

Francisco Prieto-Dapena

List of Publications by Year in descending order

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50
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757
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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Kinetics of the BpCu-Catalyzed Carbene Transfer Reaction (Bp = Dihyridobis(1-pyrazolyl)borate). Is a 14-Electron Species the Real Catalyst for the General Copper-Mediated Olefin Cyclopropanation?. <i>Organometallics</i> , 1999, 18, 2601-2609. | 1.1 | 65 |
| 2 | Mechanistic Determination Using Arrays of Variable-Sized Channel Microband Electrodes: The Oxidation of Ascorbic Acid in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 1998, 102, 7442-7447. | 1.2 | 55 |
| 3 | Adenine adsorption on Au(111) and Au(100) electrodes: Characterisation, surface reconstruction effects and thermodynamic study. <i>Electrochimica Acta</i> , 2007, 52, 3168-3180. | 2.6 | 41 |
| 4 | Detection of Tl(I) Transport through a Gramicidin-Dioleoylphosphatidylcholine Monolayer Using the Substrate Generation/Tip Collection Mode of Scanning Electrochemical Microscopy. <i>Langmuir</i> , 2002, 18, 9453-9461. | 1.6 | 39 |
| 5 | Electrochemical Impedance Study of Tl+Reduction through Gramicidin Channels in Self-Assembled Gramicidin-Modified Dioleoylphosphatidylcholine Monolayers on Mercury Electrodes. <i>Langmuir</i> , 1999, 15, 3672-3678. | 1.6 | 38 |
| 6 | Adenine Adsorption at Single Crystal and Thin-Film Gold Electrodes: An In Situ Infrared Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18784-18794. | 1.5 | 34 |
| 7 | In situ Fourier transform infrared reflection absorption spectroscopy study of adenine adsorption on gold electrodes in basic media. <i>Electrochimica Acta</i> , 2014, 140, 476-481. | 2.6 | 30 |
| 8 | Channel Microband Electrode Arrays for Mechanistic Electrochemistry. Two-Dimensional Voltammetry: A Transport-Limited Currents. <i>Analytical Chemistry</i> , 1998, 70, 1707-1720. | 3.2 | 28 |
| 9 | Electrochemical STM study of the adsorption of adenine on Au(111) electrodes. <i>Electrochemistry Communications</i> , 2013, 35, 61-64. | 2.3 | 26 |
| 10 | Impedance measurements with phospholipid-coated mercury electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1998, 454, 155-160. | 1.9 | 25 |
| 11 | Channel electrode voltammetry and reversible electro-dimerisation processes. The reduction of the methyl viologen di-cation in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 1997, 432, 63-70. | 1.9 | 24 |
| 12 | In situ infrared study of adenine adsorption on gold electrodes in acid media. <i>Electrochimica Acta</i> , 2012, 82, 534-542. | 2.6 | 22 |
| 13 | Quantitative Subtractively Normalized Interfacial Fourier Transform Infrared Reflection Spectroscopy Study of the Adsorption of Adenine on Au(111) Electrodes. <i>Langmuir</i> , 2016, 32, 3827-3835. | 1.6 | 19 |
| 14 | Voltammetry under High Mass Transport Conditions. The High-Speed Channel Electrode and Transient Measurements. <i>Journal of Physical Chemistry B</i> , 1997, 101, 5540-5544. | 1.2 | 15 |
| 15 | Electrode processes with coupled chemistry. Heterogeneous or homogeneous chemical reaction? The reduction of nitromethane in basic aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 1997, 437, 183-189. | 1.9 | 15 |
| 16 | Impedance voltammetry of electro-dimerization mechanisms: Application to the reduction of the methyl viologen di-cation at mercury electrodes and aqueous solutions. <i>Journal of Electroanalytical Chemistry</i> , 1998, 443, 227-235. | 1.9 | 15 |
| 17 | Heterogeneous ECE Processes at Channel Electrodes: Analytical Theory. Distinguishing Hetero- and Homogeneous ECE Reactions. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1515-1521. | 1.2 | 14 |
| 18 | Impedance study of thallos ion movement through gramicidin-dioleoylphosphatidylcholine self-assembled monolayers supported on mercury electrodes: the Ca ²⁺ (C) ⁺ CE mechanism. <i>Journal of Electroanalytical Chemistry</i> , 2003, 550-551, 253-265. | 1.9 | 13 |

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|----|---|-----|-----------|
| 19 | Interfacial properties of hypoxanthine adsorbed at the mercury-electrolyte interface. <i>Journal of Electroanalytical Chemistry</i> , 1997, 431, 257-267. | 1.9 | 12 |
| 20 | Kinetics of adenine adsorption on Au(111) electrodes: An impedance study. <i>Electrochimica Acta</i> , 2010, 55, 3301-3306. | 2.6 | 12 |
| 21 | Impedance Analysis of the Mechanism for Nitromethane Reduction in Aqueous Solutions: The Influence of pH. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16346-16355. | 2.9 | 11 |
| 22 | Evidences of adenine-thymine Interactions at gold electrodes interfaces as provided by in-situ infrared spectroscopy. <i>Electrochemistry Communications</i> , 2013, 35, 53-56. | 2.3 | 11 |
| 23 | TAUTOMERISM OF ADSORBED THYMINE ON GOLD ELECTRODES: AN IN SITU SURFACE-ENHANCED INFRARED SPECTROSCOPY STUDY. <i>Electrochimica Acta</i> , 2016, 201, 300-310. | 2.6 | 11 |
| 24 | Electrochemical Impedance Spectroscopy analysis of an adsorption process with a coupled preceding chemical step. <i>Electrochimica Acta</i> , 2017, 232, 164-173. | 2.6 | 11 |
| 25 | Electrochemical Impedance Spectroscopy study of the adsorption of adenine on Au(111) electrodes as a function of the pH. <i>Journal of Electroanalytical Chemistry</i> , 2017, 793, 209-217. | 1.9 | 11 |
| 26 | Analysis of the faradaic admittance for an ECE mechanism in the case of non-Randles behaviour with frequency and its application to nitromethane reduction. <i>Journal of Electroanalytical Chemistry</i> , 1992, 327, 1-23. | 1.9 | 10 |
| 27 | Impedance voltammetric analysis of a consecutive E-C-E mechanism with two diffusing intermediates with application to the reduction of nitromethane. <i>Journal of Electroanalytical Chemistry</i> , 1996, 405, 1-14. | 1.9 | 10 |
| 28 | Electroreduction of Nitromethane in Aqueous Solution. A Surface Indifferent Electrocatalytic Reaction. <i>Journal of Physical Chemistry B</i> , 1998, 102, 9187-9190. | 1.2 | 10 |
| 29 | Phospholipid and gramicidin-phospholipid-coated mercury electrodes as model systems of partially blocked electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2010, 649, 42-47. | 1.9 | 10 |
| 30 | Electrochemical characterization of a mixed lipid monolayer supported on Au(111) electrodes with implications for doxorubicin delivery. <i>Journal of Electroanalytical Chemistry</i> , 2018, 815, 246-254. | 1.9 | 10 |
| 31 | Channel Microband Electrode Arrays for Mechanistic Electrochemistry. Two-Dimensional Voltammetry: Electrode Kinetics. <i>Electroanalysis</i> , 1999, 11, 541-545. | 1.5 | 9 |
| 32 | In situ surface-enhanced infrared spectroscopy study of adenine-thymine co-adsorption on gold electrodes as a function of the pH. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 417-427. | 1.9 | 9 |
| 33 | Impedance analysis of the reduction of pyrimidine at the dropping mercury electrode. <i>Journal of Electroanalytical Chemistry</i> , 1994, 371, 179-189. | 1.9 | 8 |
| 34 | Mechanistic Determination Using Arrays of Variable Sized Channel Microband Electrodes: The Oxidation of 2,3,7,8-Tetramethoxythianthrene in the Presence of Pyridine in Acetonitrile Solution. <i>Electroanalysis</i> , 1998, 10, 685-690. | 1.5 | 8 |
| 35 | Application of electrochemical impedance spectroscopy to the study of surface processes. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1825-1854. | 1.0 | 8 |
| 36 | Electric-Field-Driven Molecular Recognition Reactions of Guanine with 1,2-Dipalmitoyl-glycerol-3-cytidine Monolayers Deposited on Gold Electrodes. <i>Langmuir</i> , 2019, 35, 9297-9307. | 1.6 | 8 |

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| 37 | Impedance analysis of the reduction of pyrimidine at a dropping mercury electrode. Journal of Electroanalytical Chemistry, 1994, 366, 127-134. | 1.9 | 7 |
| 38 | Cholesterol Levels Affect the Performance of AuNPs-Decorated Thermo-Sensitive Liposomes as Nanocarriers for Controlled Doxorubicin Delivery. Pharmaceutics, 2021, 13, 973. | 2.0 | 7 |
| 39 | Didodecyldimethylammonium Bromide Role in Anchoring Gold Nanoparticles onto Liposome Surface for Triggering the Drug Release. AAPS PharmSciTech, 2019, 20, 294. | 1.5 | 6 |
| 40 | Adsorption of pyrimidine at the mercury aqueous solution interface. Journal of Electroanalytical Chemistry, 1994, 379, 467-478. | 1.9 | 5 |
| 41 | Heterogeneous ECE Processes at Channel Electrodes: A Voltammetric Waveshape Theory. Application to the Reduction of Nitromethane at Platinum Electrodes. Journal of Physical Chemistry B, 1998, 102, 6573-6578. | 1.2 | 5 |
| 42 | Electrochemical impedance spectroscopy study of a surface confined redox reaction: The reduction of azobenzene on mercury in the absence of diffusion. Electrochimica Acta, 2011, 56, 7916-7922. | 2.6 | 5 |
| 43 | In situ surface enhanced infrared absorption spectroscopy study of the adsorption of cytosine on gold electrodes. Journal of Electroanalytical Chemistry, 2019, 849, 113362. | 1.9 | 5 |
| 44 | Spectroelectrochemical Characterization of 1,2-Dipalmitoyl-sn-glycero-3-cytidine Diphosphate Nucleolipid Monolayer Supported on Gold (111) Electrode. Langmuir, 2019, 35, 901-910. | 1.6 | 5 |
| 45 | Molecular recognition between guanine and cytosine-functionalized nucleolipid hybrid bilayers supported on gold (111) electrodes. Bioelectrochemistry, 2020, 132, 107416. | 2.4 | 4 |
| 46 | Salt and isotope effects upon a multistep electrode reaction: the reduction of nitromethane on mercury. Journal of Electroanalytical Chemistry, 1999, 474, 60-68. | 1.9 | 3 |
| 47 | Electrostatics affects formation of Watson-Crick complex between DNA bases in monolayers of nucleolipids deposited at a gold electrode surface. Electrochimica Acta, 2021, 390, 138816. | 2.6 | 3 |
| 48 | Mechanism of electrodimmerization of pyrimidine on mercury from acid solutions. Journal of Electroanalytical Chemistry, 1995, 384, 123-130. | 1.9 | 2 |
| 49 | Mixed monolayer of a nucleolipid and a phospholipid has improved properties for spectroelectrochemical sensing of complementary nucleobases. Journal of Electroanalytical Chemistry, 2021, 896, 115120. | 1.9 | 2 |
| 50 | Application of the high-speed channel flow cell to reactive chemistry at solid surfaces. Journal of Solid State Electrochemistry, 1999, 3, 187-192. | 1.2 | 1 |