Nam Phan

List of Publications by Year
in descending order

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Version: 2024-02-01

22 papers	963 citations	687363 13 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	619 citing authors

#	Article	IF	Citations
1	Multiaxial fatigue behavior of wrought and additive manufactured Ti-6Al-4V including surface finish effect. International Journal of Fatigue, 2017, 100, 347-366.	5.7	193
2	Significance of hot isostatic pressing (HIP) on multiaxial deformation and fatigue behaviors of additive manufactured Ti-6Al-4V including build orientation and surface roughness effects. International Journal of Fatigue, 2018, 117, 352-370.	5.7	136
3	Fatigue behaviour of additive manufactured materials: An overview of some recent experimental studies on <scp>Tiâ€6Alâ€4V</scp> considering various processing and loading direction effects. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 991-1009.	3.4	130
4	Torsional fatigue behavior of wrought and additive manufactured Ti-6Al-4V by powder bed fusion including surface finish effect. International Journal of Fatigue, 2017, 99, 187-201.	5.7	117
5	Powder Recycling Effects on the Tensile and Fatigue Behavior of Additively Manufactured Ti-6Al-4V Parts. Jom, 2019, 71, 963-973.	1.9	89
6	Multiaxial fatigue of LB-PBF additive manufactured 17â€“4 PH stainless steel including the effects of surface roughness and HIP treatment and comparisons with the wrought alloy. International Journal of Fatigue, 2020, 137, 105646.	5.7	47
7	Crack Growth in a Range of Additively Manufactured Aerospace Structural Materials. Aerospace, 2018, 5, 118.	2.2	43
8	Fatigue crack propagation under biaxial fatigue loading with single overloads. International Journal of Fatigue, 2018, 109, 103-113.	5.7	38
9	Further Studies into Crack Growth in Additively Manufactured Materials. Materials, 2020, 13, 2223.	2.9	28
10	Small fatigue crack growth behavior of Ti-6Al-4V produced via selective laser melting: In situ characterization of a 3D crack tip interactions with defects. International Journal of Fatigue, 2020, 137, 105638.	5.7	25
11	Notched fatigue of additive manufactured metals under axial and multiaxial loadings, Part I: Effects of surface roughness and HIP and comparisons with their wrought alloys. International Journal of Fatigue, 2021, 143, 106003.	5.7	23
12	Modelling the Variability and the Anisotropic Behaviour of Crack Growth in SLM Ti-6Al-4V. Materials, 2021, 14, 1400.	2.9	20
13	A note on computing the growth of small cracks in AM Ti-6Al-4V. Procedia Structural Integrity, 2020, 28, 364-369.	0.8	15
14	Notched fatigue of additive manufactured metals under axial and multiaxial loadings, part II: Data correlations and life estimations. International Journal of Fatigue, 2022, 156, 106648.	5.7	13
15	Hot Isostatic Pressing for Fatigue Critical Additively Manufactured Ti-6Al-4V. Materials, 2022, 15, 2051.	2.9	13
16	Multiaxial Fatigue of Additive Manufactured Metals. MATEC Web of Conferences, 2019, 300, 01003.	0.2	11
17	Characterization of crack propagation behavior in Al-7075 under in-plane biaxial fatigue loading with shear overloads. International Journal of Fatigue, 2020, 134, 105529.	5.7	11
18	Experimental Studies into the Analysis Required for the Durability Assessment of 7075 and 6061 Cold Spray Repairs to Military Aircraft. Aerospace, 2020, 7, 119.	2.2	4

#	Article	IF	Citations
19	Effects of overload mode-mixity on fatigue damage behavior and governing micromechanisms in AA7075 under biaxial fatigue loading. International Journal of Fatigue, 2021, 145, 106141.	5.7	3
20	Effect of Shear Overloads on Crack Propagation in Al-7075 Under In-Plane Biaxial Fatigue Loading. , 2019, , .		3
21	Performance Signature Qualification for Additively Manufactured Parts under Conditions Emulating In-Service Loading. , 2020, , 550-572.		1
22	Multiscale Data Driven Methodology for Accelerating Qualification and Certification of Additively Manufactured Parts. , 2022, , 223-244.		0