

# Sören Fåster

## 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  
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21  
docs citations

21  
times ranked

317  
citing authors

#	ARTICLE	IF	CITATIONS
1	Technologies of Wind Turbine Blade Repair: Practical Comparison. <i>Energies</i> , 2022, 15, 1767.	3.1	10
2	Scanning electron microscopy datasets for local fibre volume fraction determination in non-crimp glass-fibre reinforced composites. <i>Data in Brief</i> , 2021, 35, 106868.	1.0	3
3	Nanoengineered Graphene-Reinforced Coating for Leading Edge Protection of Wind Turbine Blades. <i>Coatings</i> , 2021, 11, 1104.	2.6	16
4	Rain erosion of wind turbine blades and the effect of air bubbles in the coatings. <i>Wind Energy</i> , 2021, 24, 1071-1082.	4.2	13
5	Micromechanisms of leading edge erosion of wind turbine blades: X-ray tomography analysis and computational studies. <i>Wind Energy</i> , 2020, 23, 547-562.	4.2	35
6	Fluorination of sized glass fibres for decreased wetting by atmospheric pressure plasma treatment in He/CF <sub>4</sub> . <i>Journal of Adhesion</i> , 2020, 96, 2-12.	3.0	2
7	Analysis of the correlation between micro-mechanical fields and fatigue crack propagation path in nodular cast iron. <i>Acta Materialia</i> , 2020, 188, 302-314.	7.9	21
8	X-ray tomography data of White Etching Cracks (WEC). <i>Data in Brief</i> , 2019, 27, 104531.	1.0	2
9	X-ray tomography data of compression tested unidirectional fibre composites with different off-axis angles. <i>Data in Brief</i> , 2019, 25, 104263.	1.0	4
10	Crack formation within a Hadfield manganese steel crossing nose. <i>Wear</i> , 2019, 438-439, 203049.	3.1	9
11	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. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 125, 714-735.	4.8	25
12	Probing the structure and mechanical properties of the graphite nodules in ductile cast irons via nano-indentation. <i>Mechanics of Materials</i> , 2018, 122, 85-95.	3.2	17
13	Graphite nodules in fatigue-tested cast iron characterized in 2D and 3D. <i>Materials Characterization</i> , 2017, 129, 169-178.	4.4	11
14	Surface crack formation on rails at grinding induced martensite white etching layers. <i>Wear</i> , 2017, 384-385, 8-14.	3.1	34
15	Non-spherical voids and lattice reorientation patterning in a shock-loaded Al single crystal. <i>Acta Materialia</i> , 2017, 134, 16-30.	7.9	8
16	Characterization of voids in shock-loaded Al single crystal by combining X-ray tomography and electron microscopy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 219, 012027.	0.6	0
17	Fatigue Reliability Analysis of Wind Turbine Cast Components. <i>Energies</i> , 2017, 10, 466.	3.1	2
18	3D characterization of rolling contact fatigue crack networks. <i>Wear</i> , 2016, 366-367, 392-400.	3.1	22

#	ARTICLE	IF	CITATIONS
19	Deposition of matrix-free fullerene films with improved morphology by matrix-assisted pulsed laser evaporation (MAPLE). <i>Chemical Physics Letters</i> , 2013, 588, 119-123.	2.6	21
20	Characterization of Residual Particulates from Biomass Entrained Flow Gasification. <i>Energy &amp; Fuels</i> , 2013, 27, 262-270.	5.1	39
21	Plasma Surface Modification of Glass Fibre Sizing for Manufacturing Polymer Composites. <i>Key Engineering Materials</i> , 0, 843, 159-164.	0.4	7