

# Lfp Dick

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,471  
citations

430754

18  
h-index

265120

42  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2515  
citing authors

#	ARTICLE	IF	CITATIONS
1	Active protection coatings with layered double hydroxide nanocontainers of corrosion inhibitor. <i>Corrosion Science</i> , 2010, 52, 602-611.	3.0	456
2	Initiation and Growth of Self-Organized TiO <sub>2</sub> Nanotubes Anodically Formed in NH <sub>4</sub> F·(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> Electrolytes. <i>Journal of the Electrochemical Society</i> , 2005, 152, B405.	1.3	284
3	Novel Inorganic Host Layered Double Hydroxides Intercalated with Guest Organic Inhibitors for Anticorrosion Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2353-2362.	4.0	277
4	Novel hybrid sol-gel coatings for corrosion protection of AZ31B magnesium alloy. <i>Electrochimica Acta</i> , 2008, 53, 4773-4783.	2.6	253
5	N-Doping of anodic TiO <sub>2</sub> nanotubes using heat treatment in ammonia. <i>Electrochemistry Communications</i> , 2006, 8, 544-548.	2.3	244
6	Influence of incorporated Mo and Nb on the Mott-Schottky behaviour of anodic films formed on AISI 304L. <i>Corrosion Science</i> , 2010, 52, 2813-2818.	3.0	156
7	Inhibitor-doped sol-gel coatings for corrosion protection of magnesium alloy AZ31. <i>Surface and Coatings Technology</i> , 2010, 204, 1479-1486.	2.2	155
8	The negative difference effect of magnesium and of the AZ91 alloy in chloride and stannate-containing solutions. <i>Corrosion Science</i> , 2010, 52, 2235-2243.	3.0	85
9	Voltage Oscillations and Morphology during the Galvanostatic Formation of Self-Organized TiO <sub>2</sub> Nanotubes. <i>Journal of the Electrochemical Society</i> , 2006, 153, B137.	1.3	82
10	Influence of the microstructure and laser shock processing (LSP) on the corrosion behaviour of the AA2050-T8 aluminium alloy. <i>Corrosion Science</i> , 2011, 53, 3215-3221.	3.0	56
11	Corrosion study of the friction stir lap joint of AA7050-T76511 on AA2024-T3 using the scanning vibrating electrode technique. <i>Corrosion Science</i> , 2015, 94, 359-367.	3.0	53
12	Localized corrosion evaluation of the ASTM F139 stainless steel marked by laser using scanning vibrating electrode technique, X-ray photoelectron spectroscopy and Mott-Schottky techniques. <i>Electrochimica Acta</i> , 2014, 124, 150-155.	2.6	36
13	Sulfidated TiO <sub>2</sub> nanotubes: A potential 3D cathode material for Li-ion micro batteries. <i>Chemical Communications</i> , 2013, 49, 4205-4207.	2.2	33
14	Comparative study of the corrosion behavior of galvanized, galvanized and Zn55Al coated interstitial free steels. <i>Surface and Coatings Technology</i> , 2015, 279, 150-160.	2.2	31
15	Performance of a PEMFC system integrated with a biogas chemical looping reforming processor: A theoretical analysis and comparison with other fuel processors (steam reforming, partial oxidation) $T_j \text{ ETQq1 } 1 \text{ 0.784814 rgBTg}$ Overlaid		
16	Anodising and corrosion resistance of AA 7050 friction stir welds. <i>Corrosion Science</i> , 2017, 114, 28-36.	3.0	25
17	Preparation and electrochemical characterization of amoxicillin-doped cellulose acetate films for AA2024-T3 aluminum alloy coatings. <i>Corrosion Science</i> , 2011, 53, 1571-1580.	3.0	24
18	The influence of surface treatments in hot acid solutions on the corrosion resistance and oxide structure of stainless steels. <i>Corrosion Science</i> , 2005, 47, 757-769.	3.0	23

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19	The effect of different carboxylic acids on the sulfuric acid anodizing of AA2024. Surface and Coatings Technology, 2020, 383, 125283.	2.2	19
20	Coloring ferritic stainless steel by an electrochemical“photochemical process under visible light illumination. Surface and Coatings Technology, 2014, 245, 125-132.	2.2	16
21	Localized corrosion of laser marked M340 martensitic stainless steel for biomedical applications studied by the scanning vibrating electrode technique under polarization. Electrochimica Acta, 2016, 200, 189-196.	2.6	14
22	Influence of Humic Substances on the Corrosion of the API 5LX65 Steel. Corrosion, 2006, 62, 35-43.	0.5	13
23	Corrosion behaviour of galvanized steel studied by electrochemical microprobes applied on low-angle cross sections. Corrosion Science, 2018, 140, 379-387.	3.0	12
24	Aluminum anodizing with simultaneous silanization for increased hydrophobicity and corrosion protection. Applied Surface Science, 2022, 593, 153392.	3.1	12
25	DETERMINATION OF CURRENT MAPS BY SVET OF HOT-DIP GALVANIZED STEEL UNDER SIMULTANEOUS STRAINING. Electrochimica Acta, 2015, 168, 89-96.	2.6	10
26	Humic acid: A new corrosion inhibitor of zinc in chlorides. Electrochimica Acta, 2021, 397, 139225.	2.6	10
27	Title is missing!. Journal of Applied Electrochemistry, 2002, 32, 883-889.	1.5	8
28	Microcharacterization of Colored Films Formed on AISI 304 by Different Electrochemical Methods. Journal of the Electrochemical Society, 2006, 153, B411.	1.3	8
29	Electrochemically induced self-assembly of alkanethiolate adlayers on carbon steel in aqueous solutions. Electrochimica Acta, 2009, 54, 4817-4821.	2.6	6
30	The Influence of Inclusions and Naphthenic Acids on the Corrosion of Pipeline Steels. ECS Transactions, 2007, 3, 173-179.	0.3	5
31	EIS Study of Soil Corrosivity. ECS Transactions, 2008, 11, 35-40.	0.3	5
32	Soil corrosion of the AISI1020 steel buried near electrical power transmission line towers. Materials Research, 2014, 17, 1637-1643.	0.6	4
33	Anomalous currents determined by SVET due to composition gradients on corroding Zn surfaces in 0.1 M NaCl. Journal of Solid State Electrochemistry, 2020, 24, 1889-1898.	1.2	4
34	Metallurgical and Electrochemical characterization of a Supermartensitic Steel. Materials Research, 2020, 23, .	0.6	4
35	Selective Dissolution of Ni from Nitinol for Increasing the Biocompatibility. ECS Transactions, 2007, 11, 29-38.	0.3	3
36	A Comparative Study of the Mott-Schottky Behavior of Oxide Films on Stainless Steels in Ionic Liquids and in Aqueous Solutions. ECS Transactions, 2009, 25, 31-36.	0.3	3

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37	Study of the Corrosion of Buried Steel Grids of Electrical Power Transmission Towers. ECS Transactions, 2012, 43, 23-27.	0.3	3
38	Direct Li+ incorporation during the anodic formation of compact TiO2 layers. Chemical Communications, 2018, 54, 3251-3254.	2.2	3
39	SVET Study of the Descaling of Thermal Scales Formed on AISI 1095 and AISI 52100 Steels. ECS Transactions, 2009, 25, 47-54.	0.3	2
40	ESTUDO COMPARATIVO DA RESISTÊNCIA À CORROSÃO DE AÇOS REVESTIDOS PELOS PROCESSOS DE GALVANIZAÇÃO A FOGO, GALVANNEALING E GALVALUMÉ. Tecnologia Em Metalurgia, Materiais E Mineracao, 2013, 10, 280-286.	0.1	2
41	AFM Study of the Corrosion of Pipeline Steel in Organic Compounds Extracted from Soil. ECS Transactions, 2007, 11, 107-119.	0.3	1
42	Electrochemical Properties of Passive Film Formed on Supermartensitic Stainless Steel in a Chloride Medium. Corrosion, 2020, 76, 884-890.	0.5	1
43	Analysis of anodic nanotubular oxide on homogeneous Ti-Si alloys for Li-ion battery anodes. Journal of Alloys and Compounds, 2021, 888, 161659.	2.8	1
44	Influence of Humic Substances on the Corrosion of the API 5LX65 Steel. , 2002, , .		1
45	Evaluation of Electrochemical Surface Treatments of Ti by using Mesenchymal Stem Cells Culture. ECS Transactions, 2006, 3, 9-16.	0.3	0
46	Area Effects on the Mott-Schottky Behavior of Anodic Films Formed on AISI 304 Stainless Steel. ECS Transactions, 2010, 25, 17-22.	0.3	0
47	Electrochemical Behavior in Na2SO4 of Nanoporous Oxide Films Previously Formed on AISI 304 by Electrocoloring. ECS Transactions, 2012, 43, 243-248.	0.3	0
48	DESENVOLVIMENTO DE METODOLOGIA PARA AVALIAÇÃO DE AÇOS ESFEROIDIZADOS. PARTE 1: DETERMINAÇÃO DO GRAU DE DESCARBONETAÇÃO. Tecnologia Em Metalurgia E Materiais, 2010, 6, 153-157.	0.1	0
49	DESENVOLVIMENTO DE METODOLOGIA PARA AVALIAÇÃO DE AÇOS ESFEROIDIZADOS. PARTE 2: DETERMINAÇÃO DO GRAU DE ESFEROIDIZAÇÃO. Tecnologia Em Metalurgia E Materiais, 2010, 6, 158-161.	0.1	0
50	CARACTERIZAÇÃO E PROCESSAMENTO DE CAREPAS DE DECAPAGEM MECÂNICA DE AÇOS CARBONO PARA APROVEITAMENTO COMO PIGMENTOS EM TINTAS. Tecnologia Em Metalurgia, Materiais E Mineracao, 2014, 11, 210-215.	0.1	0