

J P Correia

List of Publications by Year in descending order

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40
papers

778
citations

516710

16
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526287

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41
all docs

41
docs citations

41
times ranked

813
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Mechanism of Electroless Niâ€P Plating. Journal of the Electrochemical Society, 1994, 141, 2356-2360.	2.9	135
2	Electronically conductive polymer grafted with oligonucleotides as electro sensors of DNA. Journal of Electroanalytical Chemistry, 2001, 509, 48-57.	3.8	82
3	Electrochemical deposition of bio-inspired laccase-polydopamine films for phenolic sensors. Electrochimica Acta, 2019, 319, 462-471.	5.2	48
4	Polyaniline films containing electrolessly precipitated palladium. Electrochimica Acta, 2004, 49, 2249-2257.	5.2	43
5	Electrochemical mineralization of anaerobically digested olive mill wastewater. Water Research, 2012, 46, 4217-4225.	11.3	39
6	Electrosynthesis of polydopamine films - tailored matrices for laccase-based biosensors. Applied Surface Science, 2019, 480, 979-989.	6.1	38
7	Progress in the understanding of tyramine electropolymerisation mechanism. Journal of Solid State Electrochemistry, 2007, 11, 1059-1069.	2.5	36
8	Palladium electrodeposition on polyaniline films. Electrochimica Acta, 2007, 53, 664-672.	5.2	34
9	Structural modifications during conducting polymer formation â€” an ellipsometric study. Electrochimica Acta, 2001, 46, 3181-3187.	5.2	32
10	Study of DNA hybridization on polypyrrole grafted with oligonucleotides by photocurrent spectroscopy. Biosensors and Bioelectronics, 2001, 16, 295-303.	10.1	28
11	Polypyrrole incorporating electroless nickel. Electrochimica Acta, 2000, 45, 4179-4185.	5.2	26
12	Electrochemical and optical characterization of thin polydopamine films on carbon surfaces for enzymatic sensors. Electrochimica Acta, 2018, 263, 480-489.	5.2	20
13	Synthesis of Vitamin-B12 Derivatives with an Electropolymerizable Side Chain. Helvetica Chimica Acta, 1998, 81, 1117-1126.	1.6	19
14	Immobilization of Vitamin B12 onto solid electrodes by electropolymerization of a catalyst-modified monomer. Electrochimica Acta, 2005, 50, 1653-1659.	5.2	18
15	Optical and Electrochemical Combination Sensor with Polyâ€Aniline Film Modified Gold Surface and Its Application for Dissolved Oxygen Detection. Electroanalysis, 2014, 26, 374-381.	2.9	18
16	Electropolymerization of 3-methylthiophene studied by multiframe convolution. Journal of Electroanalytical Chemistry, 2004, 573, 299-306.	3.8	16
17	Polypyrrole films functionalized with pendant titanocene dichloride complexes: Ellipsometric study of the electropolymerization process. Electrochimica Acta, 2007, 53, 1195-1205.	5.2	16
18	Study of DNA hybridization by photocurrent spectroscopy. Synthetic Metals, 2001, 119, 407-408.	3.9	14

#	ARTICLE	IF	CITATIONS
19	Corrosion of silver alloys in sulphide environments: a multianalytical approach for surface characterisation. RSC Advances, 2016, 6, 51856-51863.	3.6	14
20	An ellipsometric study of poly(3,4-ethylenedioxythiophene) electrosynthesis from the initial stages to thick layers formation. Journal of Electroanalytical Chemistry, 2010, 646, 75-84.	3.8	12
21	Anodic oxidation of oleate for wastewater treatment. Desalination, 2005, 185, 351-355.	8.2	11
22	Food waste biorefinery: Stability of an acidogenic fermentation system with carbon dioxide sequestration and electricity generation. Journal of Cleaner Production, 2020, 270, 122040.	9.3	9
23	The heterogeneous growth of P(3MeTh) an ellipsometric study. Electrochimica Acta, 2001, 46, 3993-3999.	5.2	8
24	The influence of the constituent elements on the corrosion mechanisms of silver alloys in sulphide environments: the case of sterling silver. RSC Advances, 2017, 7, 28564-28572.	3.6	8
25	Ellipsometry to Access Structural Information of Electroactive Polymer Films. Materials Science Forum, 2004, 455-456, 657-660.	0.3	7
26	In situ ellipsometric studies on the electrochemically induced structural modifications during poly(3-methylthiophene) formation. Synthetic Metals, 2006, 156, 287-292.	3.9	7
27	Electrooxidation as the anaerobic pre-treatment of fats: Oleate conversion using RuO ₂ and IrO ₂ based anodes. Bioresource Technology, 2008, 99, 8207-8211.	9.6	6
28	Improved Potentiometric and Optic Sensitivity of Polyaniline Film to Dissolved Oxygen by Incorporating Iron Porphyrin. Electroanalysis, 2015, 27, 1427-1435.	2.9	6
29	Trivalent chromium conversion coating on AA2024-T3 used in aeronautical and aerospace industry. Surface and Interface Analysis, 2019, 51, 1298-1311.	1.8	6
30	Catalytic Co and Fe porphyrin/Fe ₃ O ₄ nanoparticles assembled on gold by carbon disulfide. Electrochimica Acta, 2016, 188, 1-12.	5.2	5
31	An Imaging Ellipsometry Approach to Dissolved Oxygen Measurement on Surface Tethered Weak Polyelectrolyte Modified Electrode. Journal of the Electrochemical Society, 2016, 163, H286-H291.	2.9	4
32	Potential Modulation on Total Internal Reflection Ellipsometry. Analytical Chemistry, 2016, 88, 3211-3217.	6.5	3
33	When gold stops glittering: corrosion mechanisms of Ren� Laliq�'s Art Nouveau jewellery. Journal of Analytical Atomic Spectrometry, 2019, 34, 1216-1222.	3.0	2
34	On the cathodic doping of poly(3-methylthiophene). Journal De Chimie Physique Et De Physico-Chimie Biologique, 1998, 95, 1172-1175.	0.2	2
35	Combined Electrochemical, Ellipsometric and Microgravimetric Study of Ion Permeable Polydopamine Films. Journal of the Electrochemical Society, 2022, 169, 046503.	2.9	2
36	Effect of Electrochemical Treatment of Oleic Acid on Anaerobic Digestion. Environmental Technology (United Kingdom), 2006, 27, 1289-1295.	2.2	1

#	ARTICLE	IF	CITATIONS
37	Influence of the Deposition Parameters on the Properties of Bis-Triethoxysilylpropyl] Tetrasulphide (BTESPT) Layers on AA2024-T3 – An Ellipsometric Study. Materials Science Forum, 2006, 514-516, 682-686.	0.3	1
38	Immobilisation of the Vitamin B12 Derivative B12-Tyramide on Electrode Surfaces. Heterocycles, 2010, 82, 699.	0.7	1
39	Alternative chemical conversion pre-treatment for aeronautical aluminium alloy: characterisation and anticorrosion performance. CEAS Space Journal, 2023, 15, 265-280.	2.3	1
40	Electrosynthesis and Characterisation of Poly(3,4-Ethylenedioxythiophene) Films Incorporating Ferrocene. Portugaliae Electrochimica Acta, 2007, 26, 55-64.	1.1	0