

Lucien Veleva

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Comparative cyclic voltammetry and surface analysis of passive films grown on stainless steel 316 in concrete pore model solutions. <i>Journal of Electroanalytical Chemistry</i> , 2002, 537, 85-93.	3.8	94
2	Degradation of AZ31 and AZ91 magnesium alloys in different physiological media: Effect of surface layer stability on electrochemical behaviour. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 667-675.	11.9	49
3	Voltammetry and surface analysis of AISI 316 stainless steel in chloride-containing simulated concrete pore environment. <i>Journal of Electroanalytical Chemistry</i> , 2005, 578, 45-53.	3.8	45
4	Multi-Scale Monitoring the First Stages of Electrochemical Behavior of AZ31B Magnesium Alloy in Simulated Body Fluid. <i>Journal of the Electrochemical Society</i> , 2018, 165, C749-C755.	2.9	21
5	Oscillations and spatio-temporal structures during electrodeposition of AgCd alloys. <i>Electrochimica Acta</i> , 2012, 79, 162-169.	5.2	19
6	Contrasting initial events of localized corrosion on surfaces of 2219-T42 and 6061-T6 aluminum alloys exposed in Caribbean seawater. <i>Transactions of Nonferrous Metals Society of China</i> , 2019, 29, 34-42.	4.2	19
7	SECM study of the pH distribution over Cu samples treated with 2-mercaptobenzothiazole in NaCl solution. <i>Electrochemistry Communications</i> , 2017, 78, 60-63.	4.7	15
8	Zinc precipitation runoff from galvanised steel in humid tropical climate. <i>Corrosion Engineering Science and Technology</i> , 2010, 45, 76-83.	1.4	13
9	Initial Stages of AZ31B Magnesium Alloy Degradation in Ringer's Solution: Interpretation of EIS, Mass Loss, Hydrogen Evolution Data and Scanning Electron Microscopy Observations. <i>Metals</i> , 2018, 8, 933.	2.3	13
10	Effect of Temperature on the Corrosion Behavior of Biodegradable AZ31B Magnesium Alloy in Ringer's Physiological Solution. <i>Metals</i> , 2019, 9, 591.	2.3	10
11	Copper Corrosion Behavior in Simulated Concrete-Pore Solutions. <i>Metals</i> , 2020, 10, 474.	2.3	9
12	Development and assessment of a multifunctional chitosan-based coating applied on AZ31 magnesium alloy: Corrosion resistance and antibacterial performance against <i>Klebsiella Pneumoniae</i> . <i>Journal of Magnesium and Alloys</i> , 2021, 9, 2133-2144.	11.9	8
13	Mapping the initial corrosion activity of aluminium alloy 2024-T3 in diluted substitute ocean water by localized electrochemical impedance spectroscopy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018, 69, 1368-1374.	1.5	7
14	Potentiostatic current and galvanostatic potential oscillations during electrodeposition of cadmium. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22266-22271.	2.8	6
15	Effect of Laminar Flow on the Corrosion Activity of AA6061-T6 in Seawater. <i>Metals</i> , 2020, 10, 175.	2.3	6
16	Corrosion Activity of Carbon Steel B450C and Low Chromium Ferritic Stainless Steel 430 in Cement Extract Solution. <i>Buildings</i> , 2021, 11, 220.	3.1	5
17	Direct measurement of the adsorption kinetics of 2-Mercaptobenzothiazole on a microcrystalline copper surface. <i>Revista De Metalurgia</i> , 2016, 52, e064.	0.5	4
18	Corrosion Behavior of Extruded AM60-AlN Metal Matrix Nanocomposite and AM60 Alloy Exposed to Simulated Acid Rain Environment. <i>Metals</i> , 2021, 11, 990.	2.3	3

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19	Mg-Ca0.3 Electrochemical Activity Exposed to Hank's Physiological Solution and Properties of Ag-Nano-Particles Deposits. <i>Metals</i> , 2021, 11, 1357.	2.3	3
20	Corrosion Activity of Carbon Steel B450C and Low Chromium Ferritic Stainless Steel 430 in Chloride-Containing Cement Extract Solution. <i>Metals</i> , 2022, 12, 150.	2.3	3
21	Adsorption Kinetics of Benzothiazole and 2-Mercaptobenzothiazole on Microcrystalline Gold and Silver Surfaces. <i>Solid State Phenomena</i> , 0, 227, 99-102.	0.3	2
22	Investigating metal-ion inhibitor interaction with EQCM and SVET: 3-amino-1,2,4-triazole on Au, Cu and Au-Cu galvanic coupling. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018, 69, 115-124.	1.5	2
23	LEIS y SKP mapas de las etapas iniciales de corrosi3n localizada de AA6061-T6 en un sustituto de agua de mar diluido. <i>Revista De Metalurgia</i> , 2018, 54, 134.	0.5	2
24	Efecto de las nanopartculas de ZrO ₂ y L-Cys como agentes dopantes de recubrimientos sol-gel de sílice mesoporosa para la protecci3n anticorrosiva de la aleaci3n de magnesio AZ61. <i>Revista De Metalurgia</i> , 2019, 55, 155.	0.5	2
25	2D-DFA as a tool for non-destructive characterisation of copper surface exposed to substitute ocean water. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 586, 126490.	2.6	2
26	Evaluaci3n electroqu3mica de la degradaci3n de la aleaci3n de Mg-Zn-Ca en la soluci3n fisiol3gica de Hanks. <i>Revista De Metalurgia</i> , 2020, 56, e181.	0.5	1
27	Effect of Laminar Flow on the Corrosion Activity of AA6061-T6 in Seawater. , 0, .		0
28	The Electrochemical Activity of Mg and Mg-Ca0.3 in Hank's Physiological Solution. <i>ECS Transactions</i> , 2021, 101, 69-86.	0.5	0
29	Electrochemical Noise Analysis of Aluminum Alloy 6061-T6 in Laminar Flow of Seawater. <i>ECS Meeting Abstracts</i> , 2019, .	0.0	0
30	Análisis del proceso de degradaci3n y comportamiento electroqu3mico de la aleaci3n de magnesio AZ31 en saliva artificial. <i>Revista De Metalurgia</i> , 2020, 56, 166.	0.5	0