Chiara Zanardi

List of Publications by Year
in descending order

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98 papers	2,263 citations	159525 30 h-index	254106 43 g-index
101 all docs	101 docs citations	101 times ranked	2762 citing authors

#	Article	IF	Citations
1	Isolated single-molecule magnets on native gold. Chemical Communications, 2005, , 1640.	2.2	86
2	Polythiophenes and polythiophene-based composites in amperometric sensing. Analytical and Bioanalytical Chemistry, 2013, 405, 509-531.	1.9	84
3	Effective electrochemical sensor based on screen-printed electrodes modified with a carbon black-Au nanoparticles composite. Sensors and Actuators B: Chemical, 2015, 212, 536-543.	4.0	81
4	Development of an electronic tongue based on a PEDOT-modified voltammetric sensor. Analytical and Bioanalytical Chemistry, 2007, 387, 2101-2110.	1.9	71
5	Optimization of the DPV potential waveform for determination of ascorbic acid on PEDOT-modified electrodes. Sensors and Actuators B: Chemical, 2007, 121, 430-435.	4.0	71
6	Chemical and electrochemical properties of a hydrophobic deep eutectic solvent. Electrochimica Acta, 2019, 295, 124-129.	2.6	68
7	Recent advances in the direct electrochemical detection of drugs of abuse. Journal of Solid State Electrochemistry, 2020, 24, 2603-2616.	1.2	67
8	Green nanomaterials fostering agrifood sustainability. TrAC - Trends in Analytical Chemistry, 2020, 125, 115840.	5.8	62
9	Amperometric sensors based on poly(3,4-ethylenedioxythiophene)-modified electrodes: Discrimination of white wines. Analytica Chimica Acta, 2008, 614, 213-222.	2.6	61
10	Synthesis and Spectroscopic and Electrochemical Characterisation of a Conducting Polythiophene Bearing a Chirali²-Substituent: Polymerisation of (+)-4,4â€²-Bis[(S)-2-methylbutylsulfanyl]-2,2â€²-bithiophene. Chemistry - A European Journal, 2001, 7, 676-685.	1.7	60
11	Polythiophene Derivative Conducting Polymer Modified Electrodes and Microelectrodes for Determination of Ascorbic Acid. Effect of Possible Interferents. Electroanalysis, 2002, 14, 519-525.	1.5	55
12	Electrochemical preparation and characterisation of bilayer films composed by Prussian Blue and conducting polymer. Electrochemistry Communications, 2002, 4, 753-758.	2.3	53
13	A poly(3,4-ethylenedioxythiophene)-poly(styrene sulphonate) composite electrode coating in the electrooxidation of phenol. Electrochimica Acta, 2005, 50, 1685-1691.	2.6	51
14	Classification of red wines by chemometric analysis of voltammetric signals from PEDOT-modified electrodes. Analytica Chimica Acta, 2009, 643, 67-73.	2.6	50
15	Development and characterisation of a novel composite electrode material consisting of poly(3,4-ethylenedioxythiophene) including Au nanoparticles. Electrochimica Acta, 2008, 53, 3916-3923.	2.6	49
16	p- and n-doping processes in polythiophene with reduced bandgap. An electrochemical impedance spectroscopy study. Electrochimica Acta, 2001, 46, 2721-2732.	2.6	46
17	Electrochemical, spectroscopic and microscopic characterisation of novel poly(3,4-ethylenedioxythiophene)/gold nanoparticles composite materials. Journal of Electroanalytical Chemistry, 2008, 619-620, 75-82.	1.9	45
18	Continuous capillary-flow sensing of glucose and lactate in sweat with an electrochemical sensor based on functionalized graphene oxide. Sensors and Actuators B: Chemical, 2021, 344, 130253.	4.0	45

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19	Highly sensitive amperometric sensor for morphine detection based on electrochemically exfoliated graphene oxide. Application in screening tests of urine samples. Sensors and Actuators B: Chemical, 2019, 281, 739-745.	4.0	42
20	Emerging challenges in the extraction, analysis and bioanalysis of cannabidiol and related compounds. Journal of Pharmaceutical and Biomedical Analysis, 2021, 192, 113633.	1.4	39
21	Systematic study of the correlation between surface chemistry, conductivity and electrocatalytic properties of graphene oxide nanosheets. Carbon, 2017, 120, 165-175.	5.4	38
22	Electro-oxidation of chlorophenols on poly(3,4-ethylenedioxythiophene)-poly(styrene sulphonate) composite electrode. Electrochimica Acta, 2007, 52, 1910-1918.	2.6	36
23	Poly(3,4-ethylenedioxythiophene)/Au-nanoparticles composite as electrode coating suitable for electrocatalytic oxidation. Electrochimica Acta, 2011, 56, 3575-3579.	2.6	35
24	Density and volumetric properties of ethane-1,2-diol+di-ethylen-glycol mixtures at different temperatures. Fluid Phase Equilibria, 2000, 172, 93-104.	1.4	34
25	Structure and properties of 1,4-benzenedimethanethiol films grown from solution on Au(111): An XPS and NEXAFS study. Surface Science, 2007, 601, 1419-1427.	0.8	34
26	The inherent coupling of charge transfer and mass transport processes: the curious electrochemical reversibility. ChemTexts, 2016, 2, 1.	1.0	34
27	Anionic Clay Modified Electrode for Detection of Alcohols. An Electrocatalytic Amperometric Sensor. Electroanalysis, 2000, 12, 434-441.	1.5	32
28	3-Methylthiophene Self-Assembled Monolayers on Planar and Nanoparticle Au Surfaces. Journal of Physical Chemistry B, 2005, 109, 19397-19402.	1.2	31
29	Composite PEDOT/Au Nanoparticles Modified Electrodes for Determination of Mercury at Trace Levels by Anodic Stripping Voltammetry. Electroanalysis, 2011, 23, 456-462.	1.5	31
30	Links between electrochemical thermodynamics and kinetics. ChemTexts, 2015, 1, 1.	1.0	30
31	Differential Pulse Techniques on Modified Conventional-Size and Microelectrodes. Electroactivity of Poly[4,4â€²-bis(butylsulfanyl)-2,2â€²-bithiophene] Coating Towards Dopamine and Ascorbic Acid Oxidation. Electroanalysis, 2003, 15, 715-725.	1.5	29
32	Development of an Electrochemical Sensor for NADH Determination Based on a Caffeic Acid Redox Mediator Supported on Carbon Black. Chemosensors, 2015, 3, 118-128.	1.8	29
33	Radical Ions from 3,3â€²â€²,3â€²â€²â€²-Tris(butylsulfanyl)-2,2â€²:5â€²,2â€³:5â€³,2â€²â€²â€²,5â€²â€²â€²,2â€²â€²â€²â€²:5â€ Theoretical Study of the p- and n-Doped Oligomer. ChemPhysChem, 2003, 4, 1216-1225.	1.0	28
34	Synthesis and electrochemical polymerisation of 3â€²-functionalised terthiophenes. Electrochimica Acta, 2006, 51, 4859-4864.	2.6	28
35	Anthracene-based molecular emitters for non-doped deep-blue organic light emitting transistors. Journal of Materials Chemistry C, 2016, 4, 9411-9417.	2.7	28
36	Composite electrode coatings in amperometric sensors. Effects of differently encapsulated gold nanoparticles in poly(3,4-ethylendioxythiophene) system. Sensors and Actuators B: Chemical, 2010, 148, 277-282.	4.0	25

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37	Amperometric sensing. A melting pot for material, electrochemical, and analytical sciences. Electrochimica Acta, 2015, 179, 350-363.	2.6	23
38	Dispersion Stability and Surface Morphology Study of Electrochemically Exfoliated Bilayer Graphene Oxide. Journal of Physical Chemistry C, 2019, 123, 15122-15130.	1.5	23
39	Effective catalytic electrode system based on polyviologen and Au nanoparticles multilayer. Sensors and Actuators B: Chemical, 2010, 144, 92-98.	4.0	21
40	Electropolymerisation and characterisation of poly[4,4â€²-bis(butylsulphanil)-2,2â€²-bithiophene]. Electrochimica Acta, 2001, 46, 881-889.	2.6	20
41	Synthesis and electrochemical characterisation of novel sonogelâ€“carbonâ€“polythiophene microstructured electrodes. Synthetic Metals, 2003, 139, 29-33.	2.1	20
42	A UVâ€“Visible/Raman spectroelectrochemical study of the stability of poly(3,4-ethylendioxythiophene) films. Polymer Degradation and Stability, 2011, 96, 2112-2119.	2.7	20
43	Au/Pt nanoparticle systems in methanol and carbon monoxide electroxidation. Electrochimica Acta, 2011, 56, 3673-3678.	2.6	18
44	Homoleptic Ru(II) complex with terpyridine ligands appended with terthiophene moieties: Synthesis, characterization and electropolymerization. Polyhedron, 2013, 49, 24-28.	1.0	18
45	Electrochemical Sensing of Caffeic Acid Using Gold Nanoparticles Embedded in Poly(3,4-ethylenedioxythiophene) Layer by Sinusoidal Voltage Procedure. Chemosensors, 2019, 7, 65.	1.8	18
46	Development of an electrochemical sensor based on carbon black for the detection of cannabidiol in vegetable extracts. Analyst, The, 2021, 146, 612-619.	1.7	18
47	Influence of the nature of the supporting electrolyte on the formation of poly[4,4â€²-bis(butylsulphanyl)-2,2â€²-bithiophene] films. A role for both counter-ion and co-ion in the polymer growth and p-doping processes. Journal of Electroanalytical Chemistry, 2004, 562, 231-239.	1.9	15
48	A new terpyridine tethered polythiophene: Electrosynthesis and characterization. Journal of Polymer Science Part A, 2011, 49, 3513-3523.	2.5	15
49	Functional Materials in Amperometric Sensing. Monographs in Electrochemistry, 2014, , .	0.2	15
50	Fast electroanalytical determination of Cannabidiol and Cannabinol in aqueous solution using Sonogel-Carbon-PEDOT devices. Journal of Electroanalytical Chemistry, 2020, 878, 114591.	1.9	15
51	Grapheneâ€Paperâ€Based Electrodes on Plastic and Textile Supports as New Platforms for Amperometric Biosensing. Advanced Functional Materials, 2022, 32, 2107941.	7.8	15
52	Development of a gold-nanostructured surface for amperometric genosensors. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	14
53	Unusual metals as electrode materials for electrochemical sensors. Current Opinion in Electrochemistry, 2019, 16, 157-163.	2.5	14
54	Electrochemical sensing of glucose by chitosan modified graphene oxide. JPhys Materials, 2020, 3, 014011.	1.8	14

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55	Bioresponsive, Electroactive, and Inkjetâ€Printable Grapheneâ€Based Inks. Advanced Functional Materials, 2022, 32, 2105028.	7.8	14
56	EQCM study of the p- and n-doping processes of a poly[4,4â€²-bis(butylsulphanyl)-2,2â€²-bithiophene]. Journal of Electroanalytical Chemistry, 2004, 570, 235-242.	1.9	13
57	Preparation and Characterization of a Redox Multilayer Film Containing Au Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 4868-4874.	1.5	13
58	Graphene-modified electrode. Determination of hydrogen peroxide at high concentrations. Analytical and Bioanalytical Chemistry, 2013, 405, 3579-3586.	1.9	13
59	Density and Volume Properties of the 2-Methoxyethanol + 1,2-Dimethoxyethane + Water Ternary Solvent System at Various Temperatures. Physics and Chemistry of Liquids, 2001, 39, 151-168.	0.4	11
60	Determination of polyphenol content and colour index in wines through PEDOT-modified electrodes. Analytical and Bioanalytical Chemistry, 2016, 408, 7329-7338.	1.9	11
61	Viscosity of (ethane-1,2-diol + 1,2-dimethoxyethane + water) at temperatures from 263.15 K to 353.15 K. Journal of Chemical Thermodynamics, 2002, 34, 593-611.	1.0	10
62	Bonding and orientation of 1,4-benzenedimethanethiol on Au(111) prepared from solution and from gas phase. Journal of Physics Condensed Matter, 2007, 19, 305020.	0.7	10
63	Layer-by-layer deposition of a polythiophene/Au nanoparticles multilayer with effective electrochemical properties. Journal of Solid State Electrochemistry, 2011, 15, 2395-2400.	1.2	10
64	Development of a Sensor System for the Determination of Sanitary Quality of Grapes. Sensors, 2013, 13, 4571-4580.	2.1	10
65	Separation and non-separation methods for the analysis of cannabinoids in Cannabis sativa L.. Journal of Pharmaceutical and Biomedical Analysis, 2021, 206, 114346.	1.4	10
66	Peptide nucleic acids tagged with four lysine residues for amperometric genosensors. Artificial DNA, PNA & XNA, 2012, 3, 80-87.	1.4	9
67	Behaviour of Ti electrode in the amperometric determination of high concentrations of strong oxidising species. Electrochemistry Communications, 2013, 34, 138-141.	2.3	9
68	The effect of Pd(ii) coordination on the properties of an alkylsulfanyl substituted polythiophene. Comparison with the corresponding monomer. Journal of Materials Chemistry, 2003, 13, 1287.	6.7	8
69	Synthesis, spectroscopic and electrochemical characterization of Co(II)-terpyridine based metallopolymer. Electrochimica Acta, 2018, 260, 314-323.	2.6	8
70	Electroanalytical determination of soluble Mn(II) species at high concentration levels. Electrochimica Acta, 2017, 240, 108-113.	2.6	7
71	A Flexible Platform of Electrochemically Functionalized Carbon Nanotubes for NADH Sensors. Sensors, 2019, 19, 518.	2.1	7
72	Dopamine-functionalized graphene oxide as a high-performance material for biosensing. 2D Materials, 2020, 7, 024007.	2.0	7

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73	Palladium(II) derivatives of alkylsulfanyl substituted thiophenes as precursors of inorganic polymers: Spectroscopic, electrochemical investigations and X-ray crystal structure of trans-PdCl2[3-(butylsulfanyl)thiophene]2. Inorganica Chimica Acta, 2005, 358, 3033-3040.	1.2	6
74	Electroreduction of Chloramines Through Novel Electrode Materials. Electroanalysis, 2012, 24, 833-841.	1.5	6
75	Ti metal electrode as an unconventional amperometric sensor for determination of Au(III) species. Analytical and Bioanalytical Chemistry, 2015, 407, 983-990.	1.9	6
76	A novel unsymmetrically substituted chiral amphiphilic perylene diimide: Synthesis, photophysical and electrochemical properties both in solution and solid state. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 318, 104-113.	2.0	6
77	A Study of the Dielectric Behaviour and the Liquid Structure of a Ternary Solvent System. Annali Di Chimica, 2004, 94, 165-176.	0.6	5
78	Electrochemical and spectroelectrochemical characterisation of poly(3â€²-hydroxymethyl-2,2â€²:5â€²,2â€³-terthiophene). Synthetic Metals, 2006, 156, 984-989.	2.1	5
79	Electroanalytical applications of a graphiteâ€“Au nanoparticles composite included in a sonogel matrix. Electrochimica Acta, 2014, 122, 310-315.	2.6	5
80	Synthesis and investigation on processing-depending polarized fluorescence emission in thin-films of 2,2â€²-([2,2â€²-bithiophene]-5,5â€²-diyl)bis(5-octyl-4-phenyl-4H-thieno[2,3-c]pyrrol-6(5H)-one). Journal of Materials Chemistry C, 2017, 5, 10320-10331.	2.7	5
81	Simultaneous Detection of Glucose and Fructose in Synthetic Musts by Multivariate Analysis of Silica-Based Amperometric Sensor Signals. Sensors, 2021, 21, 4190.	2.1	4
82	Preparation and characterization of reusable Sonogel-Carbon electrodes containing carbon black: Application as amperometric sensors for determination of cathecol. Journal of Electroanalytical Chemistry, 2020, 877, 114653.	1.9	4
83	Electrochemical synthesis and spectroscopic studies of polyalkylthiophene bearing NLO chromophoric units. Journal of Electroanalytical Chemistry, 2003, 553, 97-106.	1.9	3
84	Study of Ultrathin Prussian Blue Films Using in situ Electrochemical Surface Plasmon Resonance. Collection of Czechoslovak Chemical Communications, 2005, 70, 154-167.	1.0	3
85	Electrocatalytic and antifouling properties of CeO2-glassy carbon electrodes. Journal of Solid State Electrochemistry, 2016, 20, 3125-3131.	1.2	3
86	Development of a redox polymer based on poly(2-hydroxyethyl methacrylate) for disposable amperometric sensors. Electrochemistry Communications, 2016, 62, 34-37.	2.3	3
87	One-pot sonocatalyzed synthesis of solâ€“gel graphite electrodes containing gold nanoparticles for application in amperometric sensing. Journal of Materials Science, 2019, 54, 9553-9564.	1.7	3
88	Temperature and composition dependence of the refractive indices of the 2-chloroethanol + 2-methoxyethanol binary mixtures. Annali Di Chimica, 2002, 92, 187-201.	0.6	3
89	Amperometric sensing â€” Bioelectroanalysis. Analytical and Bioanalytical Chemistry, 2013, 405, 3423-3426.	1.9	2
90	Carbon Black/Gold Nanoparticles Composite for Efficient Amperometric Sensors. Lecture Notes in Electrical Engineering, 2015, , 159-163.	0.3	2

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91	Voltammetric behaviour of Cu alloys toward hydrogen peroxide and organic species. Electrochemistry Communications, 2018, 90, 56-60.	2.3	1
92	Nanosized Materials. Monographs in Electrochemistry, 2014, , 139-181.	0.2	1
93	Beta-functionalised polythiophenes as microelectrode modifiers in low conductive media. Annali Di Chimica, 2002, 92, 177-85.	0.6	1
94	Nanosized Materials in Amperometric Sensors. Nanostructure Science and Technology, 2014, , 497-527.	0.1	0
95	Intrinsically Conducting Polymers. Monographs in Electrochemistry, 2014, , 23-57.	0.2	0
96	Novel electrode systems for amperometric sensing: the case of titanium. Proceedings of SPIE, 2014, , .	0.8	0
97	Redox Polymers and Metallopolymers. Monographs in Electrochemistry, 2014, , 59-97.	0.2	0
98	Silica-Based Materials and Derivatives. Monographs in Electrochemistry, 2014, , 183-220.	0.2	0