

Fabio Terzi

List of Publications by Citations

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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.

75
papers

1,645
citations

26
h-index

37
g-index

78
ext. papers

1,788
ext. citations

4.6
avg. IF

4.38
L-index

#	Paper	IF	Citations
75	Water-soluble full-length single-wall carbon nanotube polyelectrolytes: preparation and characterization. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8634-42	3.4	143
74	Polythiophenes and polythiophene-based composites in amperometric sensing. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 509-31	4.4	73
73	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	8.5	65
72	Effective electrochemical sensor based on screen-printed electrodes modified with a carbon black-Au nanoparticles composite. <i>Sensors and Actuators B: Chemical</i> , 2015 , 212, 536-543	8.5	61
71	Development of an electronic tongue based on a PEDOT-modified voltammetric sensor. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 2101-10	4.4	59
70	UPS, XPS, and NEXAFS study of self-assembly of standing 1,4-benzenedimethanethiol SAMs on gold. <i>Langmuir</i> , 2011 , 27, 4713-20	4	58
69	Amperometric sensors based on poly(3,4-ethylenedioxythiophene)-modified electrodes: discrimination of white wines. <i>Analytica Chimica Acta</i> , 2008 , 614, 213-22	6.6	51
68	Experimental and theoretical study of the electronic structure of HgO and Ti ₂ O ₃ . <i>Physical Review B</i> , 2005 , 71,	3.3	48
67	A poly(3,4-ethylenedioxythiophene)-poly(styrene sulphonate) composite electrode coating in the electrooxidation of phenol. <i>Electrochimica Acta</i> , 2005 , 50, 1685-1691	6.7	48
66	Pencil leads doped with electrochemically deposited Ag and AgCl for drawing reference electrodes on paper-based electrochemical devices. <i>Electrochimica Acta</i> , 2014 , 146, 518-524	6.7	47
65	Development and characterisation of a novel composite electrode material consisting of poly(3,4-ethylenedioxythiophene) including Au nanoparticles. <i>Electrochimica Acta</i> , 2008 , 53, 3916-3923	6.7	44
64	Classification of red wines by chemometric analysis of voltammetric signals from PEDOT-modified electrodes. <i>Analytica Chimica Acta</i> , 2009 , 643, 67-73	6.6	42
63	Electrochemical, spectroscopic and microscopic characterisation of novel poly(3,4-ethylenedioxythiophene)/gold nanoparticles composite materials. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 619-620, 75-82	4.1	42
62	Adsorption geometry variation of 1,4-benzenedimethanethiol self-assembled monolayers on Au(111) grown from the vapor phase. <i>Journal of Chemical Physics</i> , 2008 , 128, 134711	3.9	41
61	Structural and electronic properties of anisotropic ultrathin organic films from dichroic resonant soft x-ray reflectivity. <i>Physical Review B</i> , 2014 , 89,	3.3	34
60	Electro-oxidation of chlorophenols on poly(3,4-ethylenedioxythiophene)-poly(styrene sulphonate) composite electrode. <i>Electrochimica Acta</i> , 2007 , 52, 1910-1918	6.7	34
59	Poly(3,4-ethylenedioxythiophene)/Au-nanoparticles composite as electrode coating suitable for electrocatalytic oxidation. <i>Electrochimica Acta</i> , 2011 , 56, 3575-3579	6.7	32

58	Structure and properties of 1,4-benzenedimethanethiol films grown from solution on Au(111): An XPS and NEXAFS study. <i>Surface Science</i> , 2007 , 601, 1419-1427	1.8	32
57	In situ atomic force microscopy in the study of electrogeneration of polybithiophene on Pt electrode. <i>Electrochimica Acta</i> , 2005 , 50, 1497-1503	6.7	32
56	Systematic study of the correlation between surface chemistry, conductivity and electrocatalytic properties of graphene oxide nanosheets. <i>Carbon</i> , 2017 , 120, 165-175	10.4	29
55	New Insights on the Interaction between Thiophene Derivatives and Au Surfaces. The Case of 3,4-Ethylendioxythiophene and the Relevant Polymer. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 17836-17844	3.8	29
54	3-methylthiophene self-assembled monolayers on planar and nanoparticle Au surfaces. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19397-402	3.4	29
53	Highly sensitive amperometric sensor for morphine detection based on electrochemically exfoliated graphene oxide. Application in screening tests of urine samples. <i>Sensors and Actuators B: Chemical</i> , 2019 , 281, 739-745	8.5	28
52	Amperometric paper sensor based on Cu nanoparticles for the determination of carbohydrates. <i>Sensors and Actuators B: Chemical</i> , 2017 , 245, 352-358	8.5	27
51	Composite PEDOT/Au Nanoparticles Modified Electrodes for Determination of Mercury at Trace Levels by Anodic Stripping Voltammetry. <i>Electroanalysis</i> , 2011 , 23, 456-462	3	27
50	Digitally Controlled Procedure for Assembling Fully Drawn Paper-Based Electroanalytical Platforms. <i>Analytical Chemistry</i> , 2017 , 89, 10454-10460	7.8	26
49	Composite electrode coatings in amperometric sensors. Effects of differently encapsulated gold nanoparticles in poly(3,4-ethylendioxythiophene) system. <i>Sensors and Actuators B: Chemical</i> , 2010 , 148, 277-282	8.5	25
48	Synthesis and electrochemical polymerisation of 3?-functionalised terthiophenes. <i>Electrochimica Acta</i> , 2006 , 51, 4859-4864	6.7	25
47	Rapid Prototyping of Sensors and Conductive Elements by Day-to-Day Writing Tools and Emerging Manufacturing Technologies. <i>Electroanalysis</i> , 2016 , 28, 250-264	3	24
46	Simple pencil-drawn paper-based devices for one-spot electrochemical detection of electroactive species in oil samples. <i>Electrophoresis</i> , 2015 , 36, 1830-6	3.6	23
45	A paper-based platform with a pencil-drawn dual amperometric detector for the rapid quantification of ortho-diphenols in extravirgin olive oil. <i>Analytica Chimica Acta</i> , 2017 , 950, 41-48	6.6	21
44	Effective catalytic electrode system based on polyviologen and Au nanoparticles multilayer. <i>Sensors and Actuators B: Chemical</i> , 2010 , 144, 92-98	8.5	21
43	Amperometric sensing. A melting pot for material, electrochemical, and analytical sciences. <i>Electrochimica Acta</i> , 2015 , 179, 350-363	6.7	20
42	A cotton thread fluidic device with a wall-jet pencil-drawn paper based dual electrode detector. <i>Analytica Chimica Acta</i> , 2018 , 1040, 74-80	6.6	18
41	The evolution of amperometric sensing from the bare to the modified electrode systems. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 1523-1534	2.6	15

40	Adsorption of 3,4-ethylenedioxythiophene (EDOT) on noble metal surfaces: A photoemission and X-ray absorption study. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009 , 172, 114-119	1.7	15
39	Au/Pt nanoparticle systems in methanol and carbon monoxide electrooxidation. <i>Electrochimica Acta</i> , 2011 , 56, 3673-3678	6.7	15
38	Relaxation phenomena and structural modifications of substituted polythiophenes during the p-doping processes. An electrochemical and morphological study. <i>Electrochimica Acta</i> , 2006 , 51, 2698-2705	6.7	15
37	Development of a gold-nanostructured surface for amperometric genosensors. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	13
36	Graphene-modified electrode. Determination of hydrogen peroxide at high concentrations. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 3579-86	4.4	13
35	Preparation and Characterization of a Redox Multilayer Film Containing Au Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4868-4874	3.8	13
34	Photoemission and X-ray Absorption Study of the Interface between 3,4-Ethylenedioxythiophene-Related Derivatives and Gold. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15010-15018	3.8	12
33	Influence of the nature of the supporting electrolyte on the formation of poly[4,4'-bis(butylsulphanyl)-2,2'-bithiophene] films. A role for both counter-ion and co-ion in the polymer growth and p-doping processes. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 562, 231-239	4.1	12
32	EQCM study of the p- and n-doping processes of a poly[4,4'-bis(butylsulphanyl)-2,2'-bithiophene]. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 570, 235-242	4.1	12
31	Electroanalytical cells pencil drawn on PVC supports and their use for the detection in flexible microfluidic devices. <i>Talanta</i> , 2019 , 199, 14-20	6.2	11
30	Studies of the interface of conducting polymers with inorganic surfaces. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 1513-35	4.4	11
29	Functional Materials in Amperometric Sensing. <i>Monographs in Electrochemistry</i> , 2014 ,	0.8	11
28	Behaviour of Ti electrode in the amperometric determination of high concentrations of strong oxidising species. <i>Electrochemistry Communications</i> , 2013 , 34, 138-141	5.1	9
27	Layer-by-layer deposition of a polythiophene/Au nanoparticles multilayer with effective electrochemical properties. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 2395-2400	2.6	9
26	Bonding and orientation of 1,4-benzenedimethanethiol on Au(111) prepared from solution and from gas phase. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 305020	1.8	9
25	Electrochemical Sensing of Caffeic Acid Using Gold Nanoparticles Embedded in Poly(3,4-ethylenedioxythiophene) Layer by Sinusoidal Voltage Procedure. <i>Chemosensors</i> , 2019 , 7, 65	4	9
24	Development of a sensor system for the determination of sanitary quality of grapes. <i>Sensors</i> , 2013 , 13, 4571-80	3.8	8
23	Peptide nucleic acids tagged with four lysine residues for amperometric genosensors. <i>Artificial DNA, PNA & XNA</i> , 2012 , 3, 80-7		8

22	Unusual metals as electrode materials for electrochemical sensors. <i>Current Opinion in Electrochemistry</i> , 2019 , 16, 157-163	7.2	6
21	Ti metal electrode as an unconventional amperometric sensor for determination of Au(III) species. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 983-90	4.4	6
20	Dopamine-functionalized graphene oxide as a high-performance material for biosensing. <i>2D Materials</i> , 2020 , 7, 024007	5.9	6
19	A Flexible Platform of Electrochemically Functionalized Carbon Nanotubes for NADH Sensors. <i>Sensors</i> , 2019 , 19,	3.8	5
18	Nanostructured Au/Ti bimetallic electrodes in selective anodic oxidation of carbohydrates. <i>Electrochimica Acta</i> , 2016 , 188, 262-268	6.7	5
17	Drug precursor vapor phase sensing by cantilever enhanced photoacoustic spectroscopy and quantum cascade laser 2012 ,		5
16	Electroreduction of Chloramines Through Novel Electrode Materials. <i>Electroanalysis</i> , 2012 , 24, 833-841	3	5
15	A colorimetric paper-based smart label soaked with a deep-eutectic solvent for the detection of malondialdehyde. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129174	8.5	5
14	Ti as an electrode material. How to make the future better than the present. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 7257-61	4.4	4
13	Electroanalytical applications of a graphiteAu nanoparticles composite included in a sonogel matrix. <i>Electrochimica Acta</i> , 2014 , 122, 310-315	6.7	4
12	Electrochemical and spectroelectrochemical characterisation of poly(3-(hydroxymethyl)-2,2':5,2'-terthiophene). <i>Synthetic Metals</i> , 2006 , 156, 984-989	3.6	4
11	One-pot sonocatalyzed synthesis of sol-gel graphite electrodes containing gold nanoparticles for application in amperometric sensing. <i>Journal of Materials Science</i> , 2019 , 54, 9553-9564	4.3	3
10	Study of Ultrathin Prussian Blue Films Using in situ Electrochemical Surface Plasmon Resonance. <i>Collection of Czechoslovak Chemical Communications</i> , 2005 , 70, 154-167		3
9	Carbon Black/Gold Nanoparticles Composite for Efficient Amperometric Sensors. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 159-163	0.2	2
8	Voltammetric behaviour of Cu alloys toward hydrogen peroxide and organic species. <i>Electrochemistry Communications</i> , 2018 , 90, 56-60	5.1	1
7	Nanosized Materials. <i>Monographs in Electrochemistry</i> , 2014 , 139-181	0.8	1
6	A Simple Strategy for Easily Assembling 3D Printed Miniaturized Cells Suitable for Simultaneous Electrochemical and Spectrophotometric Analyses. <i>Electroanalysis</i> , 2020 , 32, 291-300	3	0
5	Nanosized Materials in Amperometric Sensors. <i>Nanostructure Science and Technology</i> , 2014 , 497-527	0.9	

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| 4 | Intrinsically Conducting Polymers. <i>Monographs in Electrochemistry</i> , 2014 , 23-57 | 0.8 |
| 3 | Development of Nanostructured Electrode Coatings for Amperometric Sensors. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 43-48 | 0.2 |
| 2 | Toward a Compact Instrument for Detecting Drug Precursors in Different Environments. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 89-93 | 0.2 |
| 1 | Redox Polymers and Metallopolymers. <i>Monographs in Electrochemistry</i> , 2014 , 59-97 | 0.8 |