

Fabian Welschinger

List of Publications by Year in descending order

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Version: 2024-02-01

6
papers

1,841
citations

1477746

6
h-index

1872312

6
g-index

7
all docs

7
docs citations

7
times ranked

1220
citing authors

#	ARTICLE	IF	CITATIONS
1	A multiscale high-cycle fatigue-damage model for the stiffness degradation of fiber-reinforced materials based on a mixed variational framework. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 388, 114198.	3.4	13
2	A space-time upscaling technique for modeling high-cycle fatigue-damage of short-fiber reinforced composites. <i>Composites Science and Technology</i> , 2022, 222, 109340.	3.8	11
3	A computational multi-scale model for the stiffness degradation of short-fiber reinforced plastics subjected to fatigue loading. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 373, 113522.	3.4	27
4	On mean field homogenization schemes for short fiber reinforced composites: Unified formulation, application and benchmark. <i>International Journal of Solids and Structures</i> , 2021, 230-231, 111141.	1.3	15
5	Microstructural analysis of short glass fiber reinforced thermoplastics based on x-ray micro-computed tomography. <i>Composites Science and Technology</i> , 2019, 183, 107752.	3.8	51
6	A phase field model for rate-independent crack propagation: Robust algorithmic implementation based on operator splits. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010, 199, 2765-2778.	3.4	1,724