

Bernd Oberwinkler

List of Publications by Year in descending order

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364
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | On conventional versus direct ageing of Alloy 718. <i>Acta Materialia</i> , 2018, 156, 116-124. | 3.8 | 81 |
| 2 | On the early stages of precipitation during direct ageing of Alloy 718. <i>Acta Materialia</i> , 2020, 188, 492-503. | 3.8 | 58 |
| 3 | Experimental and numerical investigations of the β and β' precipitation kinetics in Alloy 718. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 723, 314-323. | 2.6 | 50 |
| 4 | Importance of local microstructure for damage tolerant light weight design of Ti-6Al-4V forgings. <i>International Journal of Fatigue</i> , 2010, 32, 808-814. | 2.8 | 40 |
| 5 | Modeling the fatigue crack growth behavior of Ti-6Al-4V by considering grain size and stress ratio. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 5983-5992. | 2.6 | 38 |
| 6 | Microstructure-property relationships in directly aged Alloy 718 turbine disks. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 776, 138967. | 2.6 | 28 |
| 7 | The influence of microstructure and operating temperature on the fatigue endurance of hot forged Inconel® 718 components. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 585, 123-131. | 2.6 | 20 |
| 8 | Multiscale fatigue crack observations on Ti-6Al-4V. <i>International Journal of Fatigue</i> , 2011, 33, 710-718. | 2.8 | 18 |
| 9 | Effects of processing heterogeneities on the micro- to nanostructure strengthening mechanisms of an alloy 718 turbine disk. <i>Materials and Design</i> , 2021, 212, 110295. | 3.3 | 18 |
| 10 | On the anomalous mean stress sensitivity of Ti-6Al-4V and its consideration in high cycle fatigue lifetime analysis. <i>International Journal of Fatigue</i> , 2016, 92, 368-381. | 2.8 | 13 |
| 11 | Evolution of nanoscale precipitates during common Alloy 718 ageing treatments. <i>Materials and Design</i> , 2021, 205, 109762. | 3.3 | 13 |
| 12 | Fatigue Assessment of Wire and Arc Additively Manufactured Ti-6Al-4V. <i>Metals</i> , 2022, 12, 795. | 1.0 | 6 |
| 13 | Implementation of a viscoplastic substrate creep model in the thermomechanical simulation of the WAAM process. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 441-453. | 1.3 | 4 |
| 14 | Influence of the Peening Intensity on the Fatigue Behavior of Shot Peened Titanium Components. <i>Journal of ASTM International</i> , 2008, 5, 1-10. | 0.2 | 3 |
| 15 | Importance of Residual Stresses and Surface Roughness regarding Fatigue of Titanium Forgings. <i>Journal of ASTM International</i> , 2010, 7, 1-11. | 0.2 | 2 |
| 16 | Four Point Bending Fatigue Tests of Forged Ti 6Al 4V. <i>Materialprüfung/Materials Testing</i> , 2009, 51, 580-586. | 0.8 | 1 |