiometric and CHEMFET Devices. <i>Analisis - European Journal of Analytical Chemistry</i> , 1998 , 26, 223-228		8
7	Further developments in toxicity cell biosensors. <i>Sensors and Actuators B: Chemical</i> , 1997 , 44, 279-285	8.5	25
6	A modified amperometric electrode for the determination of free radicals. <i>Sensors and Actuators B: Chemical</i> , 1997 , 44, 559-565	8.5	32
5	Toxicity order of cholanic acids using an immobilised cell biosensor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1996 , 14, 1007-13	3.5	22
4	Organophosphorus pesticide (Paraoxon) analysis using solid state sensors. <i>Sensors and Actuators B: Chemical</i> , 1996 , 33, 25-33	8.5	42
3	Immobilised yeast cells biosensor for total toxicity testing. <i>Science of the Total Environment</i> , 1995 , 171, 227-34	10.2	36
2	Respirometric biomonitor for the control of industrial effluent toxicity 1995 ,		2
1	The effect of organic solvent properties on the response of a tyrosinase enzyme sensor. <i>Talanta</i> , 1994 , 41, 1015-23	6.2	45