

Alexander D Warren

List of Publications by Year in descending order

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25
papers

226
citations

1040056

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25
docs citations

25
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of sigma-phase evolution in thermally aged 2205 duplex stainless steel. <i>Journal of Materials Science</i> , 2016, 51, 694-707.	3.7	36
2	The role of ferrite in Type 316H austenitic stainless steels on the susceptibility to creep cavitation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 635, 59-69.	5.6	27
3	Precipitation within localised chromium-enriched regions in a Type 316H austenitic stainless steel. <i>Journal of Materials Science</i> , 2018, 53, 6183-6197.	3.7	22
4	The role of grain boundary ferrite evolution and thermal aging on creep cavitation of type 316H austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 807, 140859.	5.6	22
5	Investigation of colloidal graphite as a matrix for matrix-assisted laser desorption/ionisation mass spectrometry of low molecular weight analytes. <i>Journal of Mass Spectrometry</i> , 2016, 51, 491-503.	1.6	14
6	Applying electron backscattering diffraction to macroscopic residual stress characterisation in a dissimilar weld. <i>Journal of Materials Processing Technology</i> , 2017, 241, 54-63.	6.3	14
7	Observation of stress corrosion cracking using real-time in situ high-speed atomic force microscopy and correlative techniques. <i>Npj Materials Degradation</i> , 2021, 5, .	5.8	14
8	Preparation of Stainless Steel Surfaces for Scanning Probe Microscopy. <i>Microscopy Today</i> , 2016, 24, 52-55.	0.3	13
9	A study of the application of graphite MALDI to the analysis of short-chain polyethylene glycols. <i>Polymer Chemistry</i> , 2021, 12, 439-448.	3.9	9
10	Comparison between magnetic force microscopy and electron back-scatter diffraction for ferrite quantification in type 321 stainless steel. <i>Ultramicroscopy</i> , 2015, 148, 1-9.	1.9	8
11	Development of fatigue testing system for in-situ observation of stainless steel 316 by HS-AFM & SEM. <i>International Journal of Fatigue</i> , 2019, 127, 1-9.	5.7	8
12	The effects of fusion reactor thermal transients on the microstructure of Eurofer-97 steel. <i>Journal of Nuclear Materials</i> , 2021, 554, 153084.	2.7	8
13	Methodologies for the airbrush application of MALDI matrices. <i>European Journal of Mass Spectrometry</i> , 2018, 24, 89-95.	1.0	7
14	Growth and characterization of uranium-zirconium alloy thin films for nuclear industry applications. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 315301.	2.8	5
15	X-ray nanotomography and electron backscatter diffraction demonstrate the crystalline, heterogeneous and impermeable nature of conodont white matter. <i>Royal Society Open Science</i> , 2021, 8, 202013.	2.4	5
16	Sample preparation methods for optimal HS-AFM analysis: Duplex stainless steel. <i>Ultramicroscopy</i> , 2021, 222, 113210.	1.9	4
17	The Role of Prior Fabrication and in Service Thermal Ageing on the Creep Life of AISI Type 316 Stainless Steel Components. <i>Key Engineering Materials</i> , 0, 713, 1-4.	0.4	3
18	The Role of Post Service Heat Treatment on the Contributions of Creep Deformation and Fracture to Service Life of AISI Type 316H Steel Components. <i>Key Engineering Materials</i> , 0, 774, 247-252.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Flavone as a novel matrix for the MALDI analysis of lanthanide and transition metal salts. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4609.	1.6	2
20	The Role of Replicated Service Atmosphere on Deformation and Fracture Behaviour of Carburised AISI Type 316H Steel. <i>Key Engineering Materials</i> , 0, 827, 318-323.	0.4	1
21	The Implications of Fabrication and Cast-to-Cast Variability on Thermal Aging in the Creep Range for AISI Type 316H Stainless Steel Components. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 987-996.	2.2	1
22	A study of the application of graphite MALDI to the analysis of lanthanides and deconvolution of the isobaric species observed. <i>Analyst, The</i> , 2021, 146, 5988-5994.	3.5	1
23	The Significance of Thermo-Mechanical Fabrication on Long Term Creep Life of Type 316H Austenitic Stainless Steel Components. <i>Applied Mechanics and Materials</i> , 0, 853, 384-388.	0.2	0
24	Development of Fatigue Testing System for in-situ Observation by AFM & SEM. <i>MATEC Web of Conferences</i> , 2019, 300, 14002.	0.2	0
25	The importance of correction factors in interpreting microcantilever beam test data. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0