Manuela Rueda

List of Publications by Year
in descending order

51 papers	792 citations	623734 14 h-index	580821 25 g-index
52 all docs	52 docs citations	52 times ranked	669 citing authors

#	Article	IF	Citations
1	Oxidation of L-ascorbic acid on a gold electrode. Electrochimica Acta, 1978, 23, 419-424.	5.2	145
2	Adenine adsorption on Au(111) and Au(100) electrodes: Characterisation, surface reconstruction effects and thermodynamic study. Electrochimica Acta, 2007, 52, 3168-3180.	5.2	41
3	Detection of Tl(I) Transport through a Gramicidinâˆ'Dioleoylphosphatidylcholine Monolayer Using the Substrate Generationâˆ'Tip Collection Mode of Scanning Electrochemical Microscopy. Langmuir, 2002, 18, 9453-9461.	3.5	39
4	Electrochemical Impedance Study of Tl+Reduction through Gramicidin Channels in Self-Assembled Gramicidin-Modified Dioleoylphosphatidylcholine Monolayers on Mercury Electrodes. Langmuir, 1999, 15, 3672-3678.	3.5	38
5	Adenine Adsorption at Single Crystal and Thin-Film Gold Electrodes: An In Situ Infrared Spectroscopy Study. Journal of Physical Chemistry C, 2009, 113, 18784-18794.	3.1	34
6	In situ Fourier transform infrared reflection absortion spectroscopy study of adenine adsorption on gold electrodes in basic media. Electrochimica Acta, 2014, 140, 476-481.	5.2	30
7	Electrochemical STM study of the adsorption of adenine on Au(111) electrodes. Electrochemistry Communications, 2013, 35, 61-64.	4.7	26
8	Impedance measurements with phospholipid-coated mercury electrodes. Journal of Electroanalytical Chemistry, 1998, 454, 155-160.	3.8	25
9	In situ infrared study of adenine adsorption on gold electrodes in acid media. Electrochimica Acta, 2012, 82, 534-542.	5.2	22
10	Kinetics of condensation of adenine at the mercuryâˆ£electrolyte interface. Journal of Electroanalytical Chemistry, 2001, 500, 356-364.	3.8	19
11	Quantitative Subtractively Normalized Interfacial Fourier Transform Infrared Reflection Spectroscopy Study of the Adsorption of Adenine on Au(111) Electrodes. Langmuir, 2016, 32, 3827-3835.	3.5	19
12	The reduction of Cr(III) in concentrated aqueous electrolytes at a DME. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 210, 111-126.	0.1	18
13	Electrode processes with coupled chemistry. Heterogeneous or homogeneous chemical reaction? The reduction of nitromethane in basic aqueous solution. Journal of Electroanalytical Chemistry, 1997, 437, 183-189.	3.8	15
14	Impedance voltammetry of electro-dimerization mechanisms: Application to the reduction of the methyl viologen di-cation at mercury electrodes and aqueous solutions. Journal of Electroanalytical Chemistry, 1998, 443, 227-235.	3.8	15
15	Determination of paracetamol in tablets and blood plasma by differential pulse voltammetry. Journal of Pharmaceutical and Biomedical Analysis, 1988, 6, 969-976.	2.8	14
16	Heterogeneous ECE Processes at Channel Electrodes:â€‰ Analytical Theory. Distinguishing Hetero- and Homogeneous ECE Reactions. Journal of Physical Chemistry B, 1998, 102, 1515-1521.	2.6	14
17	The coupling of the double-layer admittance and the faradaic admittance of a stepwise electrode reaction complicated by adsorption of the reactants with experimental verification on the reduction of pyrazine. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 202, 271-297.	0.1	13
18	Analysis of the interfacial admittance in the case of a two-step two-electron electrode reaction with a diffusing intermediate, with application to the reduction of pyrazine. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 222, 45-68.	0.1	13

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19	Impedance study of thallous ion movement through gramicidinâ€“dioleoylphosphatidylcholine self-assembled monolayers supported on mercury electrodes: the Câ€“(C)â€“CE mechanism. Journal of Electroanalytical Chemistry, 2003, 550-551, 253-265.	3.8	13
20	The reduction of Cr3+ in NaClO4 solutions. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 175, 251-262.	0.1	12
21	Interfacial properties of hypoxanthine adsorbed at the mercuryelectrolyte interface. Journal of Electroanalytical Chemistry, 1997, 431, 257-267.	3.8	12
22	Impedance Study of Tl[sup +] Reduction at Gramicidin-Modified Dioleoylphosphatidylcholine-Coated Mercury Electrodes: Influence of Gramicidin Concentration and the Nature of the Supporting Electrolyte. Journal of the Electrochemical Society, 2001, 148, E139.	2.9	12
23	Kinetics of adenine adsorption on Au(111) electrodes: An impedance study. Electrochimica Acta, 2010, 55, 3301-3306.	5.2	12
24	The theory of the interfacial impedance in the case of the ECE and the ECCE mechanism and its application to the electrochemical reduction of nitromethane on mercury from aqueous 1 M KCl at pH 9. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 261, 23-38.	0.1	11
25	Evidences of adenineâ€“thymine Interactions at gold electrodes interfaces as provided by in-situ infrared spectroscopy. Electrochemistry Communications, 2013, 35, 53-56.	4.7	11
26	Adsorption of cinnamaldehyde at the mercury-water interface. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 178, 305-319.	0.1	10
27	Analysis of the faradaic admittance for an ECE mechanism in the case of non-Randles behaviour with frequency and its application to nitromethane reduction. Journal of Electroanalytical Chemistry, 1992, 327, 1-23.	3.8	10
28	Impedance voltammetric analysis of a consecutive E-C-E mechanism with two diffusing intermediates with application to the reduction of nitromethane. Journal of Electroanalytical Chemistry, 1996, 405, 1-14.	3.8	10
29	Electroreduction of Nitromethane in Aqueous Solution. A Surface Indifferent Electrocatalytic Reaction. Journal of Physical Chemistry B, 1998, 102, 9187-9190.	2.6	10
30	Phospholipid and gramicidinâ€“phospholipid-coated mercury electrodes as model systems of partially blocked electrodes. Journal of Electroanalytical Chemistry, 2010, 649, 42-47.	3.8	10
31	Electrochemical characterization of a mixed lipid monolayer supported on Au(111) electrodes with implications for doxorubicin delivery. Journal of Electroanalytical Chemistry, 2018, 815, 246-254.	3.8	10
32	pH-temperature dual-sensitive nucleolipid-containing stealth liposomes anchored with PEGylated AuNPs for triggering delivery of doxorubicin. International Journal of Pharmaceutics, 2022, 619, 121691.	5.2	10
33	In situ surface-enhanced infrared spectroscopy study of adenine-thymine co-adsorption on gold electrodes as a function of the pH. Journal of Electroanalytical Chemistry, 2018, 819, 417-427.	3.8	9
34	Impedance analysis of the reduction of pyrimidine at the dropping mercury electrode. Journal of Electroanalytical Chemistry, 1994, 371, 179-189.	3.8	8
35	Electric-Field-Driven Molecular Recognition Reactions of Guanine with 1,2-Dipalmitoyl-<i>sn</i>-<i>glycero</i>-3-cytidine Monolayers Deposited on Gold Electrodes. Langmuir, 2019, 35, 9297-9307.	3.5	8
36	Impedance analysis of the reduction of pyrimidine at a dropping mercury electrode. Journal of Electroanalytical Chemistry, 1994, 366, 127-134.	3.8	7

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37	Study of multistep electrode processes in triple potential step techniques at spherical electrodes. Electrochemistry Communications, 2005, 7, 751-761.	4.7	7
38	Cholesterol Levels Affect the Performance of AuNPs-Decorated Thermo-Sensitive Liposomes as Nanocarriers for Controlled Doxorubicin Delivery. Pharmaceutics, 2021, 13, 973.	4.5	7
39	Adsorption of crotonaldehyde at the mercury/water interface. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 199, 415-429.	0.1	6
40	Electrodimerization of crotonic aldehyde in aqueous media on a mercury electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 239, 239-251.	0.1	5
41	Adsorption of pyrimidine at the mercury | aqueous solution interface. Journal of Electroanalytical Chemistry, 1994, 379, 467-478.	3.8	5
42	Heterogeneous ECE Processes at Channel Electrodes:Â Voltammetric Waveshape Theory. Application to the Reduction of Nitromethane at Platinum Electrodes. Journal of Physical Chemistry B, 1998, 102, 6573-6578.	2.6	5
43	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.	5.2	5
44	In situ surface enhanced infrared absorption spectroscopy study of the adsorption of cytosine on gold electrodes. Journal of Electroanalytical Chemistry, 2019, 849, 113362.	3.8	5
45	Spectroelectrochemical Characterization of 1,2-Dipalmitoyl-<i>sn</i>-glycero-3-cytidine Diphosphate Nucleolipid Monolayer Supported on Gold (111) Electrode. Langmuir, 2019, 35, 901-910.	3.5	5
46	Molecular recognition between guanine and cytosine-functionalized nucleolipid hybrid bilayers supported on gold (111) electrodes. Bioelectrochemistry, 2020, 132, 107416.	4.6	4
47	Polarographic analysis of mechanisms involving competition between dimerization and electron transfer reactions. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 281, 61-71.	0.1	3
48	Salt and isotope effects upon a multistep electrode reaction: the reduction of nitromethane on mercury. Journal of Electroanalytical Chemistry, 1999, 474, 60-68.	3.8	3
49	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.	5.2	3
50	Mechanism of electrodimerization of pyrimidine on mercury from acid solutions. Journal of Electroanalytical Chemistry, 1995, 384, 123-130.	3.8	2
51	Mixed monolayer of a nucleolipid and a phospholipid has improved properties for spectroelectrochemical sensing of complementary nucleobases. Journal of Electroanalytical Chemistry, 2021, 896, 115120.	3.8	2