

Wen Hao Kan

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

512
citations

759233

12
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

471
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of porosity on Ti-6Al-4V parts fabricated by laser powder bed fusion in the pursuit of process efficiency. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 5417-5438.	3.0	8
2	A critical review on the effects of process-induced porosity on the mechanical properties of alloys fabricated by laser powder bed fusion. <i>Journal of Materials Science</i> , 2022, 57, 9818-9865.	3.7	60
3	The mechanisms behind the tribological behaviour of polymer matrix composites reinforced with TiO ₂ nanoparticles. <i>Wear</i> , 2021, 474-475, 203754.	3.1	18
4	Effect of T6 treatment on additively-manufactured AlSi10Mg sliding against ceramic and steel. <i>Wear</i> , 2021, 482-483, 203961.	3.1	8
5	Predicting the fatigue life of an AlSi10Mg alloy manufactured via laser powder bed fusion by using data from computed tomography. <i>Additive Manufacturing</i> , 2020, 32, 100899.	3.0	19
6	Precipitation of (Ti, Zr, Nb, Ta, Hf)C high entropy carbides in a steel matrix. <i>Materialia</i> , 2020, 9, 100540.	2.7	15
7	Two-body wear test of enamel against laboratory polished and clinically adjusted zirconia. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 108, 103760.	3.1	9
8	Utilization of Waste Materials for the Manufacturing of Better-Quality Wear and Corrosion-Resistant Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 2404-2410.	2.2	3
9	Improving metal-ceramic systems subjected to sliding contact by reinforcing the metallic counterpart with ceramic particles. <i>Wear</i> , 2020, 452-453, 203311.	3.1	4
10	Development of (Nb _{0.75} ,Ti _{0.25})C-Reinforced Cast Duplex Stainless Steel Composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 2366-2376.	2.2	0
11	Factors that affect the properties of additively-manufactured AlSi10Mg: Porosity versus microstructure. <i>Additive Manufacturing</i> , 2019, 29, 100805.	3.0	40
12	The effect of NbC morphology on the slurry erosion performance of ferrous alloys. <i>Wear</i> , 2019, 434-435, 202988.	3.1	3
13	Tribological behaviour of high performance polymers and polymer composites at elevated temperature. <i>Tribology International</i> , 2019, 130, 94-105.	5.9	57
14	Slurry erosion, sliding wear and corrosion behavior of martensitic stainless steel composites reinforced in-situ with NbC particles. <i>Wear</i> , 2019, 420-421, 149-162.	3.1	31
15	Fatigue properties of AlSi10Mg produced by Additive Layer Manufacturing. <i>International Journal of Fatigue</i> , 2019, 119, 160-172.	5.7	86
16	Microstructure characterisation and mechanical properties of a functionally-graded NbC/high chromium white cast iron composite. <i>Materials Characterization</i> , 2018, 136, 196-205.	4.4	29
17	A study on novel AISI 304 stainless steel matrix composites reinforced with (Nb _{0.75} ,Ti _{0.25})C. <i>Wear</i> , 2018, 398-399, 220-226.	3.1	36
18	Fracture toughness testing using photogrammetry and digital image correlation. <i>MethodsX</i> , 2018, 5, 1166-1177.	1.6	13

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19	Fabrication and characterization of microstructure of stainless steel matrix composites containing up to 25vol% NbC. <i>Materials Characterization</i> , 2016, 119, 65-74.	4.4	35
20	Room temperature stress-strain hysteresis in Ti ₂ AlC revisited. <i>Acta Materialia</i> , 2016, 105, 294-305.	7.9	38