

Jes s Iniesta

List of Publications by Year in descending order

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96
papers

3,205
citations

159585

30
h-index

161849

54
g-index

97
all docs

97
docs citations

97
times ranked

3472
citing authors

#	ARTICLE	IF	CITATIONS
1	A Fast and Simple Ozone-mediated Method towards Highly Activated Screen Printed Carbon Electrodes as Versatile Electroanalytical Tools. <i>Electroanalysis</i> , 2019, 31, 2437-2445.	2.9	6
2	Design and Characterization of Effective Ag, Pt and AgPt Nanoparticles to H ₂ O ₂ Electrosensing from Scrapped Printed Electrodes. <i>Sensors</i> , 2019, 19, 1685.	3.8	10
3	Electrochemical performance of activated screen printed carbon electrodes for hydrogen peroxide and phenol derivatives sensing. <i>Journal of Electroanalytical Chemistry</i> , 2019, 839, 75-82.	3.8	41
4	Polycondensation of Hexamethylenetetramine in Anhydrous Acid Media as a New Approach to Carbyne-Like Materials and Its Application as Dispersant of Carbon Materials. <i>Journal of Carbon Research</i> , 2019, 5, 54.	2.7	2
5	Fabrication, characterization and electrochemical response of pitch-derived open-pore carbon foams as electrodes. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 329-342.	2.9	9
6	pH effects on molecular hydrogen storage in porous organic cages deposited onto platinum electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 46-50.	3.8	5
7	Photoelectrochemical Response of WO ₃ /Nanoporous Carbon Anodes for Photocatalytic Water Oxidation. <i>Journal of Carbon Research</i> , 2018, 4, 45.	2.7	5
8	An alternative to hydrogenation processes. Electrocatalytic hydrogenation of benzophenone. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 537-546.	2.2	5
9	Platinum Nanoparticle Inclusion into a Carbonized Polymer of Intrinsic Microporosity: Electrochemical Characteristics of a Catalyst for Electroless Hydrogen Peroxide Production. <i>Nanomaterials</i> , 2018, 8, 542.	4.1	8
10	Preparation and Identification of Optimal Synthesis Conditions for a Novel Alkaline Anion-Exchange Membrane. <i>Polymers</i> , 2018, 10, 913.	4.5	13
11	Prospective Applications of Renewable Energy-Based Electrochemical Systems in Wastewater Treatment. , 2018, , 513-541.		4
12	The electrochemistry of 5-halocytosines at carbon based electrodes towards epigenetic sensing. <i>Electrochimica Acta</i> , 2018, 282, 459-468.	5.2	7
13	Dual-Plate Gold-Gold Microtrench Electrodes for Generator-Collector Voltammetry without Supporting Electrolyte. <i>Electrochimica Acta</i> , 2017, 224, 487-495.	5.2	5
14	Carbonization of polymers of intrinsic microporosity to microporous heterocarbon: Capacitive pH measurements. <i>Applied Materials Today</i> , 2017, 9, 136-144.	4.3	11
15	The Role of Carbon on Copper-carbon Composites for the Electrooxidation of Alcohols in an Alkaline Medium. <i>Journal of Carbon Research</i> , 2017, 3, 36.	2.7	5
16	High Performance of Alkaline Anion-Exchange Membranes Based on Chitosan/Poly (vinyl) Alcohol Doped with Graphene Oxide for the Electrooxidation of Primary Alcohols. <i>Journal of Carbon Research</i> , 2016, 2, 10.	2.7	15
17	Generator-collector Voltammetry at Dual-plate Gold-gold Microtrench Electrodes as Diagnostic Tool in Ionic Liquids. <i>Electroanalysis</i> , 2016, 28, 1068-1076.	2.9	3
18	A Facile and Cost-effective Electroanalytical Strategy for the Quantification of Deoxyguanosine and Deoxyadenosine in Oligonucleotides Using Screen-printed Graphite Electrodes. <i>Electroanalysis</i> , 2016, 28, 3066-3074.	2.9	4

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19	[4+2]-Cycloaddition of sterically hindered thiophene S-oxides to alkenes and SO extrusion reactions of the cycloadducts. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 876-884.	1.6	7
20	Sulfur-mediated photochemical energy harvesting in nanoporous carbons. Carbon, 2016, 104, 253-259.	10.3	20
21	Self-discharge of AC/AC electrochemical capacitors in salt aqueous electrolyte. Electrochimica Acta, 2016, 202, 66-72.	5.2	41
22	L-Cysteine determination in embryo cell culture media using Co (II)-phthalocyanine modified disposable screen-printed electrodes. Journal of Electroanalytical Chemistry, 2016, 780, 303-310.	3.8	29
23	Electrodegradation of the Acid Green 28 dye using Ti/I ² -PbO ₂ and Ti-Pt/I ² -PbO ₂ anodes. Journal of Environmental Management, 2016, 183, 306-313.	7.8	19
24	Nanoporous carbon/WO ₃ anodes for an enhanced water photooxidation. Carbon, 2016, 108, 471-479.	10.3	27
25	Pencil it in: pencil drawn electrochemical sensing platforms. Analyst, The, 2016, 141, 4055-4064.	3.5	49
26	PERFORMANCE ASSESSMENT OF A POLYMER ELECTROLYTE MEMBRANE ELECTROCHEMICAL REACTOR UNDER ALKALINE CONDITIONS ~ A CASE STUDY WITH THE ELECTROOXIDATION OF ALCOHOLS. Electrochimica Acta, 2016, 206, 165-175.	5.2	4
27	High temperature low vacuum synthesis of a freestanding three-dimensional graphene nano-ribbon foam electrode. Journal of Materials Chemistry A, 2016, 4, 2617-2629.	10.3	19
28	Carbon materials for the electrooxidation of nucleobases, nucleosides and nucleotides toward cytosine methylation detection: a review. Analytical Methods, 2016, 8, 702-715.	2.7	31
29	Boron-doped diamond electrodes explored for the electroanalytical detection of 7-methylguanine and applied for its sensing within urine samples. Electrochimica Acta, 2016, 197, 167-178.	5.2	22
30	Electrochemical detection of cytosine and 5-methylcytosine on Au(111) surfaces. Electrochemistry Communications, 2016, 65, 27-30.	4.7	10
31	Can the mechanical activation (polishing) of screen-printed electrodes enhance their electroanalytical response?. Analyst, The, 2016, 141, 2791-2799.	3.5	65
32	Electrochemical lactate biosensor based upon chitosan/carbon nanotubes modified screen-printed graphite electrodes for the determination of lactate in embryonic cell cultures. Biosensors and Bioelectronics, 2016, 77, 1168-1174.	10.1	129
33	Boosting visible light conversion in the confined pore space of nanoporous carbons. Carbon, 2016, 96, 98-104.	10.3	20
34	Chitosan:poly (vinyl) alcohol composite alkaline membrane incorporating organic ionomers and layered silicate materials into a PEM electrochemical reactor. Journal of Membrane Science, 2016, 498, 395-407.	8.2	44
35	Voltammetric Behaviour of 7-Methylguanine Using Screen-Printed Graphite Electrodes: towards a Guanine Methylation Electrochemical Sensor. Electroanalysis, 2015, 27, 2766-2772.	2.9	17
36	Graphite Screen-Printed Electrodes Applied for the Accurate and Reagentless Sensing of pH. Analytical Chemistry, 2015, 87, 11666-11672.	6.5	44

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37	Electroanalytical detection of pindolol: comparison of unmodified and reduced graphene oxide modified screen-printed graphite electrodes. <i>Analyst</i> , The, 2015, 140, 1543-1550.	3.5	38
38	Preparation and characterization of novel chitosan-based mixed matrix membranes resistant in alkaline media. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	19
39	Imparting improvements in electrochemical sensors: evaluation of different carbon blacks that give rise to significant improvement in the performance of electroanalytical sensing platforms. <i>Electrochimica Acta</i> , 2015, 157, 125-133.	5.2	120
40	Carbon materials based on screen-printing electrochemical platforms in biosensing applications. <i>SPR Electrochemistry</i> , 2015, , 133-169.	0.7	6
41	Electrochemical Devices for Monitoring Biomarkers in Embryo Development. <i>Electrochimica Acta</i> , 2014, 140, 42-48.	5.2	3
42	Screen-printed electrode-based electrochemical detector coupled with in-situ ionic-liquid-assisted dispersive liquid-liquid microextraction for determination of 2,4,6-trinitrotoluene. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2197-2204.	3.7	31
43	Screen-printed graphite macroelectrodes for the direct electron transfer of cytochrome c: a deeper study of the effect of pH on the conformational states, immobilization and peroxidase activity. <i>Analyst</i> , The, 2014, 139, 1442-1448.	3.5	16
44	Cysteine-Cystine Redox Cycling in a Gold-Gold Dual-Plate Generator-Collector Microtrench Sensor. <i>Analytical Chemistry</i> , 2014, 86, 6748-6752.	6.5	26
45	Electrocatalytic activity of Ni-doped nanoporous carbons in the electrooxidation of propargyl alcohol. <i>Carbon</i> , 2014, 73, 291-302.	10.3	9
46	Voltammetric behaviour of free DNA bases, methylcytosine and oligonucleotides at disposable screen printed graphite electrode platforms. <i>Analyst</i> , The, 2013, 138, 5239.	3.5	33
47	Exploring the electrochemical performance of graphitic paste electrodes: graphene vs. graphite. <i>Analyst</i> , The, 2013, 138, 6354.	3.5	33
48	The fabrication of novel screen printed single-walled carbon nanotube electrodes: Electroanalytical applications. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 1043-1052.	7.8	49
49	Freestanding three-dimensional graphene foam gives rise to beneficial electrochemical signatures within non-aqueous media. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5962.	10.3	88
50	The electrochemistry of arylated anthraquinones in room temperature ionic liquids. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 367-375.	1.9	1
51	Electrochemical nitration of myoglobin at tyrosine 103: Structure and stability. <i>Archives of Biochemistry and Biophysics</i> , 2013, 529, 26-33.	3.0	7
52	Exploring the electrochemical behavior of screen printed graphite electrodes in a room temperature ionic liquid. <i>RSC Advances</i> , 2012, 2, 7735.	3.6	15
53	Development of a novel analytical approach combining the quantification of amino acids, organic acids and glucose using HPLC-UV-Vis and HPLC-MS with screening via NMR. <i>Analytical Methods</i> , 2012, 4, 284-290.	2.7	6
54	Electrochemically nitrated equine myoglobin at tyrosine 103: The structural consequences of the role of NO ₂ . <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 27, S37.	2.7	0

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55	Influence of tyrosine nitration on the structure and thermal stability of hen egg white lysozyme. Nitric Oxide - Biology and Chemistry, 2012, 27, S37-S38.	2.7	0
56	Electrochemistry of Q-Graphene. Nanoscale, 2012, 4, 6470.	5.6	40
57	Surprising electrooxidation of propargyl alcohol to (Z)-3-(2-propynoxy)-2-propenoic acid at a NiOOH electrode in alkaline medium. Electrochemistry Communications, 2012, 22, 200-202.	4.7	6
58	Screen printed graphite macroelectrodes for the direct electron transfer of cytochrome c. Analyst, The, 2011, 136, 2146.	3.5	20
59	Nitration of lysozyme by ultrasonic waves; demonstration by immunochemistry and mass spectrometry. Ultrasonics Sonochemistry, 2011, 18, 334-344.	8.2	0
60	Direct oxidation of methionine at screen printed graphite macroelectrodes: Towards rapid sensing platforms. Sensors and Actuators B: Chemical, 2011, 155, 831-836.	7.8	38
61	Electron capture dissociation mass spectrometry of tyrosine nitrated peptides. Journal of the American Society for Mass Spectrometry, 2010, 21, 268-277.	2.8	42
62	Retention of enzyme activity with a boron-doped diamond electrode in the electro-oxidative nitration of lysozyme. Enzyme and Microbial Technology, 2010, 46, 472-478.	3.2	8
63	Top-Down Mass Analysis of Protein Tyrosine Nitration: Comparison of Electron Capture Dissociation with "Slow-Heating" Tandem Mass Spectrometry Methods. Analytical Chemistry, 2010, 82, 7283-7292.	6.5	25
64	Brominated Thiophenes as Precursors in the Preparation of Brominated and Arylated Anthraquinones. Molecules, 2009, 14, 1013-1031.	3.8	14
65	Arylation of chloroanthraquinones by surprisingly facile Suzuki-Miyaura cross-coupling reactions. Journal of Chemical Research, 2009, 2009, 732-736.	1.3	7
66	Degradation of phenol using Co- and Co,F-doped PbO ₂ anodes in electrochemical filter-press cells. Journal of Hazardous Materials, 2008, 153, 252-260.	12.4	109
67	Specific electrochemical iodination of horse heart myoglobin at tyrosine 103 as determined by Fourier transform ion cyclotron resonance mass spectrometry. Archives of Biochemistry and Biophysics, 2008, 474, 1-7.	3.0	16
68	Thermal oxidation of tetracyclones (2,3,4,5-tetraarylcyclopentadienones). Journal of Chemical Research, 2008, 2008, 173-180.	1.3	6
69	The chemistry of thiophene S-oxides ¹ and related compounds. Arkivoc, 2008, 2009, 96-113.	0.5	3
70	On the performance of Fe and Fe,F doped Ti/Pt/PbO ₂ electrodes in the electrooxidation of the Blue Reactive 19 dye in simulated textile wastewater. Chemosphere, 2007, 66, 2035-2043.	8.2	161
71	Optimisation of 20 kHz sonoreactor geometry on the basis of numerical simulation of local ultrasonic intensity and qualitative comparison with experimental results. Ultrasonics Sonochemistry, 2007, 14, 19-28.	8.2	124
72	Mass spectrometry in demonstrating the site-specific nitration of hen egg white lysozyme by an improved electrochemical method. Analytical Biochemistry, 2006, 356, 171-181.	2.4	15

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73	Electrochemical oxidation of tetracyclones and tetraphenylthiophene-S-oxide. <i>Electrochimica Acta</i> , 2006, 51, 5682-5690.	5.2	11
74	Characterization of a 20 kHz sonoreactor. Part II: analysis of chemical effects by classical and electrochemical methods. <i>Ultrasonics Sonochemistry</i> , 2005, 12, 67-72.	8.2	39
75	Characterization of a 20 kHz sonoreactor. Part I: analysis of mechanical effects by classical and numerical methods. <i>Ultrasonics Sonochemistry</i> , 2005, 12, 59-65.	8.2	83
76	Sonovoltammetric studies on copper in buffered alkaline solution. <i>Ultrasonics Sonochemistry</i> , 2004, 11, 223-226.	8.2	15
77	Electrodeposition of PbO ₂ on glassy carbon electrodes: influence of ultrasound frequency. <i>Electrochemistry Communications</i> , 2004, 6, 757-761.	4.7	30
78	Sonoelectrochemical effects in electro-organic systems. <i>Ultrasonics Sonochemistry</i> , 2003, 10, 209-216.	8.2	28
79	Development of a Fully Automatic Microwave Assisted Chemical Oxygen Demand (COD) Measurement Device. <i>Instrumentation Science and Technology</i> , 2003, 31, 249-259.	1.8	19
80	Electrochemical Treatment of Industrial Wastewater Containing Phenols. <i>Journal of the Electrochemical Society</i> , 2002, 149, D57.	2.9	65
81	Electrodeposition of PbO ₂ on glassy carbon electrodes: influence of ultrasound power. <i>Electrochemistry Communications</i> , 2002, 4, 370-373.	4.7	26
82	Influence of chloride ion on electrochemical degradation of phenol in alkaline medium using bismuth doped and pure PbO ₂ anodes. <i>Water Research</i> , 2001, 35, 3291-3300.	11.3	131
83	Kinetics of electrocrystallisation of PbO ₂ on glassy carbon electrodes: influence of ultrasound. <i>New Journal of Chemistry</i> , 2001, 25, 1195-1198.	2.8	15
84	Lead electrowinning in an acid chloride medium. <i>Journal of Power Sources</i> , 2001, 92, 260-266.	7.8	23
85	Use of hydrogen diffusion anodes during lead electrowinning in a chloride medium. <i>Journal of Power Sources</i> , 2001, 101, 103-108.	7.8	6
86	Electrochemical oxidation of 3-methylpyridine at a boron-doped diamond electrode: application to electroorganic synthesis and wastewater treatment. <i>Electrochemistry Communications</i> , 2001, 3, 346-351.	4.7	123
87	Kinetics of Electrocrystallization of PbO ₂ on Glassy Carbon Electrodes. Influence of the Electrode Rotation. <i>Electroanalysis</i> , 2001, 13, 1258-1264.	2.9	15
88	Electrochemical oxidation of phenol at boron-doped diamond electrode. <i>Electrochimica Acta</i> , 2001, 46, 3573-3578.	5.2	537
89	Theoretical Concepts and Applications of a Rotating Disk Electrode. <i>Journal of Chemical Education</i> , 2000, 77, 1191.	2.3	34
90	Kinetics of Electrocrystallization of PbO ₂ on Glassy Carbon Electrodes Partial Inhibition of the Progressive Three-Dimensional Nucleation and Growth. <i>Journal of the Electrochemical Society</i> , 2000, 147, 2969.	2.9	26

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91	The Application of Electrodialysis to Desalting an Amino Acid Solution. Journal of Chemical Education, 2000, 77, 1477.	2.3	11
92	Early stages of lead dioxide electrodeposition on rough titanium. Thin Solid Films, 1999, 352, 49-56.	1.8	28
93	Electrochemical Regeneration of a Spent Oxidizing Solution: Example of a Clean Chemical Process. Journal of Chemical Education, 1999, 76, 1423.	2.3	1
94	On the voltammetric behavior of a platinized titanium surface with respect to the specific hydrogen and anion adsorption and charge transfer processes. Journal of Materials Chemistry, 1999, 9, 3141-3145.	6.7	12
95	Effects of ultrasound on the electrodeposition of lead dioxide on glassy carbon electrodes. New Journal of Chemistry, 1998, 22, 343-349.	2.8	38
96	Facile access to amidoethyl-p-benzoquinones. , 0, , .		0