

Jack Donoghue

List of Publications by Year in descending order

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18
times ranked

825
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale serial sectioning of environmentally assisted cracks in 7xxx Al alloys using femtosecond laser-PFIB. <i>Materials Characterization</i> , 2022, 188, 111890.	1.9	6
2	Multi-dimensional study of the effect of early slip activity on fatigue crack initiation in a near- β titanium alloy. <i>Acta Materialia</i> , 2022, 233, 117967.	3.8	24
3	Tracking polycrystal evolution non-destructively in 3D by laboratory X-ray diffraction contrast tomography. <i>Materials Characterization</i> , 2021, 172, 110814.	1.9	16
4	Multiscale analysis of grain boundary microstructure in high strength 7xxx Al alloys. <i>Acta Materialia</i> , 2021, 202, 190-210.	3.8	47
5	Toward a Mechanistic Understanding of Pellet Cladding Interaction Using Advanced 3D Characterization and Atomistic Simulation. , 2021, , 904-926.		0
6	Correlative Tomography - Bridging the length-scales through correlative X-ray and Electron Imaging. <i>Microscopy and Microanalysis</i> , 2021, 27, 932-933.	0.2	2
7	The evolution of abnormally coarse grain structures in beta-annealed Ti-6Al-4V rolled plates, observed by in-situ investigation. <i>Acta Materialia</i> , 2021, 221, 117362.	3.8	3
8	On the observation of annealing twins during simulating β -grain refinement in Ti-6Al-4V high deposition rate AM with in-process deformation. <i>Acta Materialia</i> , 2020, 186, 229-241.	3.8	33
9	Strain based electrical resistance behaviour of graphene-coated elastomeric yarns. <i>Materials Letters</i> , 2020, 273, 127948.	1.3	6
10	Analysis of the Development of Abnormal Grains Structures During Beta Annealing of Ti-64 Wrought Products. <i>MATEC Web of Conferences</i> , 2020, 321, 12043.	0.1	3
11	On the Application of Xe+ Plasma FIB for Micro-fabrication of Small-scale Tensile Specimens. <i>Experimental Mechanics</i> , 2019, 59, 1113-1125.	1.1	9
12	Indirect to Direct Gap Crossover in Two-Dimensional InSe Revealed by Angle-Resolved Photoemission Spectroscopy. <i>ACS Nano</i> , 2019, 13, 2136-2142.	7.3	63
13	The heterogenous distribution of white etching matter (WEM) around subsurface cracks in bearing steels. <i>Acta Materialia</i> , 2019, 174, 300-309.	3.8	31
14	Towards Phosphate Detection in Hydroponics Using Molecularly Imprinted Polymer Sensors. <i>Sensors</i> , 2018, 18, 531.	2.1	22
15	Application of bulk deformation methods for microstructural and material property improvement and residual stress and distortion control in additively manufactured components. <i>Scripta Materialia</i> , 2017, 135, 111-118.	2.6	141
16	The effectiveness of combining rolling deformation with Wire-Arc Additive Manufacture on β -grain refinement and texture modification in Ti-6Al-4V. <i>Materials Characterization</i> , 2016, 114, 103-114.	1.9	245
17	A comparative study on the performance of suspension plasma sprayed thermal barrier coatings with different bond coat systems. <i>Surface and Coatings Technology</i> , 2015, 275, 276-282.	2.2	21
18	Evolution of thermal conductivity of dysprosia stabilised thermal barrier coating systems during heat treatment. <i>Surface and Coatings Technology</i> , 2012, 209, 38-43.	2.2	27