Angel A J Torriero

List of Publications by Year
in descending order

67 papers	2,660 citations	201674 27 h-index	182427 51 g-index
69 all docs	69 docs citations	69 times ranked	3666 citing authors

#	Article	IF	Citations
1	Application of ionic liquids in electrochemical sensing systems. Biosensors and Bioelectronics, 2011, 26, 1775-1787.	10.1	377
2	Electrochemistry of Room Temperature Protic Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 6923-6936.	2.6	254
3	Oxygen Reduction Reaction Activity of La-Based Perovskite Oxides in Alkaline Medium: A Thin-Film Rotating Ring-Disk Electrode Study. Journal of Physical Chemistry C, 2012, 116, 5827-5834.	3.1	253
4	High current density, efficient cycling of Zn2+ in 1-ethyl-3-methylimidazolium dicyanamide ionic liquid: The effect of Zn2+ salt and water concentration. Electrochemistry Communications, 2012, 18, 119-122.	4.7	136
5	Voltammetric determination of salicylic acid in pharmaceuticals formulations of acetylsalicylic acid. Talanta, 2004, 62, 247-254.	5.5	91
6	Microbial nanowires: an electrifying tale. Microbiology (United Kingdom), 2016, 162, 2017-2028.	1.8	78
7	Nonadditivity of Faradaic Currents and Modification of Capacitance Currents in the Voltammetry of Mixtures of Ferrocene and the Cobaltocenium Cation in Protic and Aprotic Ionic Liquids. Journal of the American Chemical Society, 2009, 131, 7976-7989.	13.7	71
8	Electrochemical, Transport, and Spectroscopic Properties of 1-Ethyl-3-methylimidazolium Ionic Liquid Electrolytes Containing Zinc Dicyanamide. Journal of Physical Chemistry C, 2013, 117, 2662-2669.	3.1	69
9	Fluorescent and Electrochemical Sensing of Polyphosphate Nucleotides by Ferrocene Functionalised with Two Zn^{II}(TACN)(pyrene) Complexes. Chemistry - A European Journal, 2010, 16, 9154-9163.	3.3	60
10	Physical and Electrochemical Properties of Thioether-Functionalized Ionic Liquids. Journal of Physical Chemistry B, 2009, 113, 11222-11231.	2.6	59
11	Extraction of Copper(II) Ions from Aqueous Solutions with a Methimazole-Based Ionic Liquid. Analytical Chemistry, 2010, 82, 7691-7698.	6.5	58
12	Highly Selective and Sensitive DNA Assay Based on Electrocatalytic Oxidation of Ferrocene Bearing Zinc(II)â˜Cyclen Complexes with Diethylamine. Journal of the American Chemical Society, 2010, 132, 10053-10063.	13.7	57
13	Protic ionic liquids based on phosphonium cations: comparison with ammonium analogues. Chemical Communications, 2011, 47, 11612.	4.1	55
14	Sensitive determination of ciprofloxacin and norfloxacin in biological fluids using an enzymatic rotating biosensor. Biosensors and Bioelectronics, 2006, 22, 109-115.	10.1	54
15	Speciation analysis of selenium in natural water using square-wave voltammetry after preconcentration on activated carbon. Analytica Chimica Acta, 2006, 572, 32-38.	5.4	50
16	The formation of gold nanoparticles using hydroquinone as a reducing agent through a localized pH change upon addition of NaOH to a solution of HAuCl4. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 370, 35-41.	4.7	50
17	Discharge behaviour and interfacial properties of a magnesium battery incorporating trihexyl(tetradecyl)phosphonium based ionic liquid electrolytes. Electrochimica Acta, 2013, 87, 701-708.	5.2	44
18	Enzymatic rotating biosensor for ciprofloxacin determination. Talanta, 2006, 69, 691-699.	5.5	43

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19	Redox Chemistry of the Superoxide Ion in a Phosphonium-Based Ionic Liquid in the Presence of Water. Journal of Physical Chemistry Letters, 2013, 4, 1834-1837.	4.6	43
20	Electrooxidation mechanism of non-steroidal anti-inflammatory drug piroxicam at glassy carbon electrode. Journal of Electroanalytical Chemistry, 2006, 588, 218-225.	3.8	41
21	Ionic liquid effects on the redox potential of ferrocene. Electrochemistry Communications, 2012, 16, 84-87.	4.7	40
22	Critical evaluation of reference systems for voltammetric measurements in ionic liquids. Electrochimica Acta, 2012, 82, 60-68.	5.2	39
23	Enzymatic rotating biosensor for cysteine and glutathione determination in a FIA system. Talanta, 2006, 68, 1343-1352.	5.5	33
24	Enzymatic oxidation of tert-butylcatechol in the presence of sulfhydryl compounds: Application to the amperometric detection of penicillamine. Talanta, 2007, 71, 1198-1204.	5.5	33
25	Inquisition of Microcystis aeruginosa and Synechocystis nanowires: characterization and modelling. Antonie Van Leeuwenhoek, 2015, 108, 1213-1225.	1.7	32
26	Multienzymatic-rotating biosensor for total cholesterol determination in a FIA system. Talanta, 2006, 70, 244-250.	5.5	31
27	Nonadditivity of Faradaic Currents and Modification of Double Layer Capacitance in the Voltammetry of Mixtures of Ferrocene and Ferrocenium Salts in Ionic Liquids. Analytical Chemistry, 2010, 82, 1680-1691.	6.5	30
28	Characterization of decamethylferrocene and ferrocene in ionic liquids: argon and vacuum effect on their electrochemical properties. Electrochimica Acta, 2014, 137, 235-244.	5.2	26
29	Methimazole-Based Ionic Liquids. Journal of Organic Chemistry, 2008, 73, 4676-4679.	3.2	24
30	Continuous-flow/stopped-flow system for determination of ascorbic acid using an enzymatic rotating bioreactor. Talanta, 2004, 64, 1009-1017.	5.5	23
31	Supported Silver Nanoparticle and Near-Interface Solution Dynamics in a Deep Eutectic Solvent. Journal of Physical Chemistry C, 2016, 120, 1534-1545.	3.1	23
32	Continuous-flow system for horseradish peroxidase enzyme assay comprising a packed-column, an amperometric detector and a rotating bioreactor. Talanta, 2005, 66, 92-102.	5.5	22
33	Nanoporous transition metal oxynitrides as catalysts for the oxygen reduction reaction. Electrochimica Acta, 2013, 103, 151-160.	5.2	22
34	Immobilized Artificial Membrane Chromatography:â€‰ Quantitative Structure-Retention Relationships of Structurally Diverse Drugs. Journal of Chemical Information and Computer Sciences, 2003, 43, 2129-2136.	2.8	21
35	Penicillamine determination using a tyrosinase micro-rotating biosensor. Analytica Chimica Acta, 2006, 580, 136-142.	5.4	20
36	Synthesis, Xâ€ray Structure of Ferrocene Bearing Bis(Znâ€cyclen) Complexes and the Selective Electrochemical Sensing of TpT. Chemistry - A European Journal, 2009, 15, 10988-10996.	3.3	20

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37	Synthesis, X-ray structure and electrochemical oxidation of palladium(ii) complexes of ferrocenyldiphenylphosphine. Dalton Transactions, 2010, 39, 9079.	3.3	19
38	Nitrile Functionalized Methimazole-Based Ionic Liquids. Journal of Organic Chemistry, 2010, 75, 8376-8382.	3.2	19
39	Bi-Functional Water/Oxygen Electrocatalyst Based on PdO-RuO₂Composites. Journal of the Electrochemical Society, 2013, 160, H74-H79.	2.9	19
40	Continuous-flow/stopped-flow system using an immunobiosensor for quantification of human serum IgG antibodies to Helicobacter pylori. Analytical Biochemistry, 2005, 337, 195-202.	2.4	18
41	Real-Time Quartz Crystal Microbalance Monitoring of Free Docosahexaenoic Acid Interactions with Supported Lipid Bilayers. Langmuir, 2016, 32, 11717-11727.	3.5	18
42	Homogeneous Electron-Transfer Reaction between Electrochemically Generated Ferrocenium Ions and Amine-Containing Compounds. Organometallics, 2013, 32, 5731-5739.	2.3	17
43	Milk lactate determination with a rotating bioreactor based on an electron transfer mediated by osmium complexes incorporating a continuous-flow/stopped-flow system. Analytica Chimica Acta, 2003, 498, 155-163.	5.4	15
44	Continuous-flow/stopped-flow system for enzyme immunoassay using a rotating bioreactor: determination of Chagas disease. Biosensors and Bioelectronics, 2005, 21, 313-321.	10.1	15
45	The Observation of Dianions Generated by Electrochemical Reduction oftrans-Stilbenes in Ionic Liquids at Room Temperature. Analytical Chemistry, 2013, 85, 6113-6120.	6.5	15
46	Extraction of silver(i) from aqueous solutions in the absence and presence of copper(ii) with a methimazole-based ionic liquid. Analyst, The, 2011, 136, 3314.	3.5	13
47	Electrocatalytic Dealkylation of Amines Mediated by Ferrocene. Organometallics, 2019, 38, 4280-4287.	2.3	13
48	Electrooxidation of [(Î·5-C5H5)Fe(CO)2]2 As a Probe of the Nucleophilic Properties of Ionic Liquid Anions. Inorganic Chemistry, 2010, 49, 2502-2511.	4.0	12
49	On choosing a reference redox system for electrochemical measurements: a cautionary tale. Journal of Solid State Electrochemistry, 2013, 17, 3021-3026.	2.5	10
50	Assessment of permethylated transition-metal sandwich complexes as internal reference redox systems in ionic liquids. Physical Chemistry Chemical Physics, 2013, 15, 2547.	2.8	10
51	Identification and topographical characterisation of microbial nanowires in Nostoc punctiforme. Antonie Van Leeuwenhoek, 2016, 109, 475-480.	1.7	10
52	Critical effects of polar fluorescent probes on the interaction of DHA with POPC supported lipid bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1135-1142.	2.6	8
53	Conditions Favoring the Formation of Monomeric Pt^{III} Derivatives in the Electrochemical Oxidation of transâ€[Pt^{II}{(pâ€BrC₆F₄)NCH₂CH₂NEt₂}2 ChemElectroChem, 2015, 2, 1048-1061.	3.4	7
54	Cyclopalladated complexes containing 2-C₆R₄PPh₂ ligands (R = H,) Tj ETQq0 0 0 rgBT /Overlock palladium(<scp>i</scp>). Dalton Transactions, 2015, 44, 3367-3377.	3.3	7

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55	Peroxide reduction by a metal-dependent catalase in Nostoc punctiforme (cyanobacteria). Applied Microbiology and Biotechnology, 2017, 101, 3781-3800.	3.6	6
56	Macrocycles Bearing Ferrocenyl Pendants and their Electrochemical Properties upon Binding to Divalent Transition Metal Cations. ChemPlusChem, 2018, 83, 728-738.	2.8	4
57	Electrochemical Impedance Spectroscopy Study of the interaction of Supported Lipid Bilayers with Free Docosahexaenoic Acid. Medicinal & Analytical Chemistry International, 2018, 2, .	0.2	3
58	Reference Systems for Voltammetric Measurements in Ionic Liquids. , 2015, , 75-111.		2
59	Understanding the Differences between a Quasi-Reference Electrode and a Reference Electrode. Medicinal & Analytical Chemistry International, 2019, 3, .	0.2	2
60	Bi-functional oxygen electrocatalysts based on Palladium oxide-Ruthenium oxide composites. Materials Research Society Symposia Proceedings, 2012, 1491, 13.	0.1	1
61	Critical Overview of the Use of Tethered Bilayer Lipid Membranes with Electrochemical Techniques. Medicinal & Analytical Chemistry International, 2018, 2, .	0.2	1
62	5th Australasian Symposium on Ionic Liquids. Australian Journal of Chemistry, 2012, 65, 1463.	0.9	0
63	Electrochemical Reaction of Organic Compounds in Ionic Liquids. , 2015, , 435-463.		0
64	Patterned Copper Sulfide Thin Films: a Method for Studying Leaching Behaviour. Australian Journal of Chemistry, 2017, 70, 26.	0.9	0
65	Comment on â€œAnalysis of Citric Acid in Beverages: Use of an Indicator Displacement Assayâ€• Journal of Chemical Education, 2017, 94, 405-406.	2.3	0
66	Electrochemical Oxidation of Catechol in the Presence of Methimazole: Application of Square-Wave Voltammetric Detection of Methimazole to Pharmaceutical Formulations. Medicinal & Analytical Chemistry International, 2019, 3, .	0.2	0
67	On Choosing Ferrocene as an Internal Reference Redox Scale for Voltammetric Measurements: A Cautionary Tale. Medicinal & Analytical Chemistry International, 2019, 3, .	0.2	0