

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
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20
all docs

20
docs citations

20
times ranked

471
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Fatigue properties of AlSi10Mg produced by Additive Layer Manufacturing. <i>International Journal of Fatigue</i> , 2019, 119, 160-172. | 5.7 | 86 |
| 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 | Tribological behaviour of high performance polymers and polymer composites at elevated temperature. <i>Tribology International</i> , 2019, 130, 94-105. | 5.9 | 57 |
| 4 | Factors that affect the properties of additively-manufactured AlSi10Mg: Porosity versus microstructure. <i>Additive Manufacturing</i> , 2019, 29, 100805. | 3.0 | 40 |
| 5 | Room temperature stress-strain hysteresis in Ti2AlC revisited. <i>Acta Materialia</i> , 2016, 105, 294-305. | 7.9 | 38 |
| 6 | A study on novel AISI 304 stainless steel matrix composites reinforced with (Nb0.75,Ti0.25)C. <i>Wear</i> , 2018, 398-399, 220-226. | 3.1 | 36 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | The mechanisms behind the tribological behaviour of polymer matrix composites reinforced with TiO2 nanoparticles. <i>Wear</i> , 2021, 474-475, 203754. | 3.1 | 18 |
| 12 | Precipitation of (Ti, Zr, Nb, Ta, Hf)C high entropy carbides in a steel matrix. <i>Materialia</i> , 2020, 9, 100540. | 2.7 | 15 |
| 13 | Fracture toughness testing using photogrammetry and digital image correlation. <i>MethodsX</i> , 2018, 5, 1166-1177. | 1.6 | 13 |
| 14 | 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 |
| 15 | Effect of T6 treatment on additively-manufactured AlSi10Mg sliding against ceramic and steel. <i>Wear</i> , 2021, 482-483, 203961. | 3.1 | 8 |
| 16 | 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 |
| 17 | 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 |
| 18 | The effect of NbC morphology on the slurry erosion performance of ferrous alloys. <i>Wear</i> , 2019, 434-435, 202988. | 3.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Utilization of Waste Materials for the Manufacturing of Better-Quality Wear and Corrosion-Resistant Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 2404-2410. | 2.2 | 3 |
| 20 | Development of (Nb0.75,Ti0.25)C-Reinforced Cast Duplex Stainless Steel Composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 2366-2376. | 2.2 | 0 |