

M Pilar GarcÃ-a-Armada

List of Publications by Year in descending order

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40
papers

833
citations

471371

17
h-index

501076

28
g-index

40
all docs

40
docs citations

40
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	Amperometric enzyme electrodes for aerobic and anaerobic glucose monitoring prepared by glucose oxidase immobilized in mixed ferrocene-cobaltocenium dendrimers. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1617-1625.	5.3	77
2	Self-assembled gold decorated polydopamine nanospheres as electrochemical sensor for simultaneous determination of ascorbic acid, dopamine, uric acid and tryptophan. <i>Materials Science and Engineering C</i> , 2020, 109, 110602.	3.8	68
3	Amperometric biosensors for NADH based on hyperbranched dendritic ferrocene polymers and Pt nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 111-119.	4.0	66
4	Electrocatalytical properties of polymethylferrocenyl dendrimers and their applications in biosensing. <i>Bioelectrochemistry</i> , 2006, 69, 65-73.	2.4	64
5	Preparation of biosensors based in a siloxane homopolymer with interacting ferrocenes for the amperometric detection of peroxides. <i>Sensors and Actuators B: Chemical</i> , 2004, 101, 143-149.	4.0	50
6	Bienzyme sensors based on novel polymethylferrocenyl dendrimers. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1209-1217.	1.9	39
7	Electrochemical preparation of gold nanoparticles on ferrocenyl-dendrimer film modified electrodes and their application for the electrocatalytic oxidation and amperometric detection of nitrite. <i>Journal of Electroanalytical Chemistry</i> , 2017, 788, 14-22.	1.9	39
8	Ferrocenyl and permethylferrocenyl cyclic and polyhedral siloxane polymers as mediators in amperometric biosensors. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 2799-2807.	0.8	38
9	Electrodes modified with a siloxane copolymer containing interacting ferrocenes for determination of hydrogen peroxide and glucose. <i>Sensors and Actuators B: Chemical</i> , 2003, 88, 190-197.	4.0	34
10	Synthesis and Redox Properties of an Electropolymerizable Amido Ferrocenyl Pyrrole-functionalized Dendrimer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2008, 18, 51-58.	1.9	32
11	Anion Receptor Electrochemical Sensing Properties of Poly(propyleneimine) Dendrimers with Ferrocenylamidoalkyl Terminal Groups. <i>Organometallics</i> , 2009, 28, 727-733.	1.1	28
12	Electrochemical and bioelectrocatalytical properties of novel block-copolymers containing interacting ferrocenyl units. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2803-2811.	0.8	27
13	Synthesis and Electrochemical Anion-Sensing Properties of a Biferrocenyl-Functionalized Dendrimer. <i>Organometallics</i> , 2012, 31, 3284-3291.	1.1	27
14	A Siloxane Homopolymer with Interacting Ferrocenes as a New Material for the Preparation of Sensors Based on the Detection of Hydrogen Peroxide. <i>Electroanalysis</i> , 2003, 15, 1109-1114.	1.5	25
15	Aza-Crown Ethers Attached to Dendrimers through Amidoferrocenyl Units. <i>Organometallics</i> , 2006, 25, 3558-3561.	1.1	22
16	A glucose amperometric sensor based on covalent immobilization of glucose oxidase in poly-2-aminoaniline film via chloranil on platinized platinum electrode. <i>Electroanalysis</i> , 1997, 9, 1416-1421.	1.5	21
17	Ferrocenyl Dendrimers Based on Octasilsesquioxane Cores. <i>Organometallics</i> , 2012, 31, 6344-6350.	1.1	20
18	Carbosilane based dendritic cores functionalized with interacting ferrocenyl units: synthesis and electrocatalytical properties. <i>New Journal of Chemistry</i> , 2011, 35, 2187.	1.4	17

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19	Electrocatalytic Properties of Carbosilane-Based Hyperbranched Polymers Functionalized with Interacting Ferrocenyl Units. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 44-53.	1.0	15
20	Multiperational Oxidase Biosensors Based on Carbosilane Dendrimers with Interacting Ferrocenes. <i>Electroanalysis</i> , 2011, 23, 2888-2897.	1.5	13
21	New acetaminophen amperometric sensor based on ferrocenyl dendrimers deposited onto Pt nanoparticles. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1551-1563.	1.2	13
22	Polyferrocenyl Polycyclosiloxane/Gold Nanoparticles: An Efficient Electrocatalytic Platform for Immobilization and Direct Electrochemistry of HRP. <i>Journal of the Electrochemical Society</i> , 2016, 163, H826-H833.	1.3	10
23	Cation Analysis Scheme by Differential Pulse Polarography. <i>Journal of Chemical Education</i> , 1996, 73, 544.	1.1	9
24	Size-controlled gold nanoparticles obtained from electrodeposited amidoferrocenylpoly(propyleneimine) dendrimer-templates for the electrochemical sensing of dopamine. <i>Applied Surface Science</i> , 2017, 420, 651-660.	3.1	9
25	New Carbosilane Polymers with Interacting Ferrocenes as Support and Bioelectrocatalysts of Oxidases to Develop Versatile and Specific Amperometric Biodevices. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 1778-1791.	1.4	8
26	Three-dimensional electrocatalytic surface based on an octasilsesquioxane dendrimer for sensing applications. <i>Journal of Electroanalytical Chemistry</i> , 2019, 839, 16-24.	1.9	8
27	An Amperometric Sensor Based on Covalent Immobilization of Glucose Oxidase in Electropolymerized Chloranil-N-Aminopyrrole Films. <i>Electroanalysis</i> , 2001, 13, 1016-1021.	1.5	6
28	Synthesis and Electrochemistry of ((Diferrocenylsilyl)propyl)- and ((Triferrocenylsilyl)propyl)triethoxysilanes. <i>Organometallics</i> , 2013, 32, 5826-5833.	1.1	6
29	Easy Preparation of Electrode Surfaces with Dispersed Size-Controlled Au Nanoparticles by Electrodeposited PPI-Dendrimers as Templates. <i>Journal of the Electrochemical Society</i> , 2017, 164, H396-H406.	1.3	6
30	Direct quantification of inorganic iodine in seawater by mixed-mode liquid chromatography-electrospray ionization-mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1588, 99-107.	1.8	6
31	Efficient Oxidase Biosensors Based on Bioelectrocatalytic Surfaces of Electrodeposited Ferrocenyl Polycyclosiloxanes-Pt Nanoparticles. <i>Chemosensors</i> , 2021, 9, 81.	1.8	6
32	Monodispersed Size-Controlled Gold Nanoparticles from Electrodeposited Aminoferrocenyl Dendrimer-Templates and Their Application as Efficient Hydrogen Peroxide Electrocatalyst. <i>Journal of the Electrochemical Society</i> , 2018, 165, B310-B322.	1.3	5
33	Thiolated DAB Dendrimers-Gold Nanoparticles as Self-Assembled Layers for the Direct Electrochemistry of HRP. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1434-B1440.	1.3	5
34	Knowledge-based system for the provision of an analytical strategy for simultaneous determination of metals by differential-pulse polarography. <i>Analytica Chimica Acta</i> , 1995, 316, 47-56.	2.6	3
35	A program for calculation and graphic representation of conditional constants I. Complex formation constants. <i>Computers & Chemistry</i> , 1995, 19, 137-139.	1.2	3
36	A program for calculation and graphic representation of conditional constants II. Solubility products. <i>Computers & Chemistry</i> , 1996, 20, 385-387.	1.2	3

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37	Covalently Cross-Linked Ferrocenyl PAMAMOS Dendrimer Networks. Australian Journal of Chemistry, 2011, 64, 147.	0.5	3
38	Synthesis, characterization and electrochemical behaviour of dimethyleneamine-bridged methylated and non-methylated biferrocenyl derivatives. Journal of Organometallic Chemistry, 2019, 896, 183-187.	0.8	1
39	Thiolated DAB Dendrimer-Gold Nanoparticles Self-Assembled Monolayer as Covalent Support for Direct Electrochemistry of HRP and Sensing Applications. Biomedical Journal of Scientific & Technical Research, 2019, 13, .	0.0	1
40	New Composites Based on Magnetic Nanoparticles and Polydopamine. , 0, , .		0