

Francisco Cases

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73 papers	1,587 citations	25 h-index	37 g-index
76 ext. papers	1,722 ext. citations	4.6 avg, IF	4.38 L-index

#	Paper	IF	Citations
73	Characterization of the behaviour of flavour microcapsules in cotton fabrics. <i>European Polymer Journal</i> , 2007 , 43, 2481-2490	5.2	94
72	A voltammetric and FTIR/ATR study of the electropolymerization of phenol on platinum electrodes in carbonate medium. <i>Journal of Electroanalytical Chemistry</i> , 1998 , 451, 163-171	4.1	90
71	Electrochemical characterization of reduced graphene oxide-coated polyester fabrics. <i>Electrochimica Acta</i> , 2013 , 93, 44-52	6.7	71
70	Characterization and stability of doped SnO ₂ anodes. <i>Journal of Applied Electrochemistry</i> , 1998 , 28, 607-612	6.1	67
69	Chemical and electrochemical study of fabrics coated with reduced graphene oxide. <i>Applied Surface Science</i> , 2013 , 279, 46-54	6.7	66
68	Electrochemical polymerisation of aniline on conducting textiles of polyester covered with polypyrrole/AQSA. <i>European Polymer Journal</i> , 2009 , 45, 1302-1315	5.2	58
67	Chemical and electrochemical polymerisation of pyrrole on polyester textiles in presence of phosphotungstic acid. <i>European Polymer Journal</i> , 2008 , 44, 2087-2098	5.2	58
66	Conducting fabrics of polyester coated with polypyrrole and doped with graphene oxide. <i>Synthetic Metals</i> , 2015 , 204, 110-121	3.6	55
65	Influence of electrochemical reduction and oxidation processes on the decolourisation and degradation of C.I. Reactive Orange 4 solutions. <i>Chemosphere</i> , 2009 , 75, 1329-37	8.4	44
64	Electrochemical treatment of a synthetic wastewater containing a sulphonated azo dye. Determination of naphthalenesulphonic compounds produced as main by-products. <i>Desalination</i> , 2011 , 273, 428-435	10.3	43
63	Electrochemical behaviour of amino acids on Pt(h,k,l): a voltammetric and in situ FTIR study. Part 1. Glycine on Pt(111). <i>Journal of Electroanalytical Chemistry</i> , 1997 , 421, 179-185	4.1	42
62	Stability of conducting polyester/polypyrrole fabrics in different pH solutions. Chemical and electrochemical characterization. <i>Polymer Degradation and Stability</i> , 2010 , 95, 2574-2583	4.7	41
61	Dissociative adsorption of ethanol on Pt (h, k, l) basal surfaces. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 278, 433-440		41
60	Voltammetric and in situ FTIRS study of the electrochemical oxidation of aniline from aqueous solutions buffered at pH 5. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 501, 186-192	4.1	40
59	Plasma treatment of polyester fabrics to increase the adhesion of reduced graphene oxide. <i>Synthetic Metals</i> , 2015 , 202, 110-122	3.6	38
58	Graphene-based materials for the electrochemical determination of hazardous ions. <i>Analytica Chimica Acta</i> , 2016 , 946, 9-39	6.6	36
57	On the behaviour of doped SnO ₂ anodes stabilized with platinum in the electrochemical degradation of reactive dyes. <i>Electrochimica Acta</i> , 2010 , 55, 7282-7289	6.7	35

56	Corrosion behaviour at the interface of steel bars embedded in cement slurries: Effect of phenol polymer coatings. <i>Corrosion Science</i> , 2002 , 44, 2805-2816	6.8	35
55	Electrochemical treatment of real textile wastewater: Trichromy Procion HEXL. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 808, 387-394	4.1	30
54	Electrochemical behaviour of amino acids on Pt(h, k, l). A voltammetric and in situ FTIR study. Part II. Serine and alanine on Pt(111). <i>Journal of Electroanalytical Chemistry</i> , 1997 , 431, 269-275	4.1	30
53	Irreversible adsorption of methanol on Pt(110) in carbonate solution. <i>Electrochimica Acta</i> , 1992 , 37, 1883-1886	3.7	30
52	Study of the electrochemical oxidation and reduction of C.I. Reactive Orange 4 in sodium sulphate alkaline solutions. <i>Journal of Hazardous Materials</i> , 2009 , 172, 187-95	12.8	28
51	Electrochemical study of polypyrrole/PW12O403- coatings on carbon steel electrodes as protection against corrosion in chloride aqueous solutions. <i>Corrosion Science</i> , 2006 , 48, 1122-1136	6.8	27
50	Photocatalytic fabrics based on reduced graphene oxide and TiO ₂ coatings. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015 , 199, 62-76	3.1	26
49	Formation of CO during adsorption on platinum electrodes of methanol, formaldehyde, ethanol and acetaldehyde in carbonate medium. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 368, 285-291	4.1	26
48	Electrochemical oxidation of ethanol on Pt(hkl) basal surfaces in NaOH and Na ₂ CO ₃ media. <i>Journal of Power Sources</i> , 1994 , 52, 109-117	8.9	24
47	Electrochemical characterization of electrochemically reduced graphene coatings on platinum. Electrochemical study of dye adsorption. <i>Electrochimica Acta</i> , 2015 , 166, 54-63	6.7	20
46	Chemical, electrical and electrochemical characterization of hybrid organic/inorganic polypyrrole/PW12O403-coating deposited on polyester fabrics. <i>Applied Surface Science</i> , 2011 , 257, 10056-10064	6.7	19
45	X-Ray Photoelectron Spectroscopy Study of the Composition of Polyphenol Films Formed on Pt by Electropolymerisation of Phenol in the Presence of Sulphide in Carbonate Medium. <i>Polymer Journal</i> , 2003 , 35, 911-919	2.7	18
44	Conducting films obtained by electro-oxidation of p-aminodiphenylamine (ADPA) in the presence of aniline in buffer aqueous solution at pH 5. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 529, 59-65	4.1	18
43	Influence of the scan rate on the morphology of polyaniline grown on conducting fabrics. Centipede-like morphology. <i>Synthetic Metals</i> , 2010 , 160, 99-107	3.6	16
42	Dissociative adsorption of acetaldehyde on Pt(h,k,l) basal surfaces. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 281, 283-288		15
41	Synthesis of Pt nanoparticles on electrochemically reduced graphene oxide by potentiostatic and alternate current methods. <i>Materials Characterization</i> , 2014 , 89, 56-68	3.9	14
40	Electropolymerization of Phenol on Carbon Steel and Stainless Steel Electrodes in Carbonate Aqueous Medium. <i>Polymer Journal</i> , 2000 , 32, 623-628	2.7	14
39	Enhanced adhesion of polypyrrole/PW12O hybrid coatings on polyester fabrics. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 422-433	2.9	12

38	Characterization of azo dyes on Pt and Pt/polyaniline/dispersed Pt electrodes. <i>Applied Surface Science</i> , 2012 , 258, 6246-6256	6.7	12
37	Voltammetric behaviour in perchloric acid of adsorbed residues formed at open circuit from the adsorption of acetaldehyde and ethanol on a Pt(111) elec. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 310, 403-415		12
36	Study on the specific capacitance of an activated carbon cloth modified with reduced graphene oxide and polyaniline by cyclic voltammetry. <i>European Polymer Journal</i> , 2017 , 92, 194-203	5.2	11
35	Functionalization of Cotton by RGO/TiO ₂ to Enhance Photodegradation of Rhodamine B Under Simulated Solar Irradiation. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	11
34	The electrochemical co-polymerization of p-aminodiphenylamine and aniline: effect of pH. <i>Synthetic Metals</i> , 2005 , 148, 81-85	3.6	11
33	On the behavior of reduced graphene oxide based electrodes coated with dispersed platinum by alternate current methods in the electrochemical degradation of reactive dyes. <i>Chemosphere</i> , 2017 , 183, 242-251	8.4	10
32	Electrochemical synthesis of polyaniline on conducting fabrics of polyester covered with polypyrrole/PW12O ₄₀ ³⁻ Chemical and electrochemical characterization. <i>Synthetic Metals</i> , 2011 , 161, 953-963	3.6	10
31	Study of the electrical properties of novel hybrid organic/organic conducting textiles of polypyrrole-phosphotungstate-polyester using electrochemical impedance spectroscopy. <i>Synthetic Metals</i> , 2011 , 161, 1958-1965	3.6	10
30	Characterisation and corrosion studies of steel electrodes covered by polypyrrole/phosphotungstate using Electrochemical Impedance Spectroscopy. <i>Progress in Organic Coatings</i> , 2009 , 66, 235-241	4.8	10
29	Voltammetric study of the nature of adsorbed residues arising from irreversible adsorption of acetaldehyde and ethanol on Pt(111) in acid media: first oxidation peak. <i>Journal of Electroanalytical Chemistry</i> , 1993 , 350, 267-277	4.1	10
28	Electrochemical study on an activated carbon cloth modified by cyclic voltammetry with polypyrrole/anthraquinone sulfonate and reduced graphene oxide as electrode for energy storage. <i>European Polymer Journal</i> , 2018 , 103, 179-186	5.2	9
27	Scanning electrochemical microscopy for the analysis and patterning of graphene materials: A review. <i>Synthetic Metals</i> , 2016 , 222, 145-161	3.6	9
26	Metallic corrosion of steels embedded in calcium aluminate cement mortars. <i>Cement and Concrete Research</i> , 2001 , 31, 1263-1269	10.3	9
25	Electrochemical synthesis of polypyrrole doped with graphene oxide and its electrochemical characterization as membrane material. <i>Synthetic Metals</i> , 2016 , 220, 300-310	3.6	8
24	Polyaniline coated conducting fabrics. Chemical and electrochemical characterization. <i>European Polymer Journal</i> , 2011 ,	5.2	8
23	The electrocatalytic behaviour of poly(aniline-co-4adpa) thin films in weakly acidic medium. <i>Synthetic Metals</i> , 2004 , 144, 207-211	3.6	8
22	Modification of the magnesium corrosion rate in physiological saline 0.9 wt % NaCl via chemical and electrochemical coating of reduced graphene oxide. <i>Corrosion Science</i> , 2019 , 152, 75-81	6.8	7
21	Characterization of polypyrrole/phosphotungstate membranes by electrochemical impedance spectroscopy. <i>Synthetic Metals</i> , 2014 , 187, 37-45	3.6	7

20	Electrochemical and chemical characterization of polypyrrole/phosphotungstate coatings electrosynthesized on carbon steel electrodes in acetonitrile medium. <i>Synthetic Metals</i> , 2009 , 159, 1723-1730	3.6	7
19	Finding the Additives Incorporation Moment in Hybrid Natural Pigments Synthesis to Improve Bioresin Properties. <i>Coatings</i> , 2019 , 9, 34	2.9	7
18	Monitoring the polymerization process of polypyrrole films by thermogravimetric and X-ray analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 695-701	4.1	6
17	Voltammetric Behaviour of Adsorbed Residues Formed from the Adsorption of Formaldehyde and Methanol on a Pt(111) Electrode. <i>Analytical Letters</i> , 1991 , 24, 1591-1603	2.2	6
16	Study of the Reuse of Industrial Wastewater After Electrochemical Treatment of Textile Effluents without External Addition of Chloride. <i>International Journal of Electrochemical Science</i> , 1733-1750	2.2	6
15	Electrochemical Treatment of Solutions Containing a Recalcitrant Dye: A Way of Using Dimensionally Adaptable Catalytic Fabrics. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 6418-6429	3.9	5
14	Effect of chloride on the one step electrochemical treatment of an industrial textile wastewater with tin dioxide anodes. The case of trichromy procion HEXL. <i>Chemosphere</i> , 2020 , 245, 125396	8.4	5
13	The roles of the degree of substitution and the degree of polymerization on the behaviour of cellulose ethers applied as adhesives for artwork conservation. <i>Journal of Adhesion Science and Technology</i> , 2005 , 19, 95-108	2	4
12	Adsorption of acetaldehyde on Pt(100), (110) and (111) faces: A semi-empirical quantum chemical study. <i>Surface Science</i> , 1990 , 235, 307-316	1.8	4
11	Carbon textiles electrodes modified with RGO and Pt nanoparticles used for electrochemical treatment of azo dye. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 887, 115154	4.1	4
10	Modified carbon fabric electrodes: preparation and electrochemical behavior toward amaranth electrolysis. <i>Journal of Applied Electrochemistry</i> , 2015 , 45, 263-272	2.6	2
9	Thermolysis of 3-chloro-3-methyldiazirine. A semiempirical approach. <i>Computational and Theoretical Chemistry</i> , 1988 , 166, 445-448		2
8	Correlations between acoustic and electrochemical measurements for metallic corrosion on steel strings used in guitars. <i>Engineering Failure Analysis</i> , 2015 , 57, 270-281	3.2	1
7	Enhancement of the Electrochemical Properties of an Open-Pore Graphite Foam with Electrochemically Reduced Graphene Oxide and Alternating Current Dispersed Platinum Particles. <i>Coatings</i> , 2020 , 10, 551	2.9	1
6	A Note on the Reversibility of Cellulose Ethers. Detection on Artwork Surfaces Using Modified FTIR. <i>Restaurator</i> , 2007 , 28, 29-38	0	1
5	Cathodic protection of steel guitar strings against the corrosive effect of human sweat. <i>Engineering Failure Analysis</i> , 2019 , 97, 645-652	3.2	1
4	Steel Corrosion and Durability of Calcium Aluminate Cement-Reinforced Mortars. <i>Corrosion</i> , 2005 , 61, 1004-1010	1.8	0
3	On the behaviour of Atrazine removal from water using fabrics as anodes and cathodes. <i>Chemosphere</i> , 2021 , 132738	8.4	0

- 2 Electroreduction of 2-chloropropiophenone: a study of stability of cis and trans isomers of 1,5-diphenyl-2,6-dioxo[3,3,0]bicyclooctane and on the logical reaction pathway. *Computational and Theoretical Chemistry*, **1991**, 231, 169-174
- 1 Dissociative adsorption process of acetaldehyde on Pt (h,k,l) basal surfaces. *Computational and Theoretical Chemistry*, **1992**, 254, 379-386