

Martín A Rodríguez

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Crevice corrosion kinetics of nickel alloys bearing chromium and molybdenum. <i>Electrochimica Acta</i> , 2012, 76, 94-101.	5.2	67
2	Properties of the Passive Film on Alloy 22 in Chloride Solutions Obtained by Electrochemical Impedance. <i>Journal of the Electrochemical Society</i> , 2011, 158, C221-C230.	2.9	59
3	Determination of the Crevice Corrosion Stabilization and Repassivation Potentials of a Corrosion-Resistant Alloy. <i>Corrosion</i> , 2010, 66, 105002-105002-12.	1.1	42
4	Effect of Fluoride Ions on Crevice Corrosion and Passive Behavior of Alloy 22 in Hot Chloride Solutions. <i>Corrosion</i> , 2007, 63, 480-490.	1.1	38
5	Oxyanions as inhibitors of chloride-induced crevice corrosion of Alloy 22. <i>Corrosion Science</i> , 2013, 68, 72-83.	6.6	33
6	Crevice corrosion of nickel-based alloys considered as engineering barriers of geological repositories. <i>Npj Materials Degradation</i> , 2017, 1, .	5.8	31
7	Passivation and Depassivation of Alloy 22 in Acidic Chloride Solutions. <i>Journal of the Electrochemical Society</i> , 2010, 157, C1.	2.9	30
8	Crevice corrosion testing methods for measuring repassivation potential of alloy 22. <i>Corrosion Engineering Science and Technology</i> , 2011, 46, 129-133.	1.4	28
9	Effect of Potential on Crevice Corrosion Kinetics of Alloy 22. <i>Corrosion</i> , 2010, 66, 015007-015007-14.	1.1	27
10	Influence of halide ions and alloy microstructure on the passive and localized corrosion behavior of alloy 22. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2005, 36, 1179-1185.	2.2	22
11	The self-sustaining propagation of crevice corrosion on the hybrid BC1 Ni-Cr-Mo alloy in hot saline solutions. <i>Corrosion Science</i> , 2016, 105, 58-67.	6.6	21
12	Inhibition of localized corrosion in chromium containing stainless alloys. <i>Corrosion Reviews</i> , 2012, 30, .	2.0	15
13	Effect of Crevice Corrosion Inhibitors on the Passivity of Alloy 22. <i>Journal of the Electrochemical Society</i> , 2012, 159, C469-C475.	2.9	13
14	Comparative Study of the Crevice Corrosion Resistance of UNS S30400 and UNS S31600 Stainless Steels in the Context of Galvele's Model. <i>Corrosion</i> , 2017, 73, 41-52.	1.1	13
15	Anticipated Degradation Modes of Metallic Engineered Barriers for High-Level Nuclear Waste Repositories. <i>Jom</i> , 2014, 66, 503-525.	1.9	11
16	Corrosion control of nuclear steam generators under normal operation and plant-outage conditions: a review. <i>Corrosion Reviews</i> , 2020, 38, 195-230.	2.0	10
17	Pitting corrosion of Ni-Cr-Fe alloys at open circuit potential in chloride plus thiosulfate solutions. <i>Corrosion Science</i> , 2022, 198, 110121.	6.6	10
18	Determining the Effect of the Main Alloying Elements on Localized Corrosion in Nickel Alloys Using Artificial Neural Networks. , 2015, 8, 21-28.		9

#	ARTICLE	IF	CITATIONS
19	Corrosion of High Purity Copper in Solutions Containing NaCl, Na ₂ SO ₄ and NaHCO ₃ at Different Temperatures. , 2015, 9, 460-468.		8
20	Effect of Thiosulfate on Pitting Corrosion of Ni-Cr-Fe Alloys in Chloride Solutions. Corrosion, 2018, 74, 1214-1228.	1.1	8
21	Crevice Corrosion Repassivation of Ni-Cr-Mo Alloys by Cooling. Corrosion, 2019, 75, 604-615.	1.1	7
22	Effect of Environmental Variables on Crevice Corrosion Susceptibility of Ni-Cr-Mo Alloys for Nuclear Repositories. , 2015, 8, 11-20.		6
23	Optimization of the Double Loop Electrochemical Potentiokinetic Reactivation Method for Detecting Sensitization of Nickel Alloy 690. Corrosion, 2018, 74, 210-224.	1.1	6
24	Effect of Weak Acid Additions on the General and Localized Corrosion Susceptibility of Alloy 22 in Chloride Solutions. Materials Research Society Symposia Proceedings, 2008, 1107, 1.	0.1	4
25	Oxide Film Aging on Alloy 22 in Halide Containing Solutions. Materials Research Society Symposia Proceedings, 2006, 985, 1.	0.1	3
26	Effect of Alloy Composition on the Localized Corrosion Resistance of Nickel Alloys. Materials Research Society Symposia Proceedings, 2012, 1475, 489.	0.1	3
27	Effect of temperature on the crevice corrosion resistance of Ni-Cr-Mo alloys as engineered barriers in nuclear waste repositories. Materials Research Society Symposia Proceedings, 2012, 1475, 477.	0.1	3
28	Efficiency of inhibitors for chloride-induced crevice corrosion of Alloy 22. Materials Research Society Symposia Proceedings, 2012, 1475, 495.	0.1	1
29	Low Potential Pitting Corrosion of Ni-Cr-Fe Alloys in Chloride Plus Thiosulfate Solutions: Determination of Potential and Concentration Boundaries. Corrosion, 2020, 76, 786-795.	1.1	1
30	Determination of Crevice Corrosion Susceptibility of Alloy 22 Using Different Electrochemical Techniques. Materials Research Society Symposia Proceedings, 2010, 1265, 1.	0.1	0
31	Effect of Fluoride Ions on Passivity and Chloride-Induced Crevice Corrosion of Alloy 22. , 2008, , .		0