SÃ¸ren FÃ¦ster

List of Publications by Year
in descending order

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21 papers	301 citations	933447 10 h-index	888059 17 g-index
21 all docs	21 docs citations	21 times ranked	317 citing authors

#	Article	IF	Citations
1	Characterization of Residual Particulates from Biomass Entrained Flow Gasification. Energy & Fuels, 2013, 27, 262-270.	5.1	39
2	Micromechanisms of leading edge erosion of wind turbine blades: Xâ€ray tomography analysis and computational studies. Wind Energy, 2020, 23, 547-562.	4.2	35
3	Surface crack formation on rails at grinding induced martensite white etching layers. Wear, 2017, 384-385, 8-14.	3.1	34
4	Impact of micro-scale residual stress on in-situ tensile testing of ductile cast iron: Digital volume correlation vs. model with fully resolved microstructure vs. periodic unit cell. Journal of the Mechanics and Physics of Solids, 2019, 125, 714-735.	4.8	25
5	3D characterization of rolling contact fatigue crack networks. Wear, 2016, 366-367, 392-400.	3.1	22
6	Deposition of matrix-free fullerene films with improved morphology by matrix-assisted pulsed laser evaporation (MAPLE). Chemical Physics Letters, 2013, 588, 119-123.	2.6	21
7	Analysis of the correlation between micro-mechanical fields and fatigue crack propagation path in nodular cast iron. Acta Materialia, 2020, 188, 302-314.	7.9	21
8	Probing the structure and mechanical properties of the graphite nodules in ductile cast irons via nano-indentation. Mechanics of Materials, 2018, 122, 85-95.	3.2	17
9	Nanoengineered Graphene-Reinforced Coating for Leading Edge Protection of Wind Turbine Blades. Coatings, 2021, 11, 1104.	2.6	16
10	Rain erosion of wind turbine blades and the effect of air bubbles in the coatings. Wind Energy, 2021, 24, 1071-1082.	4.2	13
11	Graphite nodules in fatigue-tested cast iron characterized in 2D and 3D. Materials Characterization, 2017, 129, 169-178.	4.4	11
12	Technologies of Wind Turbine Blade Repair: Practical Comparison. Energies, 2022, 15, 1767.	3.1	10
13	Crack formation within a Hadfield manganese steel crossing nose. Wear, 2019, 438-439, 203049.	3.1	9
14	Non-spherical voids and lattice reorientation patterning in a shock-loaded Al single crystal. Acta Materialia, 2017, 134, 16-30.	7.9	8
15	Plasma Surface Modification of Glass Fibre Sizing for Manufacturing Polymer Composites. Key Engineering Materials, 0, 843, 159-164.	0.4	7
16	X-ray tomography data of compression tested unidirectional fibre composites with different off-axis angles. Data in Brief, 2019, 25, 104263.	1.0	4
17	Scanning electron microscopy datasets for local fibre volume fraction determination in non-crimp glass-fibre reinforced composites. Data in Brief, 2021, 35, 106868.	1.0	3
18	Fatigue Reliability Analysis of Wind Turbine Cast Components. Energies, 2017, 10, 466.	3.1	2

#	Article	IF	Citations
19	X-ray tomography data of White Etching Cracks (WEC). Data in Brief, 2019, 27, 104531.	1.0	2
20	Fluorination of sized glass fibres for decreased wetting by atmospheric pressure plasma treatment in He/CF₄. Journal of Adhesion, 2020, 96, 2-12.	3.0	2
21	Characterization of voids in shock-loaded Al single crystal by combining X-ray tomography and electron microscopy. IOP Conference Series: Materials Science and Engineering, 2017, 219, 012027.	0.6	0