

Nadine PÃ©bÃ©re

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3701797/publications.pdf>

Version: 2024-02-01

78
papers

5,625
citations

87723

38
h-index

76769

74
g-index

82
all docs

82
docs citations

82
times ranked

4941
citing authors

#	ARTICLE	IF	CITATIONS
1	VFT to Arrhenius crossover at the dynamic glass transition of an epoxy network as revealed by dielectric experiments in continuous immersion. <i>Polymer</i> , 2022, 241, 124542.	1.8	2
2	A new look on the corrosion mechanism of magnesium: An EIS investigation at different pH. <i>Corrosion Science</i> , 2022, 205, 110463.	3.0	22
3	Impedance analysis of the barrier effect of coil-coated materials: Water uptake and glass transition variations. <i>Progress in Organic Coatings</i> , 2021, 153, 106163.	1.9	12
4	Partially acrylated linseed oil UV-cured coating containing a dihemiacetal ester for the corrosion protection of an aluminium alloy. <i>Progress in Organic Coatings</i> , 2021, 158, 106344.	1.9	7
5	In situ study of the temperature activated kinetics of water sorption in an epoxy varnish. <i>Polymer</i> , 2021, 213, 123206.	1.8	7
6	8-Hydroxyquinoline complexes (Alq3) on Al(111): atomic scale structure, energetics and charge distribution. <i>New Journal of Chemistry</i> , 2020, 44, 15209-15222.	1.4	5
7	Hemiacetal Ester Exchanges, Study of Reaction Conditions and Mechanistic Pathway. <i>Reactions</i> , 2020, 1, 89-101.	0.9	9
8	Correlation between the physical structure of a commercially formulated epoxy paint and its electrochemical impedance response. <i>Progress in Organic Coatings</i> , 2020, 146, 105729.	1.9	7
9	Film-Forming Amines for the Corrosion Protection of Carbon Steels in Nuclear Power Plant Secondary Circuit Conditions: An Impedance Study. <i>Journal of the Electrochemical Society</i> , 2020, 167, 061504.	1.3	6
10	Corrosion rate determination of rare-earth Mg alloys in a Na2SO4 solution by electrochemical measurements and inductive coupled plasma-optical emission spectroscopy. <i>Journal of Magnesium and Alloys</i> , 2019, 7, 47-57.	5.5	49
11	New bio-based phosphorylated chitosan/alginate protective coatings on aluminum alloy obtained by the LbL technique. <i>Surfaces and Interfaces</i> , 2019, 16, 59-66.	1.5	21
12	Local Electrochemical Methods Adapted to Studying Environmentâ€™Microstructureâ€™Mechanics Couplings. , 2019, , 459-480.		1
13	Thermal activation of impedance measurements on an epoxy coating for the corrosion protection: 2. electrochemical impedance spectroscopy study. <i>Electrochimica Acta</i> , 2019, 305, 116-124.	2.6	27
14	On the corrosion mechanism of Mg investigated by electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2019, 306, 61-70.	2.6	163
15	8-hydroxyquinoline-modified clay incorporated in an epoxy coating for the corrosion protection of carbon steel. <i>Surfaces and Interfaces</i> , 2019, 14, 26-33.	1.5	44
16	Synthesis of new high molecular weight phosphorylated chitosans for improving corrosion protection. <i>Pure and Applied Chemistry</i> , 2019, 91, 509-521.	0.9	9
17	On the stability of the oxides film formed on a magnesium alloy containing rare-earth elements. <i>Electrochimica Acta</i> , 2018, 290, 586-594.	2.6	85
18	Impedance analysis of film-forming amines for the corrosion protection of a carbon steel. <i>Electrochimica Acta</i> , 2018, 283, 699-707.	2.6	62

#	ARTICLE	IF	CITATIONS
19	Corrosion protection of Al(111) by 8-hydroxyquinoline: a comprehensive DFT study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21474-21486.	1.3	10
20	Corrosion behaviour of an assembly between an AA1370 cable and a pure copper connector for car manufacturing applications. <i>Corrosion Science</i> , 2017, 119, 79-90.	3.0	11
21	Multiscale Electrochemical Study of Welded Al Alloys Joined by Friction Stir Welding. <i>Journal of the Electrochemical Society</i> , 2017, 164, C735-C746.	1.3	20
22	Determination of water uptake in organic coatings deposited on 2024 aluminium alloy: Comparison between impedance measurements and gravimetry. <i>Progress in Organic Coatings</i> , 2017, 112, 93-100.	1.9	58
23	Local Electrochemical Measurements in Bipolar Experiments for Corrosion Studies. <i>ChemElectroChem</i> , 2016, 3, 415-421.	1.7	26
24	A local electrochemical impedance study of the self-healing properties of waterborne coatings on 2024 aluminium alloy. <i>Electrochimica Acta</i> , 2016, 222, 1806-1817.	2.6	24
25	Impedance study of the influence of chromates on the properties of waterborne coatings deposited on 2024 aluminium alloy. <i>Corrosion Science</i> , 2016, 109, 174-181.	3.0	41
26	Improvement of adherence and anticorrosion properties of an epoxy-polyamide coating on steel by incorporation of an indole-3 butyric acid-modified nanomagnetite. <i>Journal of Coatings Technology Research</i> , 2016, 13, 489-499.	1.2	11
27	Identification of Resistivity Distributions in Dielectric Layers by Measurement Model Analysis of Impedance Spectroscopy. <i>Electrochimica Acta</i> , 2016, 219, 312-320.	2.6	38
28	Electrochemical investigations on crevice corrosion of a martensitic stainless steel in a thin-layer cell. <i>Journal of Electroanalytical Chemistry</i> , 2015, 737, 198-205.	1.9	22
29	Impedance analysis of the distributed resistivity of coatings in dry and wet conditions. <i>Electrochimica Acta</i> , 2015, 179, 452-459.	2.6	39
30	DFT studies of the bonding mechanism of 8-hydroxyquinoline and derivatives on the (111) aluminum surface. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22243-22258.	1.3	36
31	CO ₂ corrosion resistance of carbon steel in relation with microstructure changes. <i>Materials Chemistry and Physics</i> , 2015, 156, 198-205.	2.0	58
32	Synergistic effect between 8-hydroxyquinoline and benzotriazole for the corrosion protection of 2024 aluminium alloy: A local electrochemical impedance approach. <i>Corrosion Science</i> , 2015, 101, 66-74.	3.0	88
33	Corrosion protection of 304L stainless steel by chemical vapor deposited alumina coatings. <i>Corrosion Science</i> , 2014, 81, 125-131.	3.0	83
34	Determination of resistivity profiles in anti-corrosion coatings from constant-phase-element parameters. <i>Progress in Organic Coatings</i> , 2014, 77, 2076-2083.	1.9	46
35	Direct-to-metal UV-cured hybrid coating for the corrosion protection of aircraft aluminium alloy. <i>Corrosion Science</i> , 2014, 89, 242-249.	3.0	24
36	Improvement of corrosion protection of steel by incorporation of a new phosphonated fatty acid in a phosphorus-containing polymer coating obtained by UV curing. <i>Progress in Organic Coatings</i> , 2014, 77, 285-291.	1.9	33

#	ARTICLE	IF	CITATIONS
37	Electrochemical characterisation of a martensitic stainless steel in a neutral chloride solution. <i>Electrochimica Acta</i> , 2013, 87, 32-40.	2.6	140
38	Constant-phase-element behavior caused by inhomogeneous water uptake in anti-corrosion coatings. <i>Electrochimica Acta</i> , 2013, 87, 693-700.	2.6	131
39	Dielectric Properties of Materials Showing Constant-Phase-Element (CPE) Impedance Response. <i>Journal of the Electrochemical Society</i> , 2013, 160, C215-C225.	1.3	370
40	Adherence Measurements and Corrosion Resistance in Primer/Hot-Dip Galvanized Steel Systems. <i>Journal of Adhesion</i> , 2013, 89, 339-357.	1.8	6
41	Improvement of barrier properties of a hybrid sol-gel coating by incorporation of synthetic talc-like phyllosilicates for corrosion protection of a carbon steel. <i>Surface and Coatings Technology</i> , 2012, 206, 2884-2891.	2.2	33
42	Layered double hydroxides as containers of inhibitors in organic coatings for corrosion protection of carbon steel. <i>Progress in Organic Coatings</i> , 2012, 74, 343-348.	1.9	137
43	Local electrochemical impedance spectroscopy: A review and some recent developments. <i>Electrochimica Acta</i> , 2011, 56, 8048-8048.	2.6	129
44	Amorphous Alumina Coatings: Processing, Structure and Remarkable Barrier Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8387-8391.	0.9	18
45	Corrosion protection mechanisms of carbon steel by an epoxy resin containing indole-3 butyric acid modified clay. <i>Progress in Organic Coatings</i> , 2010, 69, 410-416.	1.9	69
46	Corrosion inhibition of 2024 aluminium alloy by sodium decanoate. <i>Electrochimica Acta</i> , 2010, 55, 6182-6189.	2.6	42
47	Galvanic coupling between copper and aluminium in a thin-layer cell. <i>Corrosion Science</i> , 2010, 52, 991-995.	3.0	38
48	Functionalization of synthetic talc-like phyllosilicates by alkoxyorganosilane grafting. <i>Journal of Materials Chemistry</i> , 2010, 20, 9695.	6.7	59
49	Corrosion protection of AA2024 sealed anodic layers using the hydrophobic properties of carboxylic acids. <i>Surface and Coatings Technology</i> , 2009, 203, 3420-3426.	2.2	76
50	Comparison of local electrochemical impedance measurements derived from bi-electrode and microcapillary techniques. <i>Electrochimica Acta</i> , 2009, 54, 5775-5781.	2.6	40
51	Local and global electrochemical impedances applied to the corrosion behaviour of an AZ91 magnesium alloy. <i>Corrosion Science</i> , 2009, 51, 1789-1794.	3.0	152
52	Incorporation of an indole-3 butyric acid modified clay in epoxy resin for corrosion protection of carbon steel. <i>Surface and Coatings Technology</i> , 2008, 202, 4945-4951.	2.2	51
53	Local electrochemical impedance spectroscopy: Considerations about the cell geometry. <i>Electrochimica Acta</i> , 2008, 53, 7386-7395.	2.6	58
54	Determination of the sensitized zone extension in welded AISI 304 stainless steel using non-destructive electrochemical techniques. <i>Corrosion Science</i> , 2008, 50, 1149-1155.	3.0	53

#	ARTICLE	IF	CITATIONS
55	Variation of carbon steel corrosion rate with flow conditions in the presence of an inhibitive formulation. <i>Corrosion Science</i> , 2008, 50, 1245-1250.	3.0	36
56	Local Electrochemical Impedance Spectroscopy: Theoretical and Experimental Considerations on Measurable Quantities. <i>ECS Meeting Abstracts</i> , 2007, , .	0.0	0
57	Corrosion protection of carbon steel by an epoxy resin containing organically modified clay. <i>Surface and Coatings Technology</i> , 2007, 201, 7408-7415.	2.2	136
58	An electrochemical and surface analytical study of the formation of nanoporous oxides on niobium. <i>Electrochimica Acta</i> , 2007, 52, 7724-7731.	2.6	23
59	Delaminated areas beneath organic coating: A local electrochemical impedance approach. <i>Corrosion Science</i> , 2006, 48, 1779-1790.	3.0	126
60	The Apparent CPE Behavior of a Disk Electrode with Faradaic Reactions. <i>ECS Meeting Abstracts</i> , 2006, , .	0.0	2
61	Corrosion behaviour of brazing material AA4343. <i>Electrochimica Acta</i> , 2006, 52, 1092-1100.	2.6	38
62	CPE analysis by local electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2006, 51, 1473-1479.	2.6	1,294
63	The Apparent CPE Behavior of a Disk Electrode with Faradaic Reactions: A Global and Local Impedance Analysis. <i>ECS Transactions</i> , 2006, 3, 567-585.	0.3	3
64	Influence of flow on the corrosion inhibition of carbon steel by fatty amines in association with phosphonocarboxylic acid salts. <i>Corrosion Science</i> , 2005, 47, 593-604.	3.0	84
65	Evaluation of corrosion performance of a UV-cured polyurethane coating in the presence of organic phosphorous compounds. <i>Progress in Organic Coatings</i> , 2004, 49, 130-136.	1.9	9
66	The Synergistic Effect Between Phosphonocarboxylic Acid Salts and Fatty Amines for the Corrosion Protection of a Carbon Steel. <i>Journal of Applied Electrochemistry</i> , 2004, 34, 487-493.	1.5	45
67	Characterisation of water-based coatings by electrochemical impedance spectroscopy. <i>Progress in Organic Coatings</i> , 2003, 46, 77-83.	1.9	32
68	Study of the synergistic effect observed for the corrosion protection of a carbon steel by an association of phosphates. <i>Corrosion Science</i> , 2002, 44, 2055-2071.	3.0	35
69	Characterisation of sealed anodic films on 7050 T74 and 2214 T6 aluminium alloys. <i>Surface and Coatings Technology</i> , 2002, 154, 94-103.	2.2	76
70	Quantitative characterization of protective films grown on copper in the presence of different triazole derivative inhibitors. <i>Electrochimica Acta</i> , 2002, 47, 4339-4346.	2.6	79
71	An investigation on the corrosion of brass-coated steel cords for tyres by electrochemical techniques. <i>Corrosion Science</i> , 2001, 43, 413-427.	3.0	20
72	The corrosion of pure magnesium in aerated and deaerated sodium sulphate solutions. <i>Corrosion Science</i> , 2001, 43, 471-484.	3.0	413

#	ARTICLE	IF	CITATIONS
73	Studies of the electro-oxidation of carbazole layer in protic acid media with a view to developing light-emitting diodes. <i>Polymer International</i> , 2001, 50, 84-88.	1.6	4
74	Structure of waterborne coatings by electrochemical impedance spectroscopy and a thermostimulated current method: influence of fillers. <i>Progress in Organic Coatings</i> , 2000, 39, 167-175.	1.9	48
75	Study of the electrochemical behaviour of the 7075 aluminum alloy in the presence of sodium oxalate. <i>Corrosion Science</i> , 1999, 41, 941-957.	3.0	24
76	High-Rate Copper Dissolution in Hydrochloric Acid Solution. <i>Journal of the Electrochemical Society</i> , 1996, 143, 961-967.	1.3	56
77	Investigation of magnesium corrosion in aerated sodium sulfate solution by electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 1990, 35, 555-561.	2.6	229
78	Mechanical and Surface Properties of Chemical Vapor Deposited Protective Aluminium Oxide Films on TA6V Alloy. <i>Advances in Science and Technology</i> , 0, , .	0.2	4