

# Manuel Eduardo Palomar-Pardavã©

## List of Publications by Year in descending order

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193  
papers

4,564  
citations

94269

37  
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128067

60  
g-index

194  
all docs

194  
docs citations

194  
times ranked

3848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalytic oxidation of formic acid by palladium nanoparticles electrochemically synthesized from a deep eutectic solvent. <i>Catalysis Today</i> , 2022, 394-396, 190-197.	2.2	7
2	Electrochemical nucleation and growth of aluminum nanoparticles and leaf-like flat microstructures from reline deep eutectic solvent: Effect of temperature and angular speed of working electrode. <i>Transactions of Nonferrous Metals Society of China</i> , 2022, 32, 1050-1060.	1.7	5
3	Insights into Electronucleation and Electrodeposition of Nickel from a Non-aqueous Solvent Based on $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ Dissolved in Ethylene Glycol. <i>Inorganic Chemistry</i> , 2022, 61, 5099-5111.	1.9	7
4	On the Curcumin and $\beta$ -Cyclodextrin Interaction in Aqueous Media. Spectrophotometric and Electrochemical Study. <i>ChemElectroChem</i> , 2022, 9, .	1.7	3
5	Quinizarin characterization and quantification in aqueous media using UV-VIS spectrophotometry and cyclic voltammetry. <i>Dyes and Pigments</i> , 2021, 184, 108641.	2.0	8
6	A Deep Eutectic Solvent as Leaching Agent and Electrolytic Bath for Silver Recovery from Spent Silver Oxide Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 016508.	1.3	13
7	Simultaneous Electrochemical Quantification of Foodstuff Dyes Allura Red and Tartrazine Using a Bare Carbon Paste Electrode. <i>Journal of the Electrochemical Society</i> , 2021, 168, 057514.	1.3	2
8	Influence of the diffusion annealing process in the corrosion susceptibility of cobalt boride layer immersed in Hank's solution. <i>Surface and Coatings Technology</i> , 2021, 421, 127462.	2.2	4
9	Electrodeposition of Nanostructured Chromium Conglomerates from Cr(III) Dissolved in a Deep Eutectic Solvent: Influence of Forced Convection. <i>Journal of the Electrochemical Society</i> , 2021, 168, 112512.	1.3	5
10	Spectro-electrochemical characterization and quantification of Rutin in aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117814.	2.0	7
11	Experimental and theoretical study on the corrosion inhibition of API 5L X52 steel in acid media by a new quinazoline derivative. <i>Journal of Molecular Liquids</i> , 2020, 320, 114449.	2.3	5
12	On the Corrosion Mechanism of Borided X12CrNiMoV12-3 Steel Immersed in a Neutral Aqueous Solution Containing Chloride and Sulfate Ions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 4868-4879.	1.1	9
13	Ni-Co alloy electrodeposition from the cathode powder of Ni-MH spent batteries leached with a deep eutectic solvent (reline). <i>Journal of Alloys and Compounds</i> , 2020, 830, 154650.	2.8	43
14	Novel electrochemical method to evaluate the antioxidant capacity of infusions and beverages, based on in situ formation of free superoxide radicals. <i>Food Chemistry</i> , 2020, 332, 127409.	4.2	13
15	Fluconazole and fragments as corrosion inhibitors of API 5L X52 steel immersed in 1M HCl. <i>Corrosion Science</i> , 2020, 174, 108853.	3.0	27
16	Mechanism and Kinetics of Palladium Nanoparticles Electrochemical Formation onto Glassy Carbon, from a Deep Eutectic Solvent (Reline). <i>Journal of Physical Chemistry B</i> , 2020, 124, 3973-3983.	1.2	17
17	Construction and Optimization of a Novel Acetylcholine Ion-Selective Electrode and its Application for Trace Level Determination of Propoxur Pesticide. <i>Journal of the Electrochemical Society</i> , 2020, 167, 087501.	1.3	8
18	Electrochemical Deposition of Pd@Pd(OH) <sub>2</sub> Core-Shell Nanoparticles onto Glassy Carbon from a Deep Eutectic Solvent (Reline) and their Use as Electrocatalyst for the Methanol Oxidation Reaction. <i>Journal of the Electrochemical Society</i> , 2020, 167, 112509.	1.3	6

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19	Electrochemical study and physicochemical characterization of iron nanoparticles electrodeposited onto HOPG from Fe(III) ions dissolved in the choline chloride-urea deep eutectic solvent. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113453.	1.9	20
20	Adsorption and corrosion inhibition behaviour of new theophylline-triazole-based derivatives for steel in acidic medium. <i>Royal Society Open Science</i> , 2019, 6, 181738.	1.1	38
21	1-Ethyl 3-methylimidazolium thiocyanate ionic liquid as corrosion inhibitor of API 5L X52 steel in H <sub>2</sub> SO <sub>4</sub> and HCl media. <i>Corrosion Science</i> , 2019, 153, 85-99.	3.0	122
22	Electrochemical Nucleation and Growth of Mn and Mn-Zn Alloy from Leached Liquors of Spent Alkaline Batteries Using a Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2019, 166, D199-D204.	1.3	14
23	Electrochemical Study of Palladium-Based Bimetallic Electrocatalysts Supported on Carbon Vulcan XC72R for Methanol Electro-Oxidation in Alkaline Media. <i>ECS Transactions</i> , 2019, 94, 139-149.	0.3	0
24	Electrocatalytic Performance of Palladium-Based Electrocatalysts Supported on Carbon Nanotubes for Formic Acid Oxidation. <i>ECS Transactions</i> , 2019, 92, 317-324.	0.3	1
25	Carbon supported PdM (M = Fe, Co) electrocatalysts for formic acid oxidation. Influence of the Fe and Co precursors. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1640-1649.	3.8	33
26	Palladium Nanoparticles Electrodeposition onto Glassy Carbon from a Deep Eutectic Solvent at 298 K and Their Catalytic Performance toward Formic Acid Oxidation. <i>Journal of the Electrochemical Society</i> , 2019, 166, D3205-D3211.	1.3	36
27	Aluminum Electrochemical Nucleation and Growth onto a Glassy Carbon Electrode from a Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2019, 166, D3035-D3041.	1.3	23
28	Electrochemical evaluation of cephalothin as corrosion inhibitor for API 5L X52 steel immersed in an acid medium. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3244-3253.	2.3	25
29	Corrosion Inhibition of Compounds Derived from Dihydropyrimidines (DMPH) in API 5L X52 Steel Immerse in 1M HCl. <i>ECS Transactions</i> , 2018, 84, 189-194.	0.3	0
30	New 1-(2-pyridinyl)-2-(o-, m-, p-hydroxyphenyl) benzimidazoles as corrosion inhibitors for API 5L X52 steel in acid media. <i>Anti-Corrosion Methods and Materials</i> , 2018, 65, 166-175.	0.6	6
31	On the electrochemical formation of nickel nanoparticles onto glassy carbon from a deep eutectic solvent. <i>Electrochimica Acta</i> , 2018, 276, 417-423.	2.6	46
32	Determination of Inhibition Properties of Caffeine, Theophylline and Their Allylic and Propargylic Derivatives on API 5L X70 Steel Immerse in 1M HCl. <i>ECS Transactions</i> , 2018, 84, 165-171.	0.3	4
33	Quercetin spectrofluorometric quantification in aqueous media using different surfactants as fluorescence promoters. <i>RSC Advances</i> , 2018, 8, 10980-10986.	1.7	20
34	New insights on the spectrophotometric determination of melatonin pKa values and melatonin- $\beta$ -CD inclusion complex formation constant. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 442-449.	2.0	18
35	Iron Electrodeposition from Fe(II) Ions Dissolved in a Choline Chloride: Urea Eutectic Mixture. <i>Journal of the Electrochemical Society</i> , 2018, 165, D808-D812.	1.3	17
36	Electrochemical Synthesis of Cobalt with Different Crystal Structures from a Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2018, 165, D285-D290.	1.3	26

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37	2D Materials-based Platforms for Electroanalysis Applications. <i>Electroanalysis</i> , 2018, 30, 1271-1280.	1.5	20
38	Tribocorrosion and cytotoxicity of FeB-Fe2B layers on AISI 316 L steel. <i>Surface and Coatings Technology</i> , 2018, 349, 986-997.	2.2	40
39	Mechanism and Kinetics of Chromium Electrochemical Nucleation and Growth from a Choline Chloride/Ethylene Glycol Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2018, 165, D393-D401.	1.3	43
40	Effect of Hydrodynamic Conditions, Temperature and Immersion Times on the Corrosion Inhibition Efficiency of API 5L X52 Steel in 1M HCl Containing 1H-1,2,4 or 1H-1,2,3-triazoles. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 163-174.	1.7	12
41	Electrochemical Corrosion Behavior of Borided CoCrMo Alloy Immersed in Hanks™ Solution. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 704-714.	1.2	16
42	Electrochemical nucleation and growth of Cu onto Au nanoparticles supported on a Si (111) wafer electrode. <i>Journal of Electroanalytical Chemistry</i> , 2017, 791, 1-7.	1.9	17
43	New insights on diclofenac electrochemistry using graphite as working electrode. <i>Journal of Electroanalytical Chemistry</i> , 2017, 794, 182-188.	1.9	35
44	INFLUENCE OF TEMPERATURE ON THE THERMODYNAMICS AND KINETICS OF COBALT ELECTROCHEMICAL NUCLEATION AND GROWTH. <i>Electrochimica Acta</i> , 2017, 241, 162-169.	2.6	54
45	Three-dimensional nucleation with diffusion controlled growth: A comparative study of electrochemical phase formation from aqueous and deep eutectic solvents. <i>Journal of Electroanalytical Chemistry</i> , 2017, 793, 119-125.	1.9	37
46	On Wetting Angles and Nucleation Energies during the Electrochemical Nucleation of Cobalt onto Glassy Carbon from a Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2017, 164, D694-D699.	1.3	31
47	Taking advantage of CTAB micelles for the simultaneous electrochemical quantification of diclofenac and acetaminophen in aqueous media. <i>RSC Advances</i> , 2017, 7, 40401-40410.	1.7	5
48	Nanostructured Catalysts Synthesized by High-Energy Mechanical Alloying for Formic Acid Electrochemical Oxidation. <i>Electrocatalysis</i> , 2017, 8, 472-479.	1.5	1
49	Dynamic formation of primary grain structures on squared steel billets produced by continuous casting (computer simulation). <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 1709-1721.	1.5	0
50	Heat removal analysis on steel billets and slabs produced by continuous casting using numerical simulation. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 1545-1565.	1.5	7
51	Simultaneous electrochemical quantification of naproxen, acetaminophen and diclofenac using a bare carbon paste electrode. <i>Analytical Methods</i> , 2016, 8, 7868-7872.	1.3	11
52	NEW INSIGHTS ON THE KINETICS AND MECHANISM OF THE ELECTROCHEMICAL OXIDATION OF DICLOFENAC IN NEUTRAL AQUEOUS MEDIUM. <i>Electrochimica Acta</i> , 2016, 199, 92-98.	2.6	31
53	Ion-Selective Electrodes for Mercury Determination at Low Concentrations: Construction, Optimization and Application. <i>Journal of the Electrochemical Society</i> , 2016, 163, B90-B96.	1.3	12
54	Effect of Core Composition in AuxCuy@Pt/C for the Methanol Oxidation Reaction. <i>Electrocatalysis</i> , 2016, 7, 174-183.	1.5	1

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55	Nucleation kinetics and contact angles of silver clusters electrodeposited on indium tin oxide surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2016, 765, 140-148.	1.9	9
56	Electrochemical quantification of the electro-active surface area of Au nanoparticles supported onto an ITO electrode by means of Cu upd. <i>Electrochemistry Communications</i> , 2015, 56, 70-74.	2.3	17
57	Spectrophotometric quantification of the thermodynamic constants of the complexes formed by dopamine and Cu(II) in aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 143, 187-191.	2.0	7
58	Characterization and Electrochemical Determination of Diclofenac in the Presence of CTAB. <i>ECS Transactions</i> , 2015, 64, 31-34.	0.3	0
59	Electrochemical Characterization of a 2-Hydroxypropyl b-Cyclodextrin Membrane with Tenoxicam. <i>ECS Transactions</i> , 2015, 64, 23-26.	0.3	0
60	Modulating the analytical performance of an electrochemical biosensor through varying, at the working electrode, the surface area ratio between that covered by the enzyme and the enzyme-free one. <i>Analytical Methods</i> , 2015, 7, 8568-8571.	1.3	5
61	Corrosion behavior of AISI 316L borided and non-borided steels immersed in a simulated body fluid solution. <i>Surface and Coatings Technology</i> , 2015, 280, 384-395.	2.2	27
62	Spectrophotometric and electrochemical quantification of the host-guest interaction of tenoxicam and $\beta$ -CD in aqueous solution at different pH values. <i>Journal of Electroanalytical Chemistry</i> , 2015, 738, 20-26.	1.9	5
63	Electrochemical Quantification of the Antioxidant Capacity of Medicinal Plants Using Biosensors. <i>Sensors</i> , 2014, 14, 14423-14439.	2.1	36
64	Determination of the Antioxidant Capacity of "Pistache Amargo" Using a Biosensor Based on Laccase <i>Trametes Versicolor</i> . <i>ECS Transactions</i> , 2014, 64, 77-81.	0.3	0
65	Influence of Alkyl Chain on a Neutral-Carrier for Use in Selective Membranes Mercury Ions. <i>ECS Transactions</i> , 2014, 64, 43-48.	0.3	1
66	On the Model Describing Potentiostatic Current Transients Recorded during the Mass Transport-controlled Nucleation of Hemispheres in the Presence of Forced Convection. <i>Procedia Chemistry</i> , 2014, 12, 27-33.	0.7	1
67	One-Pot Three-Component Synthesis of New Mono- and Bis-1,2,3-triazole Derivatives of 2-Benzimidazolethiol with a Promising Inhibitory Activity against Acidic Corrosion of Steel. <i>Synthesis</i> , 2014, 46, 1217-1223.	1.2	15
68	Construction of Supramolecular Systems for the Selective and Quantitative Determination of Dopamine in the Presence of Ascorbic Acid. <i>Procedia Chemistry</i> , 2014, 12, 55-61.	0.7	3
69	A Novel Tyrosinase Base Biosensor for the Quantification of Antioxidant Capacity: Evaluation on Infusions of Medicinal Plants. <i>ECS Transactions</i> , 2014, 64, 49-57.	0.3	0
70	Ion-Selective Electrode Solid Contact Base on Neutral-Carrier Ditiophosphate for Mercury Determination at Nanomolar Levels. <i>ECS Transactions</i> , 2014, 64, 69-76.	0.3	1
71	Determination of the Antioxidant Capacity in Medicinal Plants, Using a Laccase Screen Printed-Type Biosensor. <i>ECS Transactions</i> , 2014, 64, 59-67.	0.3	1
72	Mild steel corrosion inhibition in HCl by di-alkyl and di-1,2,3-triazole derivatives of uracil and thymine. <i>Materials Chemistry and Physics</i> , 2014, 145, 407-417.	2.0	57

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73	Supramolecular interaction of dopamine with $\beta$ -cyclodextrin: An experimental and theoretical electrochemical study. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 103-109.	1.9	28
74	Electrochemical Evaluation of Corrosion on Borided and Non-borided Steels Immersed in 1M HCl Solution. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2809-2818.	1.2	14
75	Electrochemical quantification of the thermodynamic equilibrium constant of the tenoxicam- $\beta$ -cyclodextrin inclusion complex formed on the surface of a poly- $\beta$ -cyclodextrin-modified carbon paste electrode. <i>Electrochimica Acta</i> , 2014, 140, 535-540.	2.6	5
76	Guest-Host Complex Formed between Ascorbic Acid and $\beta$ -Cyclodextrin Immobilized on the Surface of an Electrode. <i>Molecules</i> , 2014, 19, 5952-5964.	1.7	12
77	Effects of turbulent flow on the corrosion inhibition properties of 2-mercaptobenzimidazole. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013, 64, 522-529.	0.8	13
78	Gold nanoparticles modified-ITO electrode for the selective electrochemical quantification of dopamine in the presence of uric and ascorbic acids. <i>Journal of Electroanalytical Chemistry</i> , 2013, 706, 69-75.	1.9	29
79	DFT study of the adsorption of the corrosion inhibitor 2-mercaptoimidazole onto Fe(100) surface. <i>Electrochimica Acta</i> , 2013, 112, 577-586.	2.6	78
80	Multicomponent Click Synthesis of New 1,2,3-Triazole Derivatives of Pyrimidine Nucleobases: Promising Acidic Corrosion Inhibitors for Steel. <i>Molecules</i> , 2013, 18, 15064-15079.	1.7	45
81	Synthesis of New 1,2,3-Triazole Derivatives of Uracil and Thymine with Potential Inhibitory Activity against Acidic Corrosion of Steels. <i>Molecules</i> , 2013, 18, 4613-4627.	1.7	35
82	Quantumchemical Calculations of the Structural Stability of $\beta$ -Cyclodextrin/Dopamine and $\beta$ -Cyclodextrin/Ascorbic Acid Systems. <i>ECS Transactions</i> , 2013, 47, 53-67.	0.3	1
83	Electrocrystallization mechanism of iron phosphate coatings onto mild steel electrode surfaces. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 459-466.	1.2	5
84	Spectro-electrochemical and DFT study of tenoxicam metabolites formed by electrochemical oxidation. <i>Electrochimica Acta</i> , 2013, 111, 314-323.	2.6	6
85	Influence of the HClO <sub>4</sub> concentration on the $\beta$ -CD electropolymerization over a carbon paste electrode and on dopamine's electrochemical response. <i>Electrochimica Acta</i> , 2013, 89, 854-860.	2.6	18
86	Influence of the alkyl chain length of 2 amino 5 alkyl 1,3,4 thiadiazole compounds on the corrosion inhibition of steel immersed in sulfuric acid solutions. <i>Corrosion Science</i> , 2012, 54, 231-243.	3.0	142
87	Electrochemical quantification of dopamine in the presence of ascorbic acid and uric acid using a simple carbon paste electrode modified with SDS micelles at pH 7. <i>Electrochimica Acta</i> , 2012, 85, 307-313.	2.6	55
88	A cellular automata model for simulating grain structures with straight and hyperbolic interfaces. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2012, 19, 699-710.	2.4	5
89	Electrochemical characterization of tenoxicam using a bare carbon paste electrode under stagnant and forced convection conditions. <i>Electrochimica Acta</i> , 2012, 59, 150-155.	2.6	10
90	Kinetics and Mechanism of the Electrochemical Formation of Iron Oxidation Products on Steel Immersed in Sour Acid Media. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1833-1841.	1.2	20

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91	Taking Advantage of a Corrosion Problem To Solve a Pollution Problem. Journal of Chemical Education, 2011, 88, 1109-1111.	1.1	0
92	Adenine and Guanine Derivative Bases of Purines and Their Corresponding Nucleosides as Corrosion Inhibitors in 1M Hydrochloric Acid. ECS Transactions, 2011, 36, 179-185.	0.3	5
93	Influence of the substrate's surface structure on the mechanism and kinetics of the electrochemical UPD formation of a copper monolayer on gold. Electrochimica Acta, 2011, 56, 10083-10092.	2.6	22
94	Electrochemical and spectrophotometric determination of the formation constants of the ascorbic acid- $\beta$ -cyclodextrin and dopamine- $\beta$ -cyclodextrin inclusion complexes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 91-99.	1.6	41
95	Imidazolium, Pyridinium and Dimethyl- $\epsilon$ -Ethylbenzyl Ammonium Derived Compounds as Mixed Corrosion Inhibitors in Acidic Medium. Journal of Surfactants and Detergents, 2011, 14, 211-220.	1.0	29
96	Dopamine Electrochemical Determination with Uric and Ascorbic Acids Present in Solution Using a Sodium Dodecyl Sulphate-Modified Carbon Paste Electrode (SDS-CPE) at Physiologic pH. ECS Transactions, 2011, 36, 373-384.	0.3	2
97	Electrochemical Impedance Evaluation of Uracil and Thymine Pyrimidine Derivatives and its Nucleosides Compounds as a Non-Toxic Corrosion Inhibitors of Steels in 1M HCl. ECS Transactions, 2011, 36, 217-228.	0.3	9
98	Hydrotalcites-Catalyzed and Microwave-Assisted Synthesis of 2-(Benzylthio)1H-Benzy[d]Imidazole (2-BZMBI) Kinetic Study by Means of Polarization Plots. ECS Transactions, 2011, 36, 197-205.	0.3	0
99	Study and Electrochemical Impedance Characterization of The $\beta$ -Cyclodextrin, $\beta$ -CD, Polymer on a Carbon Paste Electrode. ECS Transactions, 2011, 36, 439-446.	0.3	5
100	Study on the Supramolecular Interaction of Dopamine with Carbon Nanotubes and $\beta$ -Cyclodextrin Immobilized over a Carbon Paste Electrode. ECS Transactions, 2011, 36, 471-481.	0.3	3
101	Supramolecular Systems Construction for the Selective Quantitative Determination of Dopamine in the Presence of Ascorbic Acid. ECS Transactions, 2011, 36, 385-392.	0.3	1
102	Electrochemical Study of the Formation of Surface Inclusion Complex of Ascorbic Acid with Immobilized $\beta$ -Cyclodextrin and Carbon Nanotubes over a Carbon Paste Electrode. ECS Transactions, 2011, 36, 431-438.	0.3	1
103	Electrochemical Behavior of Dopamine with 2-Hydroxypropyl- $\beta$ -Cyclodextrin for the Determination of the Complexation Constant. ECS Transactions, 2011, 36, 455-461.	0.3	0
104	Pantoprazol as Inhibitor of API 5L X52 Steel Corrosion in HCl 1M. ECS Transactions, 2011, 36, 207-216.	0.3	2
105	Simulation factors of steel continuous casting. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 267-275.	2.4	12
106	Simulation of heat transfer in steel billets during continuous casting. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 403-416.	2.4	21
107	Computational algorithms to simulate the steel continuous casting. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 596-607.	2.4	8
108	Influence of CTAB on the electrochemical behavior of dopamine and on its analytic determination in the presence of ascorbic acid. Journal of Applied Electrochemistry, 2010, 40, 463-474.	1.5	33

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109	Electrochemical nucleation and growth of black and white chromium deposits onto stainless steel surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2010, 647, 128-132.	1.9	16
110	Enzyme entrapment by $\beta$ -cyclodextrin electropolymerization onto a carbon nanotubes-modified screen-printed electrode. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1768-1773.	5.3	52
111	Stable and sensitive flow-through monitoring of phenol using a carbon nanotube based screen printed biosensor. <i>Nanotechnology</i> , 2010, 21, 245502.	1.3	15
112	Quantum Chemical Calculations in Stepwise Adrenaline Deprotonation. <i>ECS Transactions</i> , 2010, 29, 421-431.	0.3	0
113	Electrochemical and Microscopy Study of Localized Corrosion on a Sensitized Stainless Steel AISI 304. <i>ECS Transactions</i> , 2010, 29, 93-102.	0.3	13
114	Nucleation and Growth Kinetics of Electrodeposited Sulfate-Doped Polypyrrole: Determination of the Diffusion Coefficient of $\text{SO}_4^{2-}$ in the Polymeric Membrane. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9737-9743.	1.2	47
115	Quantum Chemical Calculations on the Interaction between Flavonol and Functional Monomers (Methacrylic Acid and 4-Vinylpyridine) in Molecularly Imprinted Polymers. <i>Molecules</i> , 2010, 15, 4017-4032.	1.7	15
116	Analysis of the Copper Electrodeposition Current Transients in Nitrates Media. <i>ECS Transactions</i> , 2009, 20, 357-364.	0.3	3
117	A Semiempirical PM6 Study of Some Aminopyrimidine Derivatives and their Interaction with an Iron Surface. <i>ECS Transactions</i> , 2009, 20, 507-517.	0.3	1
118	Dopamine Electrochemical Behavior onto an Electrode Modified with a $\beta$ -cyclodextrin Polymer. <i>ECS Transactions</i> , 2009, 20, 151-157.	0.3	6
119	Microwave-Assisted Preparation of 2-(Benzylthio)imidazole and 2-(Benzylthio)benzimidazole and its Comparative Corrosion Inhibiting Performance with 2-Mercaptoimidazole and 2-Mercaptobenzimidazole. <i>ECS Transactions</i> , 2009, 20, 519-527.	0.3	4
120	Potentiometric Behavior of Diverse Polypyrrole-sulphate Films Electro Synthesized on Graphite - Epoxy Resin Composite. <i>ECS Transactions</i> , 2009, 20, 31-40.	0.3	2
121	Kinetics of Polypyrrole Films Doped with Sulphate Ions Electrodeposited Over Graphite - Epoxy Resin Electrode. <i>ECS Transactions</i> , 2009, 20, 385-392.	0.3	0
122	Development a Boron Potentiometric Determination Methodology Using a Carbon Paste Electrode Modified with a $\beta$ -Cyclodextrine- Azomethine-H Inclusion Complex. <i>ECS Transactions</i> , 2009, 20, 13-19.	0.3	5
123	Electrochemical Characterization of Quercetin in Aqueous Solution. <i>ECS Transactions</i> , 2009, 20, 115-122.	0.3	4
124	Electrochemical Impedance Spectroscopy Analysis of 2-Mercaptobenzimidazole (2MBI) as Corrosion Inhibitor in HCl 1M. <i>ECS Transactions</i> , 2009, 20, 543-553.	0.3	8
125	Biphasic Numerical Simulation of a Rotating Disc Electrochemical Cell. <i>ECS Transactions</i> , 2009, 20, 51-61.	0.3	1
126	The Effect of the SDS Concentration on the Electrochemical Response of Adrenaline at Acid pH. <i>ECS Transactions</i> , 2009, 20, 167-173.	0.3	1



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127	Theoretical Study of pH Stability of Azomethine Based on Hardness Calculations. ECS Transactions, 2009, 20, 131-139.	0.3	0
128	Electrochemical study of 2-mercaptoimidazole as a novel corrosion inhibitor for steels. Electrochimica Acta, 2009, 54, 5393-5399.	2.6	83
129	Simultaneous Electrochemical Determination of Adrenaline and Ascorbic Acid: Influence of [CTAB]. Journal of the Electrochemical Society, 2009, 156, J375.	1.3	17
130	Experimental correlation between the pKa value of sulfonphthaleins with the nature of the substituents groups. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 1235-1245.	2.0	22
131	Mechanism and kinetics of the electrochemical formation of polypyrrole under forced convection conditions. Journal of Electroanalytical Chemistry, 2008, 613, 67-79.	1.9	46
132	Selective electrochemical determination of dopamine in the presence of ascorbic acid using sodium dodecyl sulfate micelles as masking agent. Electrochimica Acta, 2008, 53, 3013-3020.	2.6	78
133	Enhanced host-guest electrochemical recognition of dopamine using cyclodextrin in the presence of carbon nanotubes. Carbon, 2008, 46, 898-906.	5.4	146
134	Overpotential deposition of copper on an iodine-modified Au(111) electrode. Electrochimica Acta, 2008, 53, 2115-2120.	2.6	18
135	Quantum-Chemical Calculations of the Electronic Properties of Pyrrole Oligomers. ECS Transactions, 2008, 15, 153-159.	0.3	0
136	Application of MWCNT to Study Azometine-H by Cyclic Voltammetry. ECS Transactions, 2008, 15, 345-351.	0.3	0
137	Effect of CTAB Interfacial Supramolecular Systems on the Voltammetry Signals of Adrenalin and Ascorbic Acid. ECS Transactions, 2008, 15, 489-498.	0.3	1
138	Electrochemical and Spectrophotometric Evaluation of the Formation Constants of the AA- $\beta$ CD and DA- $\beta$ CD Inclusion Complexes. ECS Transactions, 2008, 15, 507-516.	0.3	2
139	Voltammetric Formation of Polyaniline on Gold and Platinum under Static and Forced Convection Conditions. ECS Transactions, 2008, 15, 143-151.	0.3	0
140	Electrochemical Study of Dopamine and Ascorbic Acid by Means of Supramolecular Systems. ECS Transactions, 2008, 15, 325-334.	0.3	3
141	Electrochemical Characterization of Nitrate Reduction on Recently Deposited Cooper Nuclei. ECS Transactions, 2008, 15, 371-381.	0.3	0
142	Electroanalytic Study of Nitrates Detection using Cooper and Glassy Carbon Electrodes Modified with Copper Nuclei. ECS Transactions, 2008, 15, 555-561.	0.3	0
143	Kinetics Mechanism of Copper UPD Nucleation and Growth on Mono and Polycrystalline Gold. ECS Transactions, 2007, 3, 35-43.	0.3	4
144	Silver and Silver Chloride Electrodeposits, an Alternative in the Construction of Ag/AgCl Solid Electrodes. ECS Transactions, 2007, 3, 99-103.	0.3	0

#	ARTICLE	IF	CITATIONS
145	Gathering Kinetic Data of Electrochemical Phase Formation Processes Through Analysis of Experimental Current Transients. Overview and New Approaches. ECS Transactions, 2007, 3, 45-52.	0.3	0
146	Dopamine Detection using an Electrode Modified with Carbon Nanotubes. ECS Transactions, 2007, 3, 77-80.	0.3	1
147	Cr(VI) and Cr(III) Diphenylcarbazide Removal from Aqueous Solutions Using an Iron Rotating Disc Electrode. Environmental Technology (United Kingdom), 2007, 28, 1-9.	1.2	5
148	New Insights on the Nature of the Chemical Species Involved during the Process of Dopamine Deprotonation in Aqueous Solution: Theoretical and Experimental Study. Journal of Physical Chemistry B, 2007, 111, 1640-1647.	1.2	56
149	On the electrochemistry of dopamine in aqueous solution. Part I: The role of [SDS] on the voltammetric behavior of dopamine on a carbon paste electrode. Journal of Electroanalytical Chemistry, 2007, 609, 17-26.	1.9	126
150	Determination of the complexation constants of Pb(II) and Cd(II) with thymol blue using spectrophotometry, SQUAD and the HSAB principle. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 66, 68-73.	2.0	9
151	Development of a novel nitrate-selective composite sensor based on doped polypyrrole. Analytical and Bioanalytical Chemistry, 2007, 387, 1533-1541.	1.9	35
152	Corrosion behavior of boride layers evaluated by the EIS technique. Applied Surface Science, 2007, 253, 9061-9066.	3.1	47
153	Electrochemical and AFM characterization of the electropolymerization of pyrrole over a graphite/epoxy resin solid composite electrode, in the presence of different anions. Applied Surface Science, 2006, 252, 5783-5792.	3.1	36
154	Evaluation of the corrosion resistance of iron boride coatings obtained by paste boriding process. Surface and Coatings Technology, 2006, 201, 2438-2442.	2.2	66
155	Electrochemical Formation of A Novel Conducting Polymer Membrane on CPE from Aqueous Solution Containing Pb(II) Acetate. ECS Transactions, 2006, 3, 81-86.	0.3	0
156	Influence of the Cetyltrimethylammonium Bromide, CTAB, on the Response of Dopamine. ECS Transactions, 2006, 3, 93-98.	0.3	0
157	Development of a Novel Composite Sensor Based on Doped Pyrrole Selective to Nitrate Ions. ECS Transactions, 2006, 3, 97-108.	0.3	0
158	Study on the Influence of Chloride Concentration on Copper Electrodeposition. ECS Transactions, 2006, 3, 25-34.	0.3	4
159	Reduction of Nitrate Ion on the Growing Surfaces of Cr Nuclei Formed During Black Chromium Electrodeposition. ECS Transactions, 2006, 3, 137-146.	0.3	0
160	Theoretical Study on Ionic Surfactants that Participate in Electrochemical Adsorption Processes. ECS Transactions, 2006, 3, 127-136.	0.3	0
161	Effect Of Sodium Dodecyl Sulphate On The Analytical Determination Of Dopamine In Presence Of Ascorbic Acid. ECS Transactions, 2006, 3, 23-29.	0.3	1
162	Electrochemical and Spectrophotometric Detection of the Chromo-Diphenylcarbazide Complex using FIA. ECS Transactions, 2006, 3, 87-92.	0.3	0

#	ARTICLE	IF	CITATIONS
163	Electrodeposition Under Forced Convection Conditions. ECS Transactions, 2006, 3, 117-125.	0.3	0
164	Electrochemical polymerisation of 5-amino-1,10-phenanthroline onto different substrates. Experimental and theoretical study. Polymer, 2005, 46, 9053-9063.	1.8	41
165	Nucleation and diffusion-controlled growth of electroactive centers. Electrochimica Acta, 2005, 50, 4736-4745.	2.6	248
166	Lead Removal from Wastewater Using Cu(II) Polymethacrylate Formed by Gamma Radiation. Journal of Polymer Research, 2005, 12, 421-428.	1.2	16
167	Cd(II) and Pb(II) Separation from Aqueous Solution using Clinoptilolite and <i>Opuntia</i> Ectodermis. Environmental Technology (United Kingdom), 2005, 26, 821-830.	1.2	15
168	Theoretical and Experimental Study of Cobalt Nucleation and Growth onto Gold Substrate with Different Crystallinity. Journal of the Electrochemical Society, 2005, 152, C265.	1.3	16
169	Mercury Ions Removal from Aqueous Solution Using an Activated Composite Membrane. Environmental Science & Technology, 2005, 39, 7667-7670.	4.6	46
170	Electrochemical Deposition of Cetyltrimethylammonium Surface Hemimicelles at the Hg/0.1 M NaCl[sub (aq)] Interface. Journal of the Electrochemical Society, 2004, 151, C666.	1.3	23
171	Cr(VI) Removal From Wastewater Using Low Cost Sorbent Materials: Roots of <i>Typha Latifolia</i> and Ashes. Environmental Technology (United Kingdom), 2004, 25, 907-917.	1.2	12
172	Facilitated transport of Hg(II) through novel activated composite membranes. Analytical and Bioanalytical Chemistry, 2004, 380, 690-697.	1.9	18
173	Development of a Tubular Sensor Based on a Polypyrrole-Doped Membrane for the Potentiometric Determination of the Dodecylsulfate Anion in a FIA System. Electroanalysis, 2004, 16, 1236-1243.	1.5	14
174	A theoretical quantum study on the distribution of electrophilic and nucleophilic active sites on the Au(100) surface modeled as finite clusters. Computational and Theoretical Chemistry, 2004, 679, 187-194.	1.5	10
175	The effect of temperature on the kinetics and mechanism of silver electrodeposition. Solid State Ionics, 2004, 169, 81-85.	1.3	29
176	Corrosion inhibition of pipeline steel grade API 5L X52 immersed in a 1 M H <sub>2</sub> SO <sub>4</sub> aqueous solution using heterocyclic organic molecules. Electrochimica Acta, 2004, 49, 4733-4741.	2.6	129
177	Title is missing!. Journal of Applied Electrochemistry, 2003, 33, 61-71.	1.5	77
178	Study of the electrochemical behaviour of a carbon steel electrode in sodium sulfate aqueous solutions using electrochemical impedance spectroscopy. Journal of Solid State Electrochemistry, 2003, 7, 283-288.	1.2	9
179	Nucleation and growth of cobalt onto different substrates. Journal of Electroanalytical Chemistry, 2003, 545, 39-45.	1.9	80
180	A combined electrochemical-irradiation treatment of highly colored and polluted industrial wastewater. Radiation Physics and Chemistry, 2003, 67, 657-663.	1.4	90

#	ARTICLE	IF	CITATIONS
181	Gamma radiation-induced polymerization of Fe(II) and Fe(III) methacrylates for Cr(VI) removal from wastewater. <i>Radiation Physics and Chemistry</i> , 2003, 68, 819-825.	1.4	10
182	Kinetics of Cu Underpotential Deposition on Iodine-Modified Au(111) Electrodes. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11660-11665.	1.2	18
183	Characterization of black and white chromium electrodeposition films: surface and optical properties. <i>Journal of Non-Crystalline Solids</i> , 2003, 329, 31-38.	1.5	24
184	Electrochemical Study of Passive Layer Formation on Lead-Base Alloys Immersed in 5.31 M H <sub>2</sub> SO <sub>4</sub> Solution. <i>Journal of the Electrochemical Society</i> , 2002, 149, B543.	1.3	14
185	Nucleation and growth of cobalt onto different substrates. <i>Journal of Electroanalytical Chemistry</i> , 2002, 521, 95-106.	1.9	114
186	Quantum chemical study of the electrochemical reduction of the [Co(H <sub>2</sub> O) <sub>6</sub> ] <sup>2+</sup> and [Co(NH <sub>3</sub> ) <sub>5</sub> (H <sub>2</sub> O)] <sup>2+</sup> ions. <i>Electrochimica Acta</i> , 2001, 46, 2749-2755.	2.6	6
187	Formation Mechanisms and Characterization of Black and White Cobalt Electrodeposition onto Stainless Steel. <i>Journal of the Electrochemical Society</i> , 2000, 147, 1787.	1.3	54
188	New Insights into Evaluation of Kinetic Parameters for Potentiostatic Metal Deposition with Underpotential and Overpotential Deposition Processes. <i>Journal of Physical Chemistry B</i> , 2000, 104, 3545-3555.	1.2	78
189	On the Theory of the Potentiostatic Current Transient for Diffusion-Controlled Three-Dimensional Electrocrystallization Processes. <i>Journal of the Electrochemical Society</i> , 1999, 146, 1005-1012.	1.3	115
190	Influence of the coordination sphere on the mechanism of cobalt nucleation onto glassy carbon. <i>Journal of Electroanalytical Chemistry</i> , 1998, 443, 125-136.	1.9	103
191	Detailed characterization of potentiostatic current transients with 2D-2D and 2D-3D nucleation transitions. <i>Surface Science</i> , 1998, 399, 80-95.	0.8	107
192	Electrochemical nucleation of cobalt onto glassy carbon electrode from ammonium chloride solutions. <i>Electrochimica Acta</i> , 1996, 41, 2647-2655.	2.6	98
193	Silver electrocrystallization from a nonpolluting aqueous leaching solution containing ammonia and chloride. <i>Journal of Applied Electrochemistry</i> , 1996, 26, 451.	1.5	40