Manuel Eduardo Palomar-PardavÃ©

List of Publications by Year
in descending order

193 papers	4,564 citations	94269 37 h-index	128067 60 g-index
194 all docs	194 docs citations	194 times ranked	3848 citing authors

#	Article	IF	Citations
1	Nucleation and diffusion-controlled growth of electroactive centers. Electrochimica Acta, 2005, 50, 4736-4745.	2.6	248
2	Enhanced hostâ€“guest electrochemical recognition of dopamine using cyclodextrin in the presence of carbon nanotubes. Carbon, 2008, 46, 898-906.	5.4	146
3	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. Corrosion Science, 2012, 54, 231-243.	3.0	142
4	Corrosion inhibition of pipeline steel grade API 5L X52 immersed in a 1 M H2SO4 aqueous solution using heterocyclic organic molecules. Electrochimica Acta, 2004, 49, 4733-4741.	2.6	129
5	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
6	1-Ethyl 3-methylimidazolium thiocyanate ionic liquid as corrosion inhibitor of API 5L X52 steel in H2SO4 and HCl media. Corrosion Science, 2019, 153, 85-99.	3.0	122
7	On the Theory of the Potentiostatic Current Transient for Diffusionâ€Controlled Threeâ€Dimensional Electrocrystallization Processes. Journal of the Electrochemical Society, 1999, 146, 1005-1012.	1.3	115
8	Nucleation and growth of cobalt onto different substrates. Journal of Electroanalytical Chemistry, 2002, 521, 95-106.	1.9	114
9	Detailed characterization of potentiostatic current transients with 2D-2D and 2D-3D nucleation transitions. Surface Science, 1998, 399, 80-95.	0.8	107
10	Influence of the coordination sphere on the mechanism of cobalt nucleation onto glassy carbon. Journal of Electroanalytical Chemistry, 1998, 443, 125-136.	1.9	103
11	Electrochemical nucleation of cobalt onto glassy carbon electrode from ammonium chloride solutions. Electrochimica Acta, 1996, 41, 2647-2655.	2.6	98
12	A combined electrochemical-irradiation treatment of highly colored and polluted industrial wastewater. Radiation Physics and Chemistry, 2003, 67, 657-663.	1.4	90
13	Electrochemical study of 2-mercaptoimidazole as a novel corrosion inhibitor for steels. Electrochimica Acta, 2009, 54, 5393-5399.	2.6	83
14	Nucleation and growth of cobalt onto different substrates. Journal of Electroanalytical Chemistry, 2003, 545, 39-45.	1.9	80
15	New Insights into Evaluation of Kinetic Parameters for Potentiostatic Metal Deposition with Underpotential and Overpotential Deposition Processes. Journal of Physical Chemistry B, 2000, 104, 3545-3555.	1.2	78
16	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
17	DFT study of the adsorption of the corrosion inhibitor 2-mercaptoimidazole onto Fe(100) surface. Electrochimica Acta, 2013, 112, 577-586.	2.6	78
18	Title is missing!. Journal of Applied Electrochemistry, 2003, 33, 61-71.	1.5	77

#	Article	IF	Citations
19	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
20	Mild steel corrosion inhibition in HCl by di-alkyl and di-1,2,3-triazole derivatives of uracil and thymine. Materials Chemistry and Physics, 2014, 145, 407-417.	2.0	57
21	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
22	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. Electrochimica Acta, 2012, 85, 307-313.	2.6	55
23	Formation Mechanisms and Characterization of Black and White Cobalt Electrodeposition onto Stainless Steel. Journal of the Electrochemical Society, 2000, 147, 1787.	1.3	54
24	INFLUENCE OF TEMPERATURE ON THE THERMODYNAMICS AND KINETICS OF COBALT ELECTROCHEMICAL NUCLEATION AND GROWTH. Electrochimica Acta, 2017, 241, 162-169.	2.6	54
25	Enzyme entrapment by Î²-cyclodextrin electropolymerization onto a carbon nanotubes-modified screen-printed electrode. Biosensors and Bioelectronics, 2010, 26, 1768-1773.	5.3	52
26	Corrosion behavior of boride layers evaluated by the EIS technique. Applied Surface Science, 2007, 253, 9061-9066.	3.1	47
27	Nucleation and Growth Kinetics of Electrodeposited Sulfate-Doped Polypyrrole: Determination of the Diffusion Coefficient of SO₄^{2â€™} in the Polymeric Membrane. Journal of Physical Chemistry B, 2010, 114, 9737-9743.	1.2	47
28	Mercury Ions Removal from Aqueous Solution Using an Activated Composite Membrane. Environmental Science & Technology, 2005, 39, 7667-7670.	4.6	46
29	Mechanism and kinetics of the electrochemical formation of polypyrrole under forced convection conditions. Journal of Electroanalytical Chemistry, 2008, 613, 67-79.	1.9	46
30	On the electrochemical formation of nickel nanoparticles onto glassy carbon from a deep eutectic solvent. Electrochimica Acta, 2018, 276, 417-423.	2.6	46
31	Multicomponent Click Synthesis of New 1,2,3-Triazole Derivatives of Pyrimidine Nucleobases: Promising Acidic Corrosion Inhibitors for Steel. Molecules, 2013, 18, 15064-15079.	1.7	45
32	Mechanism and Kinetics of Chromium Electrochemical Nucleation and Growth from a Choline Chloride/Ethylene Glycol Deep Eutectic Solvent. Journal of the Electrochemical Society, 2018, 165, D393-D401.	1.3	43
33	Niâ€“Co alloy electrodeposition from the cathode powder of Ni-MH spent batteries leached with a deep eutectic solvent (reline). Journal of Alloys and Compounds, 2020, 830, 154650.	2.8	43
34	Electrochemical polymerisation of 5-amino-1,10-phenanthroline onto different substrates. Experimental and theoretical study. Polymer, 2005, 46, 9053-9063.	1.8	41
35	Electrochemical and spectrophotometric determination of the formation constants of the ascorbic acid-Î²-cyclodextrin and dopamine-Î²-cyclodextrin inclusion complexes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 91-99.	1.6	41
36	Silver electrocrystallization from a nonpolluting aqueous leaching solution containing ammonia and chloride. Journal of Applied Electrochemistry, 1996, 26, 451.	1.5	40

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37	Tribocorrosion and cytotoxicity of FeB-Fe2B layers on AISI 316 L steel. Surface and Coatings Technology, 2018, 349, 986-997.	2.2	40
38	Adsorption and corrosion inhibition behaviour of new theophyllineâ€“triazole-based derivatives for steel in acidic medium. Royal Society Open Science, 2019, 6, 181738.	1.1	38
39	Three-dimensional nucleation with diffusion controlled growth: A comparative study of electrochemical phase formation from aqueous and deep eutectic solvents. Journal of Electroanalytical Chemistry, 2017, 793, 119-125.	1.9	37
40	Electrochemical and AFM characterization of the electropolimerization of pyrrole over a graphiteâ€“epoxy resin solid composite electrode, in the presence of different anions. Applied Surface Science, 2006, 252, 5783-5792.	3.1	36
41	Electrochemical Quantification of the Antioxidant Capacity of Medicinal Plants Using Biosensors. Sensors, 2014, 14, 14423-14439.	2.1	36
42	Palladium Nanoparticles Electrodeposition onto Glassy Carbon from a Deep Eutectic Solvent at 298 K and Their Catalytic Performance toward Formic Acid Oxidation. Journal of the Electrochemical Society, 2019, 166, D3205-D3211.	1.3	36
43	Development of a novel nitrate-selective composite sensor based on doped polypyrrole. Analytical and Bioanalytical Chemistry, 2007, 387, 1533-1541.	1.9	35
44	Synthesis of New 1,2,3-Triazole Derivatives of Uracil and Thymine with Potential Inhibitory Activity against Acidic Corrosion of Steels. Molecules, 2013, 18, 4613-4627.	1.7	35
45	New insights on diclofenac electrochemistry using graphite as working electrode. Journal of Electroanalytical Chemistry, 2017, 794, 182-188.	1.9	35
46	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
47	Carbon supported PdM (M = Fe, Co) electrocatalysts for formic acid oxidation. Influence of the Fe and Co precursors. International Journal of Hydrogen Energy, 2019, 44, 1640-1649.	3.8	33
48	NEW INSIGTHS ON THE KINETICS AND MECHANISM OF THE ELECTROCHEMICAL OXIDATION OF DICLOFENAC IN NEUTRAL AQUEOUS MEDIUM. Electrochimica Acta, 2016, 199, 92-98.	2.6	31
49	On Wetting Angles and Nucleation Energies during the Electrochemical Nucleation of Cobalt onto Glassy Carbon from a Deep Eutectic Solvent. Journal of the Electrochemical Society, 2017, 164, D694-D699.	1.3	31
50	The effect of temperature on the kinetics and mechanism of silver electrodeposition. Solid State Ionics, 2004, 169, 81-85.	1.3	29
51	Imidazolium, Pyridinium and Dimethylâ€Ethylbenzyl Ammonium Derived Compounds as Mixed Corrosion Inhibitors in Acidic Medium. Journal of Surfactants and Detergents, 2011, 14, 211-220.	1.0	29
52	Gold nanoparticles modified-ITO electrode for the selective electrochemical quantification of dopamine in the presence of uric and ascorbic acids. Journal of Electroanalytical Chemistry, 2013, 706, 69-75.	1.9	29
53	Supramolecular interaction of dopamine with Î²-cyclodextrin: An experimental and theoretical electrochemical study. Journal of Electroanalytical Chemistry, 2014, 717-718, 103-109.	1.9	28
54	Corrosion behavior of AISI 316L borided and non-borided steels immersed in a simulated body fluid solution. Surface and Coatings Technology, 2015, 280, 384-395.	2.2	27

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55	Fluconazole and fragments as corrosion inhibitors of API 5L X52 steel immersed in 1M HCl. Corrosion Science, 2020, 174, 108853.	3.0	27
56	Electrochemical Synthesis of Cobalt with Different Crystal Structures from a Deep Eutectic Solvent. Journal of the Electrochemical Society, 2018, 165, D285-D290.	1.3	26
57	Electrochemical evaluation of cephalothin as corrosion inhibitor for API 5L X52 steel immersed in an acid medium. Arabian Journal of Chemistry, 2019, 12, 3244-3253.	2.3	25
58	Characterization of black and white chromium electrodeposition films: surface and optical properties. Journal of Non-Crystalline Solids, 2003, 329, 31-38.	1.5	24
59	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
60	Aluminum Electrochemical Nucleation and Growth onto a Glassy Carbon Electrode from a Deep Eutectic Solvent. Journal of the Electrochemical Society, 2019, 166, D3035-D3041.	1.3	23
61	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
62	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
63	Simulation of heat transfer in steel billets during continuous casting. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 403-416.	2.4	21
64	Kinetics and Mechanism of the Electrochemical Formation of Iron Oxidation Products on Steel Immersed in Sour Acid Media. Journal of Physical Chemistry B, 2011, 115, 1833-1841.	1.2	20
65	Quercetin spectrofluorometric quantification in aqueous media using different surfactants as fluorescence promoters. RSC Advances, 2018, 8, 10980-10986.	1.7	20
66	2D Materialsâ€based Platforms for Electroanalysis Applications. Electroanalysis, 2018, 30, 1271-1280.	1.5	20
67	Electrochemical study and physicochemical characterization of iron nanoparticles electrodeposited onto HOPG from Fe(III) ions dissolved in the choline chloride-urea deep eutectic solvent. Journal of Electroanalytical Chemistry, 2019, 851, 113453.	1.9	20
68	Kinetics of Cu Underpotential Deposition on Iodine-Modified Au(111) Electrodes. Journal of Physical Chemistry B, 2003, 107, 11660-11665.	1.2	18
69	Facilitated transport of Hg(II) through novel activated composite membranes. Analytical and Bioanalytical Chemistry, 2004, 380, 690-697.	1.9	18
70	Overpotential deposition of copper on an iodine-modified Au(111) electrode. Electrochimica Acta, 2008, 53, 2115-2120.	2.6	18
71	Influence of the HClO4 concentration on the Î²-CD electropolimerization over a carbon paste electrode and on dopamine's electrochemical response. Electrochimica Acta, 2013, 89, 854-860.	2.6	18
72	New insights on the spectrophotometric determination of melatonin pKa values and melatonin-Î²CD inclusion complex formation constant. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 190, 442-449.	2.0	18

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73	Simultaneous Electrochemical Determination of Adrenaline and Ascorbic Acid: Influence of [CTAB]. Journal of the Electrochemical Society, 2009, 156, J375.	1.3	17
74	Electrochemical quantification of the electro-active surface area of Au nanoparticles supported onto an ITO electrode by means of Cu upd. Electrochemistry Communications, 2015, 56, 70-74.	2.3	17
75	Electrochemical nucleation and growth of Cu onto Au nanoparticles supported on a Si (111) wafer electrode. Journal of Electroanalytical Chemistry, 2017, 791, 1-7.	1.9	17
76	Iron Electrodeposition from Fe(II) Ions Dissolved in a Choline Chloride: Urea Eutectic Mixture. Journal of the Electrochemical Society, 2018, 165, D808-D812.	1.3	17
77	Mechanism and Kinetics of Palladium Nanoparticles Electrochemical Formation onto Glassy Carbon, from a Deep Eutectic Solvent (Reline). Journal of Physical Chemistry B, 2020, 124, 3973-3983.	1.2	17
78	Lead Removal from Wastewater Using Cu(II) Polymethacrylate Formed by Gamma Radiation. Journal of Polymer Research, 2005, 12, 421-428.	1.2	16
79	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
80	Electrochemical nucleation and growth of black and white chromium deposits onto stainless steel surfaces. Journal of Electroanalytical Chemistry, 2010, 647, 128-132.	1.9	16
81	Electrochemical Corrosion Behavior of Borided CoCrMo Alloy Immersed in Hanksâ€™ Solution. Journal of Materials Engineering and Performance, 2017, 26, 704-714.	1.2	16
82	Cd(II) and Pb(II) Separation from Aqueous Solution using Clinoptilolite andOpuntiaEctodermis. Environmental Technology (United Kingdom), 2005, 26, 821-830.	1.2	15
83	Stable and sensitive flow-through monitoring of phenol using a carbon nanotube based screen printed biosensor. Nanotechnology, 2010, 21, 245502.	1.3	15
84	Quantum Chemical Calculations on the Interaction between Flavonol and Functional Monomers (Methacrylic Acid and 4-Vinylpyridine) in Molecularly Imprinted Polymers. Molecules, 2010, 15, 4017-4032.	1.7	15
85	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. Synthesis, 2014, 46, 1217-1223.	1.2	15
86	Electrochemical Study of Passive Layer Formation on Lead-Base Alloys Immersed in 5.31 M H[sub 2]SO[sub 4] Solution. Journal of the Electrochemical Society, 2002, 149, B543.	1.3	14
87	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
88	Electrochemical Evaluation of Corrosion on Borided and Non-borided Steels Immersed in 1ÂM HCl Solution. Journal of Materials Engineering and Performance, 2014, 23, 2809-2818.	1.2	14
89	Electrochemical Nucleation and Growth of Mn and Mn-Zn Alloy from Leached Liquors of Spent Alkaline Batteries Using a Deep Eutectic Solvent. Journal of the Electrochemical Society, 2019, 166, D199-D204.	1.3	14
90	Electrochemical and Microscopy Study of Localized Corrosion on a Sensitized Stainless Steel AISI 304. ECS Transactions, 2010, 29, 93-102.	0.3	13

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91	Effects of turbulent flow on the corrosion inhibition properties of 2â€mercaptobenzimidazole. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 522-529.	0.8	13
92	Novel electrochemical method to evaluate the antioxidant capacity of infusions and beverages, based on in situ formation of free superoxide radicals. Food Chemistry, 2020, 332, 127409.	4.2	13
93	A Deep Eutectic Solvent as Leaching Agent and Electrolytic Bath for Silver Recovery from Spent Silver Oxide Batteries. Journal of the Electrochemical Society, 2021, 168, 016508.	1.3	13
94	Cr(VI) Removal From Wastewater Using Low Cost Sorbent Materials: Roots ofTypha Latifoliaand Ashes. Environmental Technology (United Kingdom), 2004, 25, 907-917.	1.2	12
95	Simulation factors of steel continuous casting. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 267-275.	2.4	12
96	Guest-Host Complex Formed between Ascorbic Acid and Î²-Cyclodextrin Immobilized on the Surface of an Electrode. Molecules, 2014, 19, 5952-5964.	1.7	12
97	Ion-Selective Electrodes for Mercury Determination at Low Concentrations: Construction, Optimization and Application. Journal of the Electrochemical Society, 2016, 163, B90-B96.	1.3	12
98	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. Arabian Journal for Science and Engineering, 2017, 42, 163-174.	1.7	12
99	Simultaneous electrochemical quantification of naproxen, acetaminophen and diclofenac using a bare carbon paste electrode. Analytical Methods, 2016, 8, 7868-7872.	1.3	11
100	Gamma radiation-induced polymerization of Fe(II) and Fe(III) methacrylates for Cr(VI) removal from wastewater. Radiation Physics and Chemistry, 2003, 68, 819-825.	1.4	10
101	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
102	Electrochemical characterization of tenoxicam using a bare carbon paste electrode under stagnant and forced convection conditions. Electrochimica Acta, 2012, 59, 150-155.	2.6	10
103	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
104	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
105	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
106	Nucleation kinetics and contact angles of silver clusters electrodeposited on indium tin oxide surfaces. Journal of Electroanalytical Chemistry, 2016, 765, 140-148.	1.9	9
107	On the Corrosion Mechanism of Borided X12CrNiMoV12-3 Steel Immersed in a Neutral Aqueous Solution Containing Chloride and Sulfate Ions. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 4868-4879.	1.1	9
108	Electrochemical Impedance Spectroscopy Analysis of 2-Mercaptobenzimidazole (2MBI) as Corrosion Inhibitor in HCl 1M. ECS Transactions, 2009, 20, 543-553.	0.3	8

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109	Computational algorithms to simulate the steel continuous casting. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 596-607.	2.4	8
110	Construction and Optimization of a Novel Acetylcholine Ion-Selective Electrode and its Application for Trace Level Determination of Propoxur Pesticide. Journal of the Electrochemical Society, 2020, 167, 087501.	1.3	8
111	Quinizarin characterization and quantification in aqueous media using UV-VIS spectrophotometry and cyclic voltammetry. Dyes and Pigments, 2021, 184, 108641.	2.0	8
112	Spectrophotometric quantification of the thermodynamic constants of the complexes formed by dopamine and Cu(II) in aqueous media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 143, 187-191.	2.0	7
113	Heat removal analysis on steel billets and slabs produced by continuous casting using numerical simulation. International Journal of Advanced Manufacturing Technology, 2017, 93, 1545-1565.	1.5	7
114	Spectro-electrochemical characterization and quantification of Rutin in aqueous media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117814.	2.0	7
115	Electrocatalytic oxidation of formic acid by palladium nanoparticles electrochemically synthesized from a deep eutectic solvent. Catalysis Today, 2022, 394-396, 190-197.	2.2	7
116	Insights into Electronucleation and Electrodeposition of Nickel from a Non-aqueous Solvent Based on NiCl₂Â·6H₂O Dissolved in Ethylene Glycol. Inorganic Chemistry, 2022, 61, 5099-5111.	1.9	7
117	Quantum chemical study of the electrochemical reduction of the [Co(H2O)6]2+ and [Co(NH3)5(H2O)]2+ ions. Electrochimica Acta, 2001, 46, 2749-2755.	2.6	6
118	Dopamine Electrochemical Behavior onto an Electrode Modified with a Î²-cyclodextrin Polymer. ECS Transactions, 2009, 20, 151-157.	0.3	6
119	Spectro-electrochemical and DFT study of tenoxicam metabolites formed by electrochemical oxidation. Electrochimica Acta, 2013, 111, 314-323.	2.6	6
120	New 1-(2-pyridinyl)-2-(o-, m-, p-hydroxyphenyl) benzimidazoles as corrosion inhibitors for API 5L X52 steel in acid media. Anti-Corrosion Methods and Materials, 2018, 65, 166-175.	0.6	6
121	Electrochemical Deposition of Pd@Pd(OH)₂ Core-Shell Nanoparticles onto Glassy Carbon from a Deep Eutectic Solvent (Reline) and their Use as Electrocatalyst for the Methanol Oxidation Reaction. Journal of the Electrochemical Society, 2020, 167, 112509.	1.3	6
122	Cr(VI) and Cr(VI) â€“ Diphenylcarbazide Removal from Aqueous Solutions Using an Iron Rotating Disc Electrode. Environmental Technology (United Kingdom), 2007, 28, 1-9.	1.2	5
123	Development a Boron Potentiometric Determination Methodology Using a Carbon Paste Electrode Modified with a Î²-Cyclodextrine- Azomethine-H Inclusion Complex. ECS Transactions, 2009, 20, 13-19.	0.3	5
124	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
125	Study and Electrochemical Impedance Characterization of The Î²-Cyclodextrin, Î²-CD, Polymer on a Carbon Paste Electrode. ECS Transactions, 2011, 36, 439-446.	0.3	5
126	A cellular automata model for simulating grain structures with straight and hyperbolic interfaces. International Journal of Minerals, Metallurgy and Materials, 2012, 19, 699-710.	2.4	5

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127	Electrocrystallization mechanism of iron phosphate coatings onto mild steel electrode surfaces. Journal of Solid State Electrochemistry, 2013, 17, 459-466.	1.2	5
128	Electrochemical quantification of the thermodynamic equilibrium constant of the tenoxicam-Î²-cyclodextrin inclusion complex formed on the surface of a poly-Î² cyclodextrin-modified carbon paste electrode. Electrochimica Acta, 2014, 140, 535-540.	2.6	5
129	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. Analytical Methods, 2015, 7, 8568-8571.	1.3	5
130	Spectrophotometric and electrochemical quantification of the hostâ€“guest interaction of tenoxicam and Î²-CD in aqueous solution at different pH values. Journal of Electroanalytical Chemistry, 2015, 738, 20-26.	1.9	5
131	Taking advantage of CTAB micelles for the simultaneous electrochemical quantification of diclofenac and acetaminophen in aqueous media. RSC Advances, 2017, 7, 40401-40410.	1.7	5
132	Experimental and theoretical study on the corrosion inhibition of API 5L X52 steel in acid media by a new quinazoline derivative. Journal of Molecular Liquids, 2020, 320, 114449.	2.3	5
133	Electrodeposition of Nanostructured Chromium Conglomerates from Cr(III) Dissolved in a Deep Eutectic Solvent: Influence of Forced Convection. Journal of the Electrochemical Society, 2021, 168, 112512.	1.3	5
134	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. Transactions of Nonferrous Metals Society of China, 2022, 32, 1050-1060.	1.7	5
135	Kinetics Mechanism of Copper UPD Nucleation and Growth on Mono and Polycrystaline Gold. ECS Transactions, 2007, 3, 35-43.	0.3	4
136	Study on the Influence of Chloride Concentration on Copper Electrodeposition. ECS Transactions, 2006, 3, 25-34.	0.3	4
137	Microwave-Assisted Preparation of 2-(Benzylthio)imidazole and 2-(Benzylthio)benzimidazole and its Comparative Corrosion Inhibiting Performance with 2-Mercaptoimidazole and 2-Mercaptobenzimidazole. ECS Transactions, 2009, 20, 519-527.	0.3	4
138	Electrochemical Characterization of Quercetin in Aqueous Solution. ECS Transactions, 2009, 20, 115-122.	0.3	4
139	Determination of Inhibition Properties of Caffeine, Theophylline and Their Allylic and Propargylic Derivatives on API 5L X70 Steel Immerse in 1M HCl. ECS Transactions, 2018, 84, 165-171.	0.3	4
140	Influence of the diffusion annealing process in the corrosion susceptibility of cobalt boride layer immersed in Hank's solution. Surface and Coatings Technology, 2021, 421, 127462.	2.2	4
141	Electrochemical Study of Dopamine and Ascorbic Acid by Means of Supramolecular Systems. ECS Transactions, 2008, 15, 325-334.	0.3	3
142	Analysis of the Copper Electrodeposition Current Transients in Nitrates Media. ECS Transactions, 2009, 20, 357-364.	0.3	3
143	Study on the Supramolecular Interaction of Dopamine with Carbon Nanotubes and Î²-Cyclodextrin Immovilized over a Carbon Paste Electrode. ECS Transactions, 2011, 36, 471-481.	0.3	3
144	Construction of Supramolecular Systems for the Selective and Quantitative Determination of Dopamine in the Presence of Ascorbic Acid. Procedia Chemistry, 2014, 12, 55-61.	0.7	3

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145	On the Curcumin and Î²â€€yclodextrin Interaction in Aqueous Media. Spectrophotometric and Electrochemical Study. ChemElectroChem, 2022, 9, .	1.7	3
146	Electrochemical and Spectrophotometric Evaluation of the Formation Constants of the AA-Î²CD and DA-Î²CD Inclusion Complexes. ECS Transactions, 2008, 15, 507-516.	0.3	2
147	Potentiometric Behavior of Diverse Polypyrrole-sulphate Films Electro Synthesized on Graphite - Epoxy Resin Composite. ECS Transactions, 2009, 20, 31-40.	0.3	2
148	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
149	Pantoprazol as Inhibitor of API 5L X52 Steal Corrosion in HCl 1M. ECS Transactions, 2011, 36, 207-216.	0.3	2
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