

Angel A J Torriero

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

2,275

citations

26

h-index

47

g-index

69

ext. papers

2,438

ext. citations

5

avg, IF

4.93

L-index

#	Paper	IF	Citations
62	Application of ionic liquids in electrochemical sensing systems. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 1775-87	11.8	326
61	Electrochemistry of room temperature protic ionic liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 6923-36	3.4	233
60	Oxygen Reduction Reaction Activity of La-Based Perovskite Oxides in Alkaline Medium: A Thin-Film Rotating Ring-Disk Electrode Study. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 5827-5834	3.8	228
59	High current density, efficient cycling of Zn ²⁺ in 1-ethyl-3-methylimidazolium dicyanamide ionic liquid: The effect of Zn ²⁺ salt and water concentration. <i>Electrochemistry Communications</i> , 2012 , 18, 119-122	5.1	122
58	Voltammetric determination of salicylic acid in pharmaceuticals formulations of acetylsalicylic acid. <i>Talanta</i> , 2004 , 62, 247-54	6.2	77
57	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. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7976-89	16.4	64
56	Electrochemical, Transport, and Spectroscopic Properties of 1-Ethyl-3-methylimidazolium Ionic Liquid Electrolytes Containing Zinc Dicyanamide. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2662-2669	3.8	60
55	Microbial nanowires: an electrifying tale. <i>Microbiology (United Kingdom)</i> , 2016 , 162, 2017-2028	2.9	59
54	Physical and electrochemical properties of thioether-functionalized ionic liquids. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 11222-31	3.4	54
53	Extraction of copper(II) ions from aqueous solutions with a methimazole-based ionic liquid. <i>Analytical Chemistry</i> , 2010 , 82, 7691-8	7.8	53
52	Highly selective and sensitive DNA assay based on electrocatalytic oxidation of ferrocene bearing zinc(II)-cyclen complexes with diethylamine. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10053-63	16.4	50
51	Fluorescent and electrochemical sensing of polyphosphate nucleotides by ferrocene functionalised with two Zn(II)(TACN)(pyrene) complexes. <i>Chemistry - A European Journal</i> , 2010 , 16, 9154-63	4.8	50
50	Protic ionic liquids based on phosphonium cations: comparison with ammonium analogues. <i>Chemical Communications</i> , 2011 , 47, 11612-4	5.8	45
49	Sensitive determination of ciprofloxacin and norfloxacin in biological fluids using an enzymatic rotating biosensor. <i>Biosensors and Bioelectronics</i> , 2006 , 22, 109-15	11.8	43
48	Speciation analysis of selenium in natural water using square-wave voltammetry after preconcentration on activated carbon. <i>Analytica Chimica Acta</i> , 2006 , 572, 32-8	6.6	41
47	Electrooxidation mechanism of non-steroidal anti-inflammatory drug piroxicam at glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 588, 218-225	4.1	38
46	Redox Chemistry of the Superoxide Ion in a Phosphonium-Based Ionic Liquid in the Presence of Water. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1834-7	6.4	37

45	The formation of gold nanoparticles using hydroquinone as a reducing agent through a localized pH change upon addition of NaOH to a solution of HAuCl ₄ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 370, 35-41	5.1	37
44	Enzymatic rotating biosensor for ciprofloxacin determination. <i>Talanta</i> , 2006 , 69, 691-9	6.2	36
43	Discharge behaviour and interfacial properties of a magnesium battery incorporating trihexyl(tetradecyl)phosphonium based ionic liquid electrolytes. <i>Electrochimica Acta</i> , 2013 , 87, 701-708	6.7	35
42	Critical evaluation of reference systems for voltammetric measurements in ionic liquids. <i>Electrochimica Acta</i> , 2012 , 82, 60-68	6.7	32
41	Ionic liquid effects on the redox potential of ferrocene. <i>Electrochemistry Communications</i> , 2012 , 16, 84-87.1	3.1	31
40	Enzymatic rotating biosensor for cysteine and glutathione determination in a FIA system. <i>Talanta</i> , 2006 , 68, 1343-52	6.2	31
39	Enzymatic oxidation of tert-butylcatechol in the presence of sulfhydryl compounds: Application to the amperometric detection of penicillamine. <i>Talanta</i> , 2007 , 71, 1198-204	6.2	30
38	Nonadditivity of faradaic currents and modification of double layer capacitance in the voltammetry of mixtures of ferrocene and ferrocenium salts in ionic liquids. <i>Analytical Chemistry</i> , 2010 , 82, 1680-91	7.8	29
37	Multienzymatic-rotating biosensor for total cholesterol determination in a FIA system. <i>Talanta</i> , 2006 , 70, 244-50	6.2	29
36	Methimazole-based ionic liquids. <i>Journal of Organic Chemistry</i> , 2008 , 73, 4676-9	4.2	23
35	Supported Silver Nanoparticle and Near-Interface Solution Dynamics in a Deep Eutectic Solvent. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 1534-1545	3.8	22
34	Inquisition of <i>Microcystis aeruginosa</i> and <i>Synechocystis</i> nanowires: characterization and modelling. <i>Antonie Van Leeuwenhoek</i> , 2015 , 108, 1213-25	2.1	21
33	Nanoporous transition metal oxynitrides as catalysts for the oxygen reduction reaction. <i>Electrochimica Acta</i> , 2013 , 103, 151-160	6.7	21
32	Characterization of decamethylferrocene and ferrocene in ionic liquids: argon and vacuum effect on their electrochemical properties. <i>Electrochimica Acta</i> , 2014 , 137, 235-244	6.7	20
31	Immobilized artificial membrane chromatography: quantitative structure-retention relationships of structurally diverse drugs. <i>Journal of Chemical Information and Computer Sciences</i> , 2003 , 43, 2129-36		20
30	Continuous-flow/stopped-flow system for determination of ascorbic acid using an enzymatic rotating bioreactor. <i>Talanta</i> , 2004 , 64, 1009-17	6.2	19
29	Nitrile functionalized methimazole-based ionic liquids. <i>Journal of Organic Chemistry</i> , 2010 , 75, 8376-82	4.2	18
28	Continuous-flow system for horseradish peroxidase enzyme assay comprising a packed-column, an amperometric detector and a rotating bioreactor. <i>Talanta</i> , 2005 , 66, 92-102	6.2	18

27	Bi-Functional Water/Oxygen Electrocatalyst Based on PdO-RuO ₂ Composites. <i>Journal of the Electrochemical Society</i> , 2013 , 160, H74-H79	3.9	17
26	Synthesis, X-ray structure of ferrocene bearing bis(Zn-cyclen) complexes and the selective electrochemical sensing of TpT. <i>Chemistry - A European Journal</i> , 2009 , 15, 10988-96	4.8	17
25	Synthesis, X-ray structure and electrochemical oxidation of palladium(II) complexes of ferrocenyldiphenylphosphine. <i>Dalton Transactions</i> , 2010 , 39, 9079-90	4.3	16
24	Continuous-flow/stopped-flow system using an immunobiosensor for quantification of human serum IgG antibodies to Helicobacter pylori. <i>Analytical Biochemistry</i> , 2005 , 337, 195-202	3.1	16
23	Penicillamine determination using a tyrosinase micro-rotating biosensor. <i>Analytica Chimica Acta</i> , 2006 , 580, 136-42	6.6	15
22	Homogeneous Electron-Transfer Reaction between Electrochemically Generated Ferrocenium Ions and Amine-Containing Compounds. <i>Organometallics</i> , 2013 , 32, 5731-5739	3.8	13
21	The observation of dianions generated by electrochemical reduction of trans-stilbenes in ionic liquids at room temperature. <i>Analytical Chemistry</i> , 2013 , 85, 6113-20	7.8	13
20	Extraction of silver(I) from aqueous solutions in the absence and presence of copper(II) with a methimazole-based ionic liquid. <i>Analyst, The</i> , 2011 , 136, 3314-22	5	13
19	Continuous-flow/stopped-flow system for enzyme immunoassay using a rotating bioreactor: determination of Chagas disease. <i>Biosensors and Bioelectronics</i> , 2005 , 21, 313-21	11.8	13
18	Real-Time Quartz Crystal Microbalance Monitoring of Free Docosahexaenoic Acid Interactions with Supported Lipid Bilayers. <i>Langmuir</i> , 2016 , 32, 11717-11727	4	13
17	Milk lactate determination with a rotating bioreactor based on an electron transfer mediated by osmium complexes incorporating a continuous-flow/stopped-flow system. <i>Analytica Chimica Acta</i> , 2003 , 498, 155-163	6.6	11
16	Electrooxidation of [(eta(5)-C ₅ H ₅)Fe(CO) ₂] ₂ as a probe of the nucleophilic properties of ionic liquid anions. <i>Inorganic Chemistry</i> , 2010 , 49, 2502-11	5.1	10
15	Identification and topographical characterisation of microbial nanowires in Nostoc punctiforme. <i>Antonie Van Leeuwenhoek</i> , 2016 , 109, 475-80	2.1	7
14	Assessment of permethylated transition-metal sandwich complexes as internal reference redox systems in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 2547-53	3.6	7
13	Electrocatalytic Dealkylation of Amines Mediated by Ferrocene. <i>Organometallics</i> , 2019 , 38, 4280-4287	3.8	6
12	Cyclopalladated complexes containing 2-C ₆ R ₄ PPh ₂ ligands (R = H, F): one-electron electrochemical reduction leading to metal-carbon bond cleavage via palladium(I). <i>Dalton Transactions</i> , 2015 , 44, 3367-743	4.3	5
11	On choosing a reference redox system for electrochemical measurements: a cautionary tale. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 3021-3026	2.6	5
10	Conditions Favoring the Formation of Monomeric Pt(III) Derivatives in the Electrochemical Oxidation of trans-[Pt(II){(p-BrC ₆ F ₄)NCH ₂ CH ₂ NEt ₂ }Cl(py)]. <i>ChemElectroChem</i> , 2015 , 2, 1048-1061	4.3	5

9	Peroxide reduction by a metal-dependent catalase in <i>Nostoc punctiforme</i> (cyanobacteria). <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 3781-3800	5.7	4
8	Critical effects of polar fluorescent probes on the interaction of DHA with POPC supported lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1135-1142	3.8	3
7	Reference Systems for Voltammetric Measurements in Ionic Liquids 2015 , 75-111		2
6	Macrocycles Bearing Ferrocenyl Pendants and their Electrochemical Properties upon Binding to Divalent Transition Metal Cations. <i>ChemPlusChem</i> , 2018 , 83, 728-738	2.8	2
5	Bi-functional oxygen electrocatalysts based on Palladium oxide-Ruthenium oxide composites. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1491, 13		1
4	Patterned Copper Sulfide Thin Films: a Method for Studying Leaching Behaviour. <i>Australian Journal of Chemistry</i> , 2017 , 70, 26	1.2	
3	Comment on Analysis of Citric Acid in Beverages: Use of an Indicator Displacement Assay <i>Journal of Chemical Education</i> , 2017 , 94, 405-406	2.4	
2	Electrochemical Reaction of Organic Compounds in Ionic Liquids 2015 , 435-463		
1	5th Australasian Symposium on Ionic Liquids. <i>Australian Journal of Chemistry</i> , 2012 , 65, 1463	1.2	