

# 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	Electrochemical oxidation of phenol at boron-doped diamond electrode. <i>Electrochimica Acta</i> , 2001, 46, 3573-3578.	5.2	537
2	On the performance of Fe and Fe,F doped Tiâ€“Pt/PbO <sub>2</sub> electrodes in the electrooxidation of the Blue Reactive 19 dye in simulated textile wastewater. <i>Chemosphere</i> , 2007, 66, 2035-2043.	8.2	161
3	Influence of chloride ion on electrochemical degradation of phenol in alkaline medium using bismuth doped and pure PbO <sub>2</sub> anodes. <i>Water Research</i> , 2001, 35, 3291-3300.	11.3	131
4	Electrochemical lactate biosensor based upon chitosan/carbon nanotubes modified screen-printed graphite electrodes for the determination of lactate in embryonic cell cultures. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1168-1174.	10.1	129
5	Optimisation of 20 kHz sonoreactor geometry on the basis of numerical simulation of local ultrasonic intensity and qualitative comparison with experimental results. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 19-28.	8.2	124
6	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
7	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
8	Degradation of phenol using Co- and Co,F-doped PbO <sub>2</sub> anodes in electrochemical filter-press cells. <i>Journal of Hazardous Materials</i> , 2008, 153, 252-260.	12.4	109
9	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
10	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
11	Electrochemical Treatment of Industrial Wastewater Containing Phenols. <i>Journal of the Electrochemical Society</i> , 2002, 149, D57.	2.9	65
12	Can the mechanical activation (polishing) of screen-printed electrodes enhance their electroanalytical response?. <i>Analyst, The</i> , 2016, 141, 2791-2799.	3.5	65
13	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
14	Pencil it in: pencil drawn electrochemical sensing platforms. <i>Analyst, The</i> , 2016, 141, 4055-4064.	3.5	49
15	Graphite Screen-Printed Electrodes Applied for the Accurate and Reagentless Sensing of pH. <i>Analytical Chemistry</i> , 2015, 87, 11666-11672.	6.5	44
16	Chitosan:poly (vinyl) alcohol composite alkaline membrane incorporating organic ionomers and layered silicate materials into a PEM electrochemical reactor. <i>Journal of Membrane Science</i> , 2016, 498, 395-407.	8.2	44
17	Electron capture dissociation mass spectrometry of tyrosine nitrated peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 268-277.	2.8	42
18	Self-discharge of AC/AC electrochemical capacitors in salt aqueous electrolyte. <i>Electrochimica Acta</i> , 2016, 202, 66-72.	5.2	41

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19	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
20	Electrochemistry of Q-Graphene. <i>Nanoscale</i> , 2012, 4, 6470.	5.6	40
21	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
22	Effects of ultrasound on the electrodeposition of lead dioxide on glassy carbon electrodes. <i>New Journal of Chemistry</i> , 1998, 22, 343-349.	2.8	38
23	Direct oxidation of methionine at screen printed graphite macroelectrodes: Towards rapid sensing platforms. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 831-836.	7.8	38
24	Electroanalytical detection of pindolol: comparison of unmodified and reduced graphene oxide modified screen-printed graphite electrodes. <i>Analyst, The</i> , 2015, 140, 1543-1550.	3.5	38
25	Theoretical Concepts and Applications of a Rotating Disk Electrode. <i>Journal of Chemical Education</i> , 2000, 77, 1191.	2.3	34
26	Voltammetric behaviour of free DNA bases, methylcytosine and oligonucleotides at disposable screen printed graphite electrode platforms. <i>Analyst, The</i> , 2013, 138, 5239.	3.5	33
27	Exploring the electrochemical performance of graphitic paste electrodes: graphene vs. graphite. <i>Analyst, The</i> , 2013, 138, 6354.	3.5	33
28	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
29	Carbon materials for the electrooxidation of nucleobases, nucleosides and nucleotides toward cytosine methylation detection: a review. <i>Analytical Methods</i> , 2016, 8, 702-715.	2.7	31
30	Electrodeposition of PbO <sub>2</sub> on glassy carbon electrodes: influence of ultrasound frequency. <i>Electrochemistry Communications</i> , 2004, 6, 757-761.	4.7	30
31	L-Cysteine determination in embryo cell culture media using Co (II)-phthalocyanine modified disposable screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2016, 780, 303-310.	3.8	29
32	Early stages of lead dioxide electrodeposition on rough titanium. <i>Thin Solid Films</i> , 1999, 352, 49-56.	1.8	28
33	Sonoelectrochemical effects in electro-organic systems. <i>Ultrasonics Sonochemistry</i> , 2003, 10, 209-216.	8.2	28
34	Nanoporous carbon/WO <sub>3</sub> anodes for an enhanced water photooxidation. <i>Carbon</i> , 2016, 108, 471-479.	10.3	27
35	Kinetics of Electrocrystallization of PbO <sub>2</sub> 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
36	Electrodeposition of PbO <sub>2</sub> on glassy carbon electrodes: influence of ultrasound power. <i>Electrochemistry Communications</i> , 2002, 4, 370-373.	4.7	26

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37	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
38	Top-Down Mass Analysis of Protein Tyrosine Nitration: Comparison of Electron Capture Dissociation with Slow-Heating Tandem Mass Spectrometry Methods. <i>Analytical Chemistry</i> , 2010, 82, 7283-7292.	6.5	25
39	Lead electrowinning in an acid chloride medium. <i>Journal of Power Sources</i> , 2001, 92, 260-266.	7.8	23
40	Boron-doped diamond electrodes explored for the electroanalytical detection of 7-methylguanine and applied for its sensing within urine samples. <i>Electrochimica Acta</i> , 2016, 197, 167-178.	5.2	22
41	Screen printed graphite macroelectrodes for the direct electron transfer of cytochrome c. <i>Analyst</i> , 2011, 136, 2146.	3.5	20
42	Sulfur-mediated photochemical energy harvesting in nanoporous carbons. <i>Carbon</i> , 2016, 104, 253-259.	10.3	20
43	Boosting visible light conversion in the confined pore space of nanoporous carbons. <i>Carbon</i> , 2016, 96, 98-104.	10.3	20
44	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
45	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
46	Electrodegradation of the Acid Green 28 dye using Ti/PbO <sub>2</sub> and Ti-Pt/PbO <sub>2</sub> anodes. <i>Journal of Environmental Management</i> , 2016, 183, 306-313.	7.8	19
47	High temperature low vacuum synthesis of a freestanding three-dimensional graphene nano-ribbon foam electrode. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2617-2629.	10.3	19
48	Voltammetric Behaviour of 7-Methylguanine Using Screen-Printed Graphite Electrodes: towards a Guanine Methylation Electrochemical Sensor. <i>Electroanalysis</i> , 2015, 27, 2766-2772.	2.9	17
49	Specific electrochemical iodination of horse heart myoglobin at tyrosine 103 as determined by Fourier transform ion cyclotron resonance mass spectrometry. <i>Archives of Biochemistry and Biophysics</i> , 2008, 474, 1-7.	3.0	16
50	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> , 2014, 139, 1442-1448.	3.5	16
51	Kinetics of electrocrystallisation of PbO <sub>2</sub> on glassy carbon electrodes: influence of ultrasound. <i>New Journal of Chemistry</i> , 2001, 25, 1195-1198.	2.8	15
52	Kinetics of Electrocrystallization of PbO <sub>2</sub> on Glassy Carbon Electrodes. Influence of the Electrode Rotation. <i>Electroanalysis</i> , 2001, 13, 1258-1264.	2.9	15
53	Sonovoltammetric studies on copper in buffered alkaline solution. <i>Ultrasonics Sonochemistry</i> , 2004, 11, 223-226.	8.2	15
54	Mass spectrometry in demonstrating the site-specific nitration of hen egg white lysozyme by an improved electrochemical method. <i>Analytical Biochemistry</i> , 2006, 356, 171-181.	2.4	15

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55	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
56	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
57	Brominated Thiophenes as Precursors in the Preparation of Brominated and Arylated Anthraquinones. <i>Molecules</i> , 2009, 14, 1013-1031.	3.8	14
58	Preparation and Identification of Optimal Synthesis Conditions for a Novel Alkaline Anion-Exchange Membrane. <i>Polymers</i> , 2018, 10, 913.	4.5	13
59	On the voltammetric behavior of a platinized titanium surface with respect to the specific hydrogen and anion adsorption and charge transfer processes. <i>Journal of Materials Chemistry</i> , 1999, 9, 3141-3145.	6.7	12
60	The Application of Electrodialysis to Desalting an Amino Acid Solution. <i>Journal of Chemical Education</i> , 2000, 77, 1477.	2.3	11
61	Electrochemical oxidation of tetracyclones and tetraphenylthiophene-S-oxide. <i>Electrochimica Acta</i> , 2006, 51, 5682-5690.	5.2	11
62	Carbonization of polymers of intrinsic microporosity to microporous heterocarbon: Capacitive pH measurements. <i>Applied Materials Today</i> , 2017, 9, 136-144.	4.3	11
63	Electrochemical detection of cytosine and 5-methylcytosine on Au(111) surfaces. <i>Electrochemistry Communications</i> , 2016, 65, 27-30.	4.7	10
64	Design and Characterization of Effective Ag, Pt and AgPt Nanoparticles to H <sub>2</sub> O <sub>2</sub> Electroensing from Strapped Printed Electrodes. <i>Sensors</i> , 2019, 19, 1685.	3.8	10
65	Electrocatalytic activity of Ni-doped nanoporous carbons in the electrooxidation of propargyl alcohol. <i>Carbon</i> , 2014, 73, 291-302.	10.3	9
66	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
67	Retention of enzyme activity with a boron-doped diamond electrode in the electro-oxidative nitration of lysozyme. <i>Enzyme and Microbial Technology</i> , 2010, 46, 472-478.	3.2	8
68	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
69	Arylation of chloroanthraquinones by surprisingly facile Suzuki-Miyaura cross-coupling reactions. <i>Journal of Chemical Research</i> , 2009, 2009, 732-736.	1.3	7
70	Electrochemical nitration of myoglobin at tyrosine 103: Structure and stability. <i>Archives of Biochemistry and Biophysics</i> , 2013, 529, 26-33.	3.0	7
71	[4+2]-Cycloaddition of sterically hindered thiophene S-oxides to alkenes and SO extrusion reactions of the cycloadducts. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 876-884.	1.6	7
72	The electrochemistry of 5-halocytosines at carbon based electrodes towards epigenetic sensing. <i>Electrochimica Acta</i> , 2018, 282, 459-468.	5.2	7

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73	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
74	Thermal oxidation of tetracyclones (2,3,4,5-tetraarylcyclopentadienones). <i>Journal of Chemical Research</i> , 2008, 2008, 173-180.	1.3	6
75	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
76	Surprising electrooxidation of propargyl alcohol to (Z)-3-(2-propynoxy)-2-propenoic acid at a NiOOH electrode in alkaline medium. <i>Electrochemistry Communications</i> , 2012, 22, 200-202.	4.7	6
77	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
78	Carbon materials based on screen-printing electrochemical platforms in biosensing applications. <i>SPR Electrochemistry</i> , 2015, , 133-169.	0.7	6
79	Dual-Plate Gold-Gold Microtrench Electrodes for Generator-Collector Voltammetry without Supporting Electrolyte. <i>Electrochimica Acta</i> , 2017, 224, 487-495.	5.2	5
80	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
81	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
82	Photoelectrochemical Response of WO <sub>3</sub> /Nanoporous Carbon Anodes for Photocatalytic Water Oxidation. <i>Journal of Carbon Research</i> , 2018, 4, 45.	2.7	5
83	An alternative to hydrogenation processes. Electrocatalytic hydrogenation of benzophenone. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 537-546.	2.2	5
84	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
85	PERFORMANCE ASSESSMENT OF A POLYMER ELECTROLYTE MEMBRANE ELECTROCHEMICAL REACTOR UNDER ALKALINE CONDITIONS – A CASE STUDY WITH THE ELECTROOXIDATION OF ALCOHOLS. <i>Electrochimica Acta</i> , 2016, 206, 165-175.	5.2	4
86	Prospective Applications of Renewable Energy-Based Electrochemical Systems in Wastewater Treatment. , 2018, , 513-541.		4
87	Electrochemical Devices for Monitoring Biomarkers in Embryo Development. <i>Electrochimica Acta</i> , 2014, 140, 42-48.	5.2	3
88	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
89	The chemistry of thiophene S-oxides <sup>1</sup> and related compounds. <i>Arkivoc</i> , 2008, 2009, 96-113.	0.5	3
90	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

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91	Electrochemical Regeneration of a Spent Oxidizing Solution: Example of a Clean Chemical Process. Journal of Chemical Education, 1999, 76, 1423.	2.3	1
92	The electrochemistry of arylated anthraquinones in room temperature ionic liquids. Journal of Physical Organic Chemistry, 2013, 26, 367-375.	1.9	1
93	Nitration of lysozyme by ultrasonic waves; demonstration by immunochemistry and mass spectrometry. Ultrasonics Sonochemistry, 2011, 18, 334-344.	8.2	0
94	Electrochemically nitrated equine myoglobin at tyrosine 103: The structural consequences of the role of NO <sub>2</sub> . Nitric Oxide - Biology and Chemistry, 2012, 27, S37.	2.7	0
95	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
96	Facile access to amidoethyl-p-benzoquinones. , 0, , .		0