

J M Palacios-Santander

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/194536/publications.pdf>

Version: 2024-02-01

67
papers

1,406
citations

304743

22
h-index

377865

34
g-index

68
all docs

68
docs citations

68
times ranked

1452
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational approach and ultrasound Probe-Assisted synthesis of magnetic molecularly imprinted polymer for the electrochemical detection of bisphenol A. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 277, 115568.	3.5	18
2	Ceramic polyaniline-carbon composite obtained by ultrasound-assisted sol-gel route: Electrochemical performance towards environmental pollutants. <i>Journal of Electroanalytical Chemistry</i> , 2022, 905, 115971.	3.8	4
3	A novel magnetic molecularly imprinted polymer for selective extraction and determination of quercetin in plant samples. <i>Analytica Chimica Acta</i> , 2022, 1203, 339709.	5.4	22
4	A Sensitive Electrochemical Sensor Based on Sonogel-Carbon Material Enriched with Gold Nanoparticles for Melatonin Determination. <i>Sensors</i> , 2022, 22, 120.	3.8	10
5	A novel electrochemical sensor modified with green gold sononanoparticles and carbon black nanocomposite for bisphenol A detection. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 264, 114951.	3.5	49
6	Synthesis techniques of molecularly imprinted polymer composites. , 2021, , 49-91.		15
7	Analytical Applications of Molecularly Imprinted Polymer-decorated Magnetic Nanoparticles. , 2021, , 397-428.		7
8	Highly sensitive nanoplatform based on green gold sononanoparticles for phenol determination in olive oil. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 879-892.	2.9	1
9	One-minute and green synthesis of magnetic iron oxide nanoparticles assisted by design of experiments and high energy ultrasound: Application to biosensing and immunoprecipitation. <i>Materials Science and Engineering C</i> , 2021, 123, 112023.	7.3	16
10	Molecularly imprinted polymers based on polydopamine: Assessment of non-specific adsorption. <i>Microchemical Journal</i> , 2021, 164, 106043.	4.5	28
11	Simultaneous Detection of Glucose and Fructose in Synthetic Musts by Multivariate Analysis of Silica-Based Amperometric Sensor Signals. <i>Sensors</i> , 2021, 21, 4190.	3.8	4
12	E-Tongues/Noses Based on Conducting Polymers and Composite Materials: Expanding the Possibilities in Complex Analytical Sensing. <i>Sensors</i> , 2021, 21, 4976.	3.8	16
13	Fast microwave-assisted synthesis of magnetic molecularly imprinted polymer for sulfamethoxazole. <i>Talanta</i> , 2021, 232, 122430.	5.5	28
14	Silver nanostructures - poly(3,4-ethylenedioxythiophene) sensing material prepared by sinusoidal voltage procedure for detection of antioxidants. <i>Electrochimica Acta</i> , 2021, 393, 139082.	5.2	8
15	Polyaniline Nanofibers-Embedded Gold Nanoparticles Obtained by Template-Free Procedure with Immobilization Prospects. <i>Sensors</i> , 2021, 21, 8470.	3.8	2
16	A handling-free methodology for rapid determination of Cu species in seawater based on direct solid micro-samplers analysis by high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2020, 206, 120249.	5.5	10
17	Fast electroanalytical determination of Cannabidiol and Cannabinol in aqueous solution using Sonogel-Carbon-PEDOT devices. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114591.	3.8	15
18	Applications of Chitosan in Molecularly and Ion Imprinted Polymers. <i>Chemistry Africa</i> , 2020, 3, 513-533.	2.4	36

#	ARTICLE	IF	CITATIONS
19	Green nanomaterials fostering agrifood sustainability. TrAC - Trends in Analytical Chemistry, 2020, 125, 115840.	11.4	62
20	Green Synthesis of NanoMaterials for BioSensing. Nanotechnology in the Life Sciences, 2020, , 135-217.	0.6	4
21	Preparation and characterization of reusable Sonogel-Carbon electrodes containing carbon black: Application as amperometric sensors for determination of catechol. Journal of Electroanalytical Chemistry, 2020, 877, 114653.	3.8	4
22	Study of solvent effect on the synthesis of magnetic molecularly imprinted polymers based on ultrasound probe: Application for sulfonamide detection. Ultrasonics Sonochemistry, 2019, 58, 104670.	8.2	45
23	Biosynthesis of uniform ultra-small gold nanoparticles by aged Dracaena Draco L extracts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 581, 123744.	4.7	13
24	A simple phosphorus determination in walnuts and assessment of the assimilable fraction. Talanta, 2019, 204, 57-62.	5.5	6
25	Electrochemical Biosensors for Antioxidants. , 2019, , 105-146.		3
26	Screen-printed electrodes modified with green-synthesized gold nanoparticles for the electrochemical determination of amino thiols. Journal of Electroanalytical Chemistry, 2019, 847, 113184.	3.8	17
27	Assessment of the Polyphenol Indices and Antioxidant Capacity for Beers and Wines Using a Tyrosinase-Based Biosensor Prepared by Sinusoidal Current Method. Sensors, 2019, 19, 66.	3.8	31
28	Fast route for the synthesis of decorated nanostructured magnetic molecularly imprinted polymers using an ultrasound probe. Ultrasonics Sonochemistry, 2019, 53, 226-236.	8.2	32
29	Analytical determination of the reducing and stabilization agents present in different Zostera noltii extracts used for the biosynthesis of gold nanoparticles. Journal of Photochemistry and Photobiology B: Biology, 2018, 179, 32-38.	3.8	17
30	Development of Sonogel-Carbon based biosensors using sinusoidal voltages and currents methods. Sensors and Actuators B: Chemical, 2018, 255, 1525-1535.	7.8	12
31	The Sonogel-Carbon-PEDOT Material: An Innovative Bulk Material for Sensor Devices. Journal of the Electrochemical Society, 2018, 165, B906-B915.	2.9	9
32	Comparison between Modified and Unmodified Carbon Paste Electrodes for Hexavalent Chromium Determination. Electroanalysis, 2018, 30, 2750-2759.	2.9	21
33	Determination of silver in seawater by the direct analysis of solvent bars by high resolution continuum source solid sampling graphite furnace atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2018, 33, 1925-1931.	3.0	7
34	Differential Pulse Voltammetric Determination of Piroxicam on Lanthanide Ferric Oxide Nanoparticles-Carbon Paste Modified Electrode. Current Pharmaceutical Analysis, 2018, 14, 271-276.	0.6	9
35	Development of a chemical model to predict the doses of calcium sulfate and tartaric acid to acidify musts in Sherry area. BIO Web of Conferences, 2017, 9, 02011.	0.2	0
36	Comprehensive chemical study of the acidification of musts in Sherry area with calcium sulphate and tartaric acid. BIO Web of Conferences, 2016, 7, 02023.	0.2	1

#	ARTICLE	IF	CITATIONS
37	A novel amperometric inhibition biosensor based on HRP and gold sononanoparticles immobilised onto Sonogel-Carbon electrode for the determination of sulphides. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 515-529.	3.3	7
38	Experimental design applied to optimisation of silica nanoparticles size obtained by sonosynthesis. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 378-388.	2.4	13
39	Electrocatalytic and antifouling properties of CeO ₂ -glassy carbon electrodes. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 3125-3131.	2.5	3
40	Selective methods for polyphenols and sulphur dioxide determination in wines. <i>Food Chemistry</i> , 2015, 182, 47-54.	8.2	39
41	Chemical modeling for pH prediction of acidified musts with gypsum and tartaric acid in warm regions. <i>Food Chemistry</i> , 2015, 168, 218-224.	8.2	5
42	Amperometric inhibition biosensors based on horseradish peroxidase and gold sononanoparticles immobilized onto different electrodes for cyanide measurements. <i>Bioelectrochemistry</i> , 2015, 101, 84-91.	4.6	53
43	Sonosynthesis of gold nanoparticles from a geranium leaf extract. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1570-1577.	8.2	49
44	Recent advances in graphite powder-based electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3525-3539.	3.7	42
45	Study of the Electrocatalytic Activity of Cerium Oxide and Gold-Studded Cerium Oxide Nanoparticles Using a Sonogel-Carbon Material as Supporting Electrode: Electroanalytical Study in Apple Juice for Babies. <i>Sensors</i> , 2013, 13, 4979-5007.	3.8	18
46	Comparative study of the electrocatalytic activity of different types of gold nanoparticles using Sonogel-Carbon material as supporting electrode. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 1244-1256.	7.8	14
47	Using a Flatbed Scanner To Measure Detergency: A Cost-Effective Undergraduate Laboratory. <i>Journal of Chemical Education</i> , 2011, 88, 1314-1317.	2.3	9
48	Estimation of beer stability by sulphur dioxide and polyphenol determination. Evaluation of a Laccase-Sonogel-Carbon biosensor. <i>Food Chemistry</i> , 2011, 127, 234-239.	8.2	22
49	New, fast and green procedure for the synthesis of gold nanoparticles based on sonocatalysis. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 789-794.	8.2	55
50	1-Furoylthiourea-Sonogel-Carbon electrodes: Structural and electrochemical characterization. <i>Talanta</i> , 2010, 82, 129-136.	5.5	7
51	Î ² -Sonogel-Carbon electrodes: A new alternative for the electrochemical determination of catecholamines. <i>Talanta</i> , 2009, 78, 370-376.	5.5	17
52	The Evaluation of Beer Aging. , 2009, , 913-922.		2
53	A third-generation hydrogen peroxide biosensor based on Horseradish Peroxidase (HRP) enzyme immobilized in a Nafionâ€™Sonogelâ€™Carbon composite. <i>Electrochimica Acta</i> , 2008, 53, 7131-7137.	5.2	85
54	A comparison of three amperometric phenoloxidaseâ€™Sonogelâ€™Carbon based biosensors for determination of polyphenols in beers. <i>Food Chemistry</i> , 2008, 110, 1019-1024.	8.2	66

#	ARTICLE	IF	CITATIONS
55	Multicomponent analysis in the wavelet domain of highly overlapped electrochemical signals: Resolution of quaternary mixtures of chlorophenols using a peg-modified Sonogelâ€“Carbon electrode. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008, 91, 110-120.	3.5	29
56	A chemometric strategy based on peak parameters to resolve overlapped electrochemical signals. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 85, 131-139.	3.5	9
57	Modified carbon-paste electrodes as sensors for the determination of 1,4-benzodiazepines: Application to the determination of diazepam and oxazepam in biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 575-583.	7.8	60
58	Study of the influence of the graphite powder particle size on the structure of the Sonogel-Carbon materials. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 40, 55-64.	2.4	37
59	Study of the Responses of a Sonogel-Carbon Electrode Towards Phenolic Compounds. <i>Electroanalysis</i> , 2005, 17, 806-814.	2.9	30
60	Electrochemical analysis of endosulfan using a C18-modified carbon-paste electrode. <i>Chemosphere</i> , 2005, 60, 1565-1571.	8.2	24
61	Beer Digestions for Metal Determination by Atomic Spectrometry and Residual Organic Matter. <i>Mikrochimica Acta</i> , 2004, 144, 183-190.	5.0	20
62	Use of Artificial Neural Networks, Aided by Methods to Reduce Dimensions, to Resolve Overlapped Electrochemical Signals. A Comparative Study Including other Statistical Methods. <i>Mikrochimica Acta</i> , 2003, 142, 27-36.	5.0	14
63	Multicomponent analysis of electrochemical signals in the wavelet domain. <i>Talanta</i> , 2003, 59, 735-749.	5.5	49
64	Classification and Prediction Techniques Applied to Metal Concentrations Produced by Welding Fumes in a Shipyard. <i>Toxicological and Environmental Chemistry</i> , 2002, 83, 45-53.	1.2	1
65	Rapid Procedure to Determine Wear Metals in Lubricating Oils and the Analysis of Variance in the Evaluation of Sample Preparation Procedures. <i>Mikrochimica Acta</i> , 2002, 138, 59-64.	5.0	12
66	Determination of Wear Metals in Marine Lubricating Oils by Microwave Digestion and Atomic Absorption Spectrometry. <i>Mikrochimica Acta</i> , 1999, 132, 89-94.	5.0	27
67	Application of a fractionary factorial design to the determination of tin in lubricating oils by continuous flow hydride generation-atomic absorption spectrometry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 364, 527-532.	1.5	6