

Jonathan Keller

List of Publications by Year in descending order

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15
papers

393
citations

1040056

9
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1058476

14
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34
all docs

34
docs citations

34
times ranked

261
citing authors

#	ARTICLE	IF	CITATIONS
1	Wind turbine drivetrains: state-of-the-art technologies and future development trends. <i>Wind Energy Science</i> , 2022, 7, 387-411.	3.3	44
2	Dynamic characterization and performance evaluation of a 10-kW power take-off with mechanical motion rectifier for wave energy conversion. <i>Ocean Engineering</i> , 2022, 250, 110983.	4.3	6
3	Impacts of wind field characteristics and non-steady deterministic wind events on time-varying main-bearing loads. <i>Wind Energy Science</i> , 2022, 7, 1209-1226.	3.3	2
4	MADE3D: Enabling the next generation of high-torque density wind generators by additive design and 3D printing. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 2021, 85, 287-311.	1.6	2
5	Proposed criteria to identify wind turbine drivetrain bearing loads that induce roller slip based white-Etching cracks. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 2021, 85, 395-404.	1.6	1
6	Investigation of main bearing operating conditions in a three-Point mount wind turbine drivetrain. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 2021, 85, 405-415.	1.6	10
7	Wind-Power Generator Technology Research Aims to Meet Global-Wind Power Ambitions. <i>Joule</i> , 2020, 4, 1861-1863.	24.0	9
8	A methodology for reliability assessment and prognosis of bearing axial cracking in wind turbine gearboxes. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109888.	16.4	28
9	Validation of combined analytical methods to predict slip in cylindrical roller bearings. <i>Tribology International</i> , 2020, 148, 106347.	5.9	25
10	Comparison of planetary bearing load-sharing characteristics in wind turbine gearboxes. <i>Wind Energy Science</i> , 2018, 3, 947-960.	3.3	12
11	Theoretical and experimental study on gear-coupling contact and loads considering misalignment, torque, and friction influences. <i>Mechanism and Machine Theory</i> , 2016, 98, 242-262.	4.5	66
12	Planetary gear load sharing of wind turbine drivetrains subjected to non-torque loads. <i>Wind Energy</i> , 2015, 18, 757-768.	4.2	46
13	A 2.3-MW Medium-voltage, three-level wind energy inverter applying a unique bus structure and 4.5-kV Si/SiC hybrid isolated power modules. , 2015, , .		14
14	Effects of floating sun gear in a wind turbine's planetary gearbox with geometrical imperfections. <i>Wind Energy</i> , 2015, 18, 2105-2120.	4.2	41
15	Nonlinear dynamics and stability of wind turbine planetary gear sets under gravity effects. <i>European Journal of Mechanics, A/Solids</i> , 2014, 47, 45-57.	3.7	61