

Michael F Hurley

List of Publications by Year in descending order

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papers

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24
times ranked

221
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#	ARTICLE	IF	CITATIONS
1	A closed-host bi-layer dense/porous solid electrolyte interphase for enhanced lithium-metal anode stability. <i>Materials Today</i> , 2021, 49, 48-58.	14.2	22
2	First-principles surface interaction studies of aluminum-copper and aluminum-copper-magnesium secondary phases in aluminum alloys. <i>Applied Surface Science</i> , 2018, 439, 910-918.	6.1	20
3	Toward Improving Ambient Volta Potential Measurements with SKPFM for Corrosion Studies. <i>Journal of the Electrochemical Society</i> , 2019, 166, C3018-C3027.	2.9	19
4	Transgranular stress corrosion cracking of 304L stainless steel pipe clamps in direct use geothermal water heating applications. <i>Engineering Failure Analysis</i> , 2013, 33, 336-346.	4.0	16
5	Microgalvanic Corrosion Behavior of Cu-Ag Active Braze Alloys Investigated with SKPFM. <i>Metals</i> , 2016, 6, 91.	2.3	14
6	Characterization of zirconium oxides part II: New insights on the growth of zirconia revealed through complementary high-resolution mapping techniques. <i>Corrosion Science</i> , 2020, 167, 108491.	6.6	12
7	Corrosion Initiation and Propagation on Carburized Martensitic Stainless Steel Surfaces Studied via Advanced Scanning Probe Microscopy. <i>Materials</i> , 2019, 12, 940.	2.9	11
8	In situ characterization of the nitridation of dysprosium during mechanochemical processing. <i>Journal of Alloys and Compounds</i> , 2015, 619, 253-261.	5.5	10
9	Characterization of zirconium oxides part I: Raman mapping and spectral feature analysis. <i>Nuclear Materials and Energy</i> , 2019, 21, 100707.	1.3	8
10	Phase Separation in Ti-6Al-4V Alloys with Boron Additions for Biomedical Applications: Scanning Kelvin Probe Force Microscopy Investigation of Microgalvanic Couples and Corrosion Initiation. <i>Jom</i> , 2017, 69, 1446-1454.	1.9	7
11	Accelerated Testing to Investigate Corrosion Mechanisms of Carburized and Carbonitrided Martensitic Stainless Steel for Aerospace Bearings in Harsh Environments. <i>Tribology Transactions</i> , 2020, 63, 265-279.	2.0	7
12	Impact of grain orientation and phase on Volta potential differences in an additively manufactured titanium alloy. <i>AIP Advances</i> , 2021, 11, .	1.3	6
13	Compatibility of ZrN and HfN with molten LiCl-KCl-NaCl-UCl ₃ . <i>Journal of Nuclear Materials</i> , 2010, 405, 266-273.	2.7	5
14	Lateral and radial corrosion propagation behavior of 9% Cr and 18% Cr+2.8% Mo stainless steel reinforcing materials in simulated concrete environments. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013, 64, 752-763.	1.5	5
15	Understanding the Effect of Grain Boundary Character on Dynamic Recrystallization in Stainless Steel 316L. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 3831-3842.	2.2	5
16	Electrochemical Corrosion Test Methods for Rapid Assessment of Aerospace Bearing Steel Performance. , 2017, , 466-486.		4
17	Simulation of the Relaxation Potential Profile of an ac-dc-ac Test. <i>International Journal of Corrosion</i> , 2014, 2014, 1-12.	1.1	3
18	Kinetics of the nitridation of dysprosium during mechanochemical processing. <i>Journal of Alloys and Compounds</i> , 2015, 620, 413-420.	5.5	2

#	ARTICLE	IF	CITATIONS
19	Improving the Relative Calculations of Volta Potential Differences Acquired from Scanning Kelvin Probe Force Microscopy (SKPFM) from Comparing an Inert Material to First-Principle Calculations. ECS Transactions, 2018, 85, 701-713.	0.5	2
20	Utilization of AFM for Observing Early-Onset Mechanisms of Lithium-Metal. ECS Meeting Abstracts, 2021, MA2021-01, 47-47.	0.0	0
21	Mathematical Modeling of Inhibitor Transport in an Organic Coating. ECS Meeting Abstracts, 2014, , .	0.0	0
22	Improving the Relative Calculations of Volta Potential Differences Acquired from Scanning Kelvin Probe Force Microscopy (SKPFM) By Comparing Inert Standards to First-Principle Calculations. ECS Meeting Abstracts, 2018, , .	0.0	0
23	A Bi-Layer Dense/Porous Solid Electrolyte Interphase for Enhanced Lithium-Metal Stability. ECS Meeting Abstracts, 2021, MA2021-02, 141-141.	0.0	0
24	Effect of Artificial SEI Content on Lithium Metal Anode Morphology and Performance. ECS Meeting Abstracts, 2020, MA2020-02, 151-151.	0.0	0