

Chiara Zanardi

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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.

97
papers

1,785
citations

27
h-index

37
g-index

101
ext. papers

2,024
ext. citations

4.7
avg, IF

4.64
L-index

#	Paper	IF	Citations
97	Isolated single-molecule magnets on native gold. <i>Chemical Communications</i> , 2005 , 1640-2	5.8	84
96	Polythiophenes and polythiophene-based composites in amperometric sensing. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 509-31	4.4	73
95	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
94	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
93	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
92	Synthesis and spectroscopic and electrochemical characterisation of a conducting polythiophene bearing a chiral beta-substituent: polymerisation of (+)-4,4 bi. <i>Chemistry - A European Journal</i> , 2001 , 7, 676-85	4.8	52
91	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
90	Electrochemical preparation and characterisation of bilayer films composed by Prussian Blue and conducting polymer. <i>Electrochemistry Communications</i> , 2002 , 4, 753-758	5.1	48
89	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
88	Polythiophene Derivative Conducting Polymer Modified Electrodes and Microelectrodes for Determination of Ascorbic Acid. Effect of Possible Interferents. <i>Electroanalysis</i> , 2002 , 14, 519-525	3	46
87	Chemical and electrochemical properties of a hydrophobic deep eutectic solvent. <i>Electrochimica Acta</i> , 2019 , 295, 124-129	6.7	46
86	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
85	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
84	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
83	p- and n-doping processes in polythiophene with reduced bandgap. An electrochemical impedance spectroscopy study. <i>Electrochimica Acta</i> , 2001 , 46, 2721-2732	6.7	41
82	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
81	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

80	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
79	Density and volumetric properties of ethane-1,2-diol+di-ethylen-glycol mixtures at different temperatures. <i>Fluid Phase Equilibria</i> , 2000 , 172, 93-104	2.5	32
78	Recent advances in the direct electrochemical detection of drugs of abuse. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2603-2616	2.6	31
77	Anionic Clay Modified Electrode for Detection of Alcohols. An Electrocatalytic Amperometric Sensor. <i>Electroanalysis</i> , 2000 , 12, 434-441	3	31
76	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
75	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
74	Green nanomaterials fostering agrifood sustainability. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 125, 115840	14.6	28
73	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
72	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
71	Differential Pulse Techniques on Modified Conventional-Size and Microelectrodes. Electroactivity of Poly[4,4'-bis(butylsulfanyl)-2,2'-bithiophene] Coating Towards Dopamine and Ascorbic Acid Oxidation. <i>Electroanalysis</i> , 2003 , 15, 715-725	3	27
70	Radical ions from 3,3',5,5'-tris(butylsulfanyl)-2,2',5,5'-tetrakis(butylsulfanyl)-6,6'-hexithiophene: an experimental and theoretical study of the p- and n-doped oligomer. <i>ChemPhysChem</i> , 2003 , 4, 1216-25	3.2	26
69	Composite electrode coatings in amperometric sensors. Effects of differently encapsulated gold nanoparticles in poly(3,4-ethylenedioxythiophene) system. <i>Sensors and Actuators B: Chemical</i> , 2010 , 148, 277-282	8.5	25
68	Synthesis and electrochemical polymerisation of 3'-functionalised terthiophenes. <i>Electrochimica Acta</i> , 2006 , 51, 4859-4864	6.7	25
67	Development of an Electrochemical Sensor for NADH Determination Based on a Caffeic Acid Redox Mediator Supported on Carbon Black. <i>Chemosensors</i> , 2015 , 3, 118-128	4	24
66	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
65	Amperometric sensing. A melting pot for material, electrochemical, and analytical sciences. <i>Electrochimica Acta</i> , 2015 , 179, 350-363	6.7	20
64	Anthracene-based molecular emitters for non-doped deep-blue organic light emitting transistors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9411-9417	7.1	20
63	The inherent coupling of charge transfer and mass transport processes: the curious electrochemical reversibility. <i>ChemTexts</i> , 2016 , 2, 1	2.2	19

62	Electropolymerisation and characterisation of poly[4,4'-bis(butylsulphanil)-2,2'-bithiophene]. <i>Electrochimica Acta</i> , 2001 , 46, 881-889	6.7	19
61	Homoleptic Ru(II) complex with terpyridine ligands appended with terthiophene moieties: Synthesis, characterization and electropolymerization. <i>Polyhedron</i> , 2013 , 49, 24-28	2.7	18
60	Links between electrochemical thermodynamics and kinetics. <i>ChemTexts</i> , 2015 , 1, 1	2.2	18
59	Emerging challenges in the extraction, analysis and bioanalysis of cannabidiol and related compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 192, 113633	3.5	17
58	Dispersion Stability and Surface Morphology Study of Electrochemically Exfoliated Bilayer Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 15122-15130	3.8	16
57	A UV-Visible/Raman spectroelectrochemical study of the stability of poly(3,4-ethylenedioxythiophene) films. <i>Polymer Degradation and Stability</i> , 2011 , 96, 2112-2119	4.7	16
56	Synthesis and electrochemical characterisation of novel sonogel-carbon-polythiophene microstructured electrodes. <i>Synthetic Metals</i> , 2003 , 139, 29-33	3.6	16
55	Au/Pt nanoparticle systems in methanol and carbon monoxide electrooxidation. <i>Electrochimica Acta</i> , 2011 , 56, 3673-3678	6.7	15
54	Development of a gold-nanostructured surface for amperometric genosensors. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	13
53	Graphene-modified electrode. Determination of hydrogen peroxide at high concentrations. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 3579-86	4.4	13
52	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
51	A new terpyridine tethered polythiophene: Electrosynthesis and characterization. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 3513-3523	2.5	12
50	Influence of the nature of the supporting electrolyte on the formation of poly[4,4'-bis(butylsulphanil)-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
49	EQCM study of the p- and n-doping processes of a poly[4,4'-bis(butylsulphanil)-2,2'-bithiophene]. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 570, 235-242	4.1	12
48	Continuous capillary-flow sensing of glucose and lactate in sweat with an electrochemical sensor based on functionalized graphene oxide. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130253	8.5	12
47	Functional Materials in Amperometric Sensing. <i>Monographs in Electrochemistry</i> , 2014 ,	0.8	11
46	Development of an electrochemical sensor based on carbon black for the detection of cannabidiol in vegetable extracts. <i>Analyst, The</i> , 2021 , 146, 612-619	5	10
45	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

44	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
43	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
42	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
41	Development of a sensor system for the determination of sanitary quality of grapes. <i>Sensors</i> , 2013 , 13, 4571-80	3.8	8
40	Peptide nucleic acids tagged with four lysine residues for amperometric genosensors. <i>Artificial DNA, PNA & XNA</i> , 2012 , 3, 80-7		8
39	Viscosity of (ethane-1,2-diol + 1,2-dimethoxyethane + water) at temperatures from 263.15 K to 353.15 K. <i>Journal of Chemical Thermodynamics</i> , 2002 , 34, 593-611	2.9	8
38	The effect of Pd(II) coordination on the properties of an alkylsulfanyl substituted polythiophene. Comparison with the corresponding monomer. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1287		8
37	Density and Volume Properties of the 2-Methoxyethanol + 1,2-Dimethoxyethane + Water Ternary Solvent System at Various Temperatures. <i>Physics and Chemistry of Liquids</i> , 2001 , 39, 151-168	1.5	8
36	Electrochemical sensing of glucose by chitosan modified graphene oxide. <i>JPhys Materials</i> , 2020 , 3, 01401412		8
35	Fast electroanalytical determination of Cannabidiol and Cannabinol in aqueous solution using Sonogel-Carbon-PEDOT devices. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 878, 114591	4.1	7
34	Unusual metals as electrode materials for electrochemical sensors. <i>Current Opinion in Electrochemistry</i> , 2019 , 16, 157-163	7.2	6
33	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
32	Dopamine-functionalized graphene oxide as a high-performance material for biosensing. <i>2D Materials</i> , 2020 , 7, 024007	5.9	6
31	Separation and non-separation methods for the analysis of cannabinoids in Cannabis sativa L. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 206, 114346	3.5	6
30	Electroanalytical determination of soluble Mn(II) species at high concentration levels. <i>Electrochimica Acta</i> , 2017 , 240, 108-113	6.7	5
29	A Flexible Platform of Electrochemically Functionalized Carbon Nanotubes for NADH Sensors. <i>Sensors</i> , 2019 , 19,	3.8	5
28	Determination of polyphenol content and colour index in wines through PEDOT-modified electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7329-38	4.4	5
27	Synthesis and investigation on processing-depending polarized fluorescence emission in thin-films of 2,2'-([2,2'-bithiophene]-5,5'-diyl)bis(5-octyl-4-phenyl-4H-thieno[2,3-c]pyrrol-6(5H)-one). <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10320-10331	7.1	5

26	Electroreduction of Chloramines Through Novel Electrode Materials. <i>Electroanalysis</i> , 2012 , 24, 833-841	3	5
25	A study of the dielectric behaviour and the liquid structure of a ternary solvent system. <i>Annali Di Chimica</i> , 2004 , 94, 165-76		5
24	Palladium(II) derivatives of alkylsulfanyl substituted thiophenes as precursors of inorganic polymers: Spectroscopic, electrochemical investigations and X-ray crystal structure of trans-PdCl ₂ [3-(butylsulfanyl)thiophene] ₂ . <i>Inorganica Chimica Acta</i> , 2005 , 358, 3033-3040	2.7	5
23	Bioresponsive, Electroactive, and Inkjet-Printable Graphene-Based Inks. <i>Advanced Functional Materials</i> , 2022 , 32, 2105028	15.6	5
22	A novel unsymmetrically substituted chiral amphiphilic perylene diimide: Synthesis, photophysical and electrochemical properties both in solution and solid state. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 318, 104-113	4.7	4
21	Electroanalytical applications of a graphite/Au nanoparticles composite included in a sonogel matrix. <i>Electrochimica Acta</i> , 2014 , 122, 310-315	6.7	4
20	Electrochemical and spectroelectrochemical characterisation of poly(3?-hydroxymethyl-2,2?:5?,2?-terthiophene). <i>Synthetic Metals</i> , 2006 , 156, 984-989	3.6	4
19	Graphene-Paper-Based Electrodes on Plastic and Textile Supports as New Platforms for Amperometric Biosensing. <i>Advanced Functional Materials</i> , 2107941	15.6	4
18	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
17	Synthesis, spectroscopic and electrochemical characterization of Co(II)-terpyridine based metallopolymer. <i>Electrochimica Acta</i> , 2018 , 260, 314-323	6.7	3
16	Electrochemical synthesis and spectroscopic studies of polyalkylthiophene bearing NLO chromophoric units. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 553, 97-106	4.1	3
15	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
14	Temperature and composition dependence of the refractive indices of the 2-chloroethanol + 2-methoxyethanol binary mixtures. <i>Annali Di Chimica</i> , 2002 , 92, 187-201		3
13	Carbon Black/Gold Nanoparticles Composite for Efficient Amperometric Sensors. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 159-163	0.2	2
12	Importance of Modified Electrodes in Amperometric Sensing. <i>Monographs in Electrochemistry</i> , 2014 , 1-21	0.8	2
11	Voltammetric behaviour of Cu alloys toward hydrogen peroxide and organic species. <i>Electrochemistry Communications</i> , 2018 , 90, 56-60	5.1	1
10	Electrocatalytic and antifouling properties of CeO ₂ -glassy carbon electrodes. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 3125-3131	2.6	1
9	Development of a redox polymer based on poly(2-hydroxyethyl methacrylate) for disposable amperometric sensors. <i>Electrochemistry Communications</i> , 2016 , 62, 34-37	5.1	1

8	Preparation and characterization of reusable Sonogel-Carbon electrodes containing carbon black: Application as amperometric sensors for determination of catechol 2020 , 877, 114653-114653		1
7	Nanosized Materials. <i>Monographs in Electrochemistry</i> , 2014 , 139-181	0.8	1
6	Beta-functionalised polythiophenes as microelectrode modifiers in low conductive media. <i>Annali Di Chimica</i> , 2002 , 92, 177-85		1
5	Nanosized Materials in Amperometric Sensors. <i>Nanostructure Science and Technology</i> , 2014 , 497-527	0.9	
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	Redox Polymers and Metallopolymers. <i>Monographs in Electrochemistry</i> , 2014 , 59-97	0.8	
1	Silica-Based Materials and Derivatives. <i>Monographs in Electrochemistry</i> , 2014 , 183-220	0.8	