

Julio C Alvarez

List of Publications by Year in descending order

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13
papers

256
citations

1307594

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381
citing authors

#	ARTICLE	IF	CITATIONS
1	On-Chip Micropatterning of Plastic (Cyclic Olefin Copolymer, COC) Microfluidic Channels for the Fabrication of Biomolecule Microarrays Using Photografting Methods. <i>Langmuir</i> , 2007, 23, 1577-1583.	3.5	66
2	Acid/base and hydrogen bonding effects on the proton-coupled electron transfer of quinones and hydroquinones in acetonitrile: Mechanistic investigation by voltammetry, 1H NMR and computation. <i>Electrochimica Acta</i> , 2010, 55, 6507-6516.	5.2	45
3	The Role of Intermolecular Hydrogen Bonding and Proton Transfer in Proton-Coupled Electron Transfer. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10797-10805.	3.1	45
4	Buffer Effects in the Kinetics of Concerted Proton-Coupled Electron Transfer: The Electrochemical Oxidation of Glutathione Mediated by $[\text{IrCl}_6]^{2-}$ at Variable Buffer p <i>K</i> _a and Concentration. <i>Journal of Physical Chemistry C</i> , 2013, 117, 902-912.	3.1	34
5	Label-Free Detection of Heparin, Streptavidin, and Other Probes by Pulsed Streaming Potentials in Plastic Microfluidic Channels. <i>Analytical Chemistry</i> , 2008, 80, 6532-6536.	6.5	26
6	Comparing the Hydrogen-Bonding Effect of Brønsted Bases in Solution and When They Are Covalently Bound to the Surface of Glassy Carbon Electrodes in the Electrochemical Behavior of Hydroquinone. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20447-20457.	3.1	13
7	Thermodynamic and Kinetic Enhancement of Electrochemical Sensitivity by Chemical Coupling in Microfluidic Systems. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5829-5832.	13.8	8
8	Dynamics of Collisions and Adsorption in the Stochastic Electrochemistry of Emulsion Microdroplets. <i>Analytical Chemistry</i> , 2021, 93, 7993-8001.	6.5	7
9	Removal of electroanalytical interferences using thermodynamic and kinetic effects induced by in situ electrogeneration of protons. <i>Journal of Electroanalytical Chemistry</i> , 2009, 631, 76-79.	3.8	4
10	Interplay of proton and electron transfer to determine concerted behavior in the proton-coupled electron transfer of glutathione oxidation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17666-17675.	2.8	3
11	Reply to "Comment on "Buffer Effects in the Kinetics of Concerted Proton-Coupled Electron Transfer: The Electrochemical Oxidation of Glutathione Mediated by $[\text{IrCl}_6]^{2-}$ at Variable Buffer p <i>K</i> _a and Concentration". <i>Journal of Physical Chemistry C</i> , 2014, 118, 743-745.	3.1	2
12	Hydrogen Bonding and Proton Transfer in Aqueous Toluene Microdroplets Studied by Particle Collision Electrochemistry. <i>ChemElectroChem</i> , 2018, 5, 2528-2533.	3.4	2
13	Transmission mechanisms of fish electric signals. <i>Fish and Fisheries</i> , 2017, 18, 1176-1179.	5.3	1