

# Manuela Rueda

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3949486/publications.pdf>

Version: 2024-02-01

51  
papers

792  
citations

623188

14  
h-index

580395

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. <i>Electrochimica Acta</i> , 1978, 23, 419-424.	2.6	145
2	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
3	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
4	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
5	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
6	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
7	Electrochemical STM study of the adsorption of adenine on Au(111) electrodes. <i>Electrochemistry Communications</i> , 2013, 35, 61-64.	2.3	26
8	Impedance measurements with phospholipid-coated mercury electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1998, 454, 155-160.	1.9	25
9	In situ infrared study of adenine adsorption on gold electrodes in acid media. <i>Electrochimica Acta</i> , 2012, 82, 534-542.	2.6	22
10	Kinetics of condensation of adenine at the mercury~electrolyte interface. <i>Journal of Electroanalytical Chemistry</i> , 2001, 500, 356-364.	1.9	19
11	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
12	The reduction of Cr(III) in concentrated aqueous electrolytes at a DME. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 210, 111-126.	0.3	18
13	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
14	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
15	Determination of paracetamol in tablets and blood plasma by differential pulse voltammetry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1988, 6, 969-976.	1.4	14
16	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
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. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 202, 271-297.	0.3	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. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 222, 45-68.	0.3	13

#	ARTICLE	IF	CITATIONS
19	Impedance study of thallos ion movement through gramicidin- $\alpha$ -dioleoylphosphatidylcholine self-assembled monolayers supported on mercury electrodes: the C $\alpha$ -(C) $\alpha$ -CE mechanism. <i>Journal of Electroanalytical Chemistry</i> , 2003, 550-551, 253-265.	1.9	13
20	The reduction of Cr <sup>3+</sup> in NaClO <sub>4</sub> solutions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 175, 251-262.	0.3	12
21	Interfacial properties of hypoxanthine adsorbed at the mercury-electrolyte interface. <i>Journal of Electroanalytical Chemistry</i> , 1997, 431, 257-267.	1.9	12
22	Impedance Study of Tl <sup>[sup +]</sup> Reduction at Gramicidin-Modified Dioleoylphosphatidylcholine-Coated Mercury Electrodes: Influence of Gramicidin Concentration and the Nature of the Supporting Electrolyte. <i>Journal of the Electrochemical Society</i> , 2001, 148, E139.	1.3	12
23	Kinetics of adenine adsorption on Au(111) electrodes: An impedance study. <i>Electrochimica Acta</i> , 2010, 55, 3301-3306.	2.6	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. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 261, 23-38.	0.3	11
25	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
26	Adsorption of cinnamaldehyde at the mercury-water interface. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 178, 305-319.	0.3	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. <i>Journal of Electroanalytical Chemistry</i> , 1992, 327, 1-23.	1.9	10
28	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
29	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
30	Phospholipid and gramicidin- $\alpha$ -phospholipid-coated mercury electrodes as model systems of partially blocked electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2010, 649, 42-47.	1.9	10
31	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
32	pH-temperature dual-sensitive nucleolipid-containing stealth liposomes anchored with PEGylated AuNPs for triggering delivery of doxorubicin. <i>International Journal of Pharmaceutics</i> , 2022, 619, 121691.	2.6	10
33	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
34	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
35	Electric-Field-Driven Molecular Recognition Reactions of Guanine with 1,2-Dipalmitoyl- <i>sn</i> -glycero-3-cytidine Monolayers Deposited on Gold Electrodes. <i>Langmuir</i> , 2019, 35, 9297-9307.	1.6	8
36	Impedance analysis of the reduction of pyrimidine at a dropping mercury electrode. <i>Journal of Electroanalytical Chemistry</i> , 1994, 366, 127-134.	1.9	7

#	ARTICLE	IF	CITATIONS
37	Study of multistep electrode processes in triple potential step techniques at spherical electrodes. <i>Electrochemistry Communications</i> , 2005, 7, 751-761.	2.3	7
38	Cholesterol Levels Affect the Performance of AuNPs-Decorated Thermo-Sensitive Liposomes as Nanocarriers for Controlled Doxorubicin Delivery. <i>Pharmaceutics</i> , 2021, 13, 973.	2.0	7
39	Adsorption of crotonaldehyde at the mercury/water interface. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 199, 415-429.	0.3	6
40	Electrodimerization of crotonic aldehyde in aqueous media on a mercury electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 239, 239-251.	0.3	5
41	Adsorption of pyrimidine at the mercury   aqueous solution interface. <i>Journal of Electroanalytical Chemistry</i> , 1994, 379, 467-478.	1.9	5
42	Heterogeneous ECE Processes at Channel Electrodes: A Voltammetric Waveshape Theory. Application to the Reduction of Nitromethane at Platinum Electrodes. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6573-6578.	1.2	5
43	Electrochemical impedance spectroscopy study of a surface confined redox reaction: The reduction of azobenzene on mercury in the absence of diffusion. <i>Electrochimica Acta</i> , 2011, 56, 7916-7922.	2.6	5
44	In situ surface enhanced infrared absorption spectroscopy study of the adsorption of cytosine on gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2019, 849, 113362.	1.9	5
45	Spectroelectrochemical Characterization of 1,2-Dipalmitoyl-sn-glycero-3-cytidine Diphosphate Nucleolipid Monolayer Supported on Gold (111) Electrode. <i>Langmuir</i> , 2019, 35, 901-910.	1.6	5
46	Molecular recognition between guanine and cytosine-functionalized nucleolipid hybrid bilayers supported on gold (111) electrodes. <i>Bioelectrochemistry</i> , 2020, 132, 107416.	2.4	4
47	Polarographic analysis of mechanisms involving competition between dimerization and electron transfer reactions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990, 281, 61-71.	0.3	3
48	Salt and isotope effects upon a multistep electrode reaction: the reduction of nitromethane on mercury. <i>Journal of Electroanalytical Chemistry</i> , 1999, 474, 60-68.	1.9	3
49	Electrostatics affects formation of Watson-Crick complex between DNA bases in monolayers of nucleolipids deposited at a gold electrode surface. <i>Electrochimica Acta</i> , 2021, 390, 138816.	2.6	3
50	Mechanism of electrodimerization of pyrimidine on mercury from acid solutions. <i>Journal of Electroanalytical Chemistry</i> , 1995, 384, 123-130.	1.9	2
51	Mixed monolayer of a nucleolipid and a phospholipid has improved properties for spectroelectrochemical sensing of complementary nucleobases. <i>Journal of Electroanalytical Chemistry</i> , 2021, 896, 115120.	1.9	2