

# Bernd Oberwinkler

## List of Publications by Year in descending order

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times ranked

364  
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#	ARTICLE	IF	CITATIONS
1	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
2	Fatigue Assessment of Wire and Arc Additively Manufactured Ti-6Al-4V. <i>Metals</i> , 2022, 12, 795.	1.0	6
3	Evolution of nanoscale precipitates during common Alloy 718 ageing treatments. <i>Materials and Design</i> , 2021, 205, 109762.	3.3	13
4	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
5	Microstructure-property relationships in directly aged Alloy 718 turbine disks. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 776, 138967.	2.6	28
6	On the early stages of precipitation during direct ageing of Alloy 718. <i>Acta Materialia</i> , 2020, 188, 492-503.	3.8	58
7	Experimental and numerical investigations of the $\gamma$ and $\beta$ precipitation kinetics in Alloy 718. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 723, 314-323.	2.6	50
8	On conventional versus direct ageing of Alloy 718. <i>Acta Materialia</i> , 2018, 156, 116-124.	3.8	81
9	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
10	The influence of microstructure and operating temperature on the fatigue endurance of hot forged Inconel® 718 components. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 585, 123-131.	2.6	20
11	Modeling the fatigue crack growth behavior of Ti-6Al-4V by considering grain size and stress ratio. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 5983-5992.	2.6	38
12	Multiscale fatigue crack observations on Ti-6Al-4V. <i>International Journal of Fatigue</i> , 2011, 33, 710-718.	2.8	18
13	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
14	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
15	Four Point Bending Fatigue Tests of Forged Ti 6Al 4V. <i>Materialprüfung/Materials Testing</i> , 2009, 51, 580-586.	0.8	1
16	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