Michael F Hurley

List of Publications by Year
in descending order

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24	178	1163117 8	1125743 13
papers	citations	h-index	g-index

24	24	24	221
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of grain orientation and phase on Volta potential differences in an additively manufactured titanium alloy. AIP Advances, 2021, 11, .	1.3	6
2	A closed-host bi-layer dense/porous solid electrolyte interphase for enhanced lithium-metal anode stability. Materials Today, 2021, 49, 48-58.	14.2	22
3	Utilization of AFM for Observing Early-Onset Mechanisms of Lithium-Metal. ECS Meeting Abstracts, 2021, MA2021-01, 47-47.	0.0	0
4	A Bi-Layer Dense/Porous Solid Electrolyte Interphase for Enhanced Lithium-Metal Stability. ECS Meeting Abstracts, 2021, MA2021-02, 141-141.	0.0	0
5	Accelerated Testing to Investigate Corrosion Mechanisms of Carburized and Carbonitrided Martensitic Stainless Steel for Aerospace Bearings in Harsh Environments. Tribology Transactions, 2020, 63, 265-279.	2.0	7
6	Characterization of zirconium oxides part II: New insights on the growth of zirconia revealed through complementary high-resolution mapping techniques. Corrosion Science, 2020, 167, 108491.	6.6	12
7	Effect of Artificial SEI Content on Lithium Metal Anode Morphology and Performance. ECS Meeting Abstracts, 2020, MA2020-02, 151-151.	0.0	0
8	Characterization of zirconium oxides part I: Raman mapping and spectral feature analysis. Nuclear Materials and Energy, 2019, 21, 100707.	1.3	8
9	Toward Improving Ambient Volta Potential Measurements with SKPFM for Corrosion Studies. Journal of the Electrochemical Society, 2019, 166, C3018-C3027.	2.9	19
10	Corrosion Initiation and Propagation on Carburized Martensitic Stainless Steel Surfaces Studied via Advanced Scanning Probe Microscopy. Materials, 2019, 12, 940.	2.9	11
11	First-principles surface interaction studies of aluminum-copper and aluminum-copper-magnesium secondary phases in aluminum alloys. Applied Surface Science, 2018, 439, 910-918.	6.1	20
12	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
13	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
14	Understanding the Effect of Grain Boundary Character on Dynamic Recrystallization in Stainless Steel 316L. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 3831-3842.	2.2	5
15	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. Jom, 2017, 69, 1446-1454.	1.9	7
16	Electrochemical Corrosion Test Methods for Rapid Assessment of Aerospace Bearing Steel Performance. , 2017, , 466-486.		4
17	Microgalvanic Corrosion Behavior of Cu-Ag Active Braze Alloys Investigated with SKPFM. Metals, 2016, 6, 91.	2.3	14
18	In situ characterization of the nitridation of dysprosium during mechanochemical processing. Journal of Alloys and Compounds, 2015, 619, 253-261.	5.5	10

#	Article	IF	Citations
19	Kinetics of the nitridation of dysprosium during mechanochemical processing. Journal of Alloys and Compounds, 2015, 620, 413-420.	5.5	2
20	Simulation of the Relaxation Potential Profile of an ac-dc-ac Test. International Journal of Corrosion, 2014, 2014, 1-12.	1.1	3
21	Mathematical Modeling of Inhibitor Transport in an Organic Coating. ECS Meeting Abstracts, 2014, , .	0.0	0
22	Transgranular stress corrosion cracking of 304L stainless steel pipe clamps in direct use geothermal water heating applications. Engineering Failure Analysis, 2013, 33, 336-346.	4.0	16
23	Lateral and radial corrosion propagation behavior of 9â€“21% Cr and 18% Crâ€‰+â€‰2.8% Mo stainless steel reinforcing materials in simulated concrete environments. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 752-763.	1.5	5
24	Compatibility of ZrN and HfN with molten LiClâ€“KClâ€“NaClâ€“UCl3. Journal of Nuclear Materials, 2010, 405, 266-273.	2.7	5