

Stefanie Tschegg

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

460
citations

840776

11
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue life estimation of pitted 12% Cr steam turbine blade steel in different environments and at different stress ratios. <i>International Journal of Fatigue</i> , 2014, 65, 33-43.	5.7	74
2	Mechanisms of strain localization, crack initiation and fracture of polycrystalline copper in the VHCF regime. <i>International Journal of Fatigue</i> , 2010, 32, 886-893.	5.7	67
3	Adhesive strength of bone-implant interfaces and in-vivo degradation of PHB composites for load-bearing applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 53, 104-118.	3.1	60
4	A fracture mechanics approach to interior fatigue crack growth in the very high cycle regime. <i>Engineering Fracture Mechanics</i> , 2014, 115, 241-254.	4.3	54
5	Pit-to-crack transition under cyclic loading in 12% Cr steam turbine blade steel. <i>International Journal of Fatigue</i> , 2015, 76, 19-32.	5.7	38
6	Microstructure and fracture mechanical response of wood. <i>International Journal of Fracture</i> , 2006, 139, 495-508.	2.2	32
7	Wood as a bioinspiring material. <i>Materials Science and Engineering C</i> , 2011, 31, 1174-1183.	7.3	30
8	Fracture tolerance of reaction wood (yew and spruce wood in the TR crack propagation system). <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 688-698.	3.1	24
9	Bone-implant degradation and mechanical response of bone surrounding Mg-alloy implants. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 71, 307-313.	3.1	23
10	Fracture mechanical characterization of the initiation and growth of interior fatigue cracks. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1741-1751.	3.4	19
11	Variable amplitude loading of spray-formed hypereutectic aluminium silicon alloy DISPAL [®] S232 in the VHCF regime. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2014, 37, 945-957.	3.4	14
12	Time Saving Method for Measuring VHC Fatigue and Fatigue Crack Growth Data with the Ultrasonic Fatigue Technique. <i>Procedia Structural Integrity</i> , 2016, 2, 3-10.	0.8	8
13	Fracture Properties of Wood and Wood Composites. <i>Advanced Engineering Materials</i> , 2009, 11, 600-606.	3.5	7
14	When do small fatigue cracks propagate and when are they arrested?. <i>Corrosion Reviews</i> , 2019, 37, 397-418.	2.0	6
15	The influence of the recycled wood proportion in particle boards to the tool life of milling tools. <i>Wood Material Science and Engineering</i> , 2020, , 1-5.	2.3	2
16	Guest editorial: Special issue "Internal Fatigue Crack". <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1693-1693.	3.4	1
17	Slow fatigue crack growth in 2024-T3 and Ti-6Al-4V at low and ultrasonic frequency. <i>International Journal of Materials Research</i> , 2022, 94, 539-546.	0.3	1
18	Ash-burn test according to ISO 3340 for the evaluation of the abrasive effect of particleboard on cutting tools. <i>Wood Material Science and Engineering</i> , 2022, 17, 138-143.	2.3	0