

Murat Inalpolat

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

539
citations

1040056

9
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

449
citing authors

#	ARTICLE	IF	CITATIONS
1	An unsupervised data-driven approach for wind turbine blade damage detection under passive acoustics-based excitation. <i>Wind Engineering</i> , 2022, 46, 1311-1330.	1.9	3
2	Response Sensitivity of Centrifugal Pendulum Vibration Absorbers to Symmetry-Breaking Absorber Imperfections. <i>Journal of Sound and Vibration</i> , 2022, 535, 117037.	3.9	4
3	Combat helmet liner design for blunt impact absorption using multi-output Gaussian process surrogates. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 2934-2951.	2.1	2
4	Pressure monitoring based identification of the EOD suit's human interface load distribution. <i>International Journal of Intelligent Robotics and Applications</i> , 2021, 5, 410-423.	2.8	2
5	Active acoustic damage detection of structural cavities using internal acoustic excitations. <i>Structural Health Monitoring</i> , 2020, 19, 48-65.	7.5	15
6	Passive acoustic damage detection of structural cavities using flow-induced acoustic excitations. <i>Structural Health Monitoring</i> , 2020, 19, 751-764.	7.5	10
7	An experimental investigation into passive acoustic damage detection for structural health monitoring of wind turbine blades. <i>Structural Health Monitoring</i> , 2020, 19, 1711-1725.	7.5	44
8	A computational investigation of airfoil aeroacoustics for structural health monitoring of wind turbine blades. <i>Wind Energy</i> , 2020, 23, 795-809.	4.2	15
9	Acoustic Sensing Based Operational Monitoring of Wind Turbine Blades. <i>Journal of Physics: Conference Series</i> , 2020, 1452, 012050.	0.4	5
10	An adaptive wavelet packet denoising algorithm for enhanced active acoustic damage detection from wind turbine blades. <i>Mechanical Systems and Signal Processing</i> , 2020, 142, 106754.	8.0	72
11	Inductive quantification of energy absorption of high-density polyethylene foam for repeated blunt impact. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020, 234, 531-545.	1.1	6
12	Effect of wetting states on frequency response of a micropillar-based quartz crystal microbalance. <i>Sensors and Actuators A: Physical</i> , 2019, 286, 115-122.	4.1	17
13	A Computational Investigation Into the Impact of Sensor Location on the Acoustics-Based Damage Detection From an Airfoil Structure. , 2019, , .		3
14	Outcomes of a Cross-Disciplinary Concussion Prevention and Diagnosis Workshop Series. <i>Proceedings (mdpi)</i> , 2018, 2, 268.	0.2	1
15	Wind Turbine Blade Damage Detection Using Supervised Machine Learning Algorithms. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2017, 139, .	1.6	49
16	Structural health monitoring of wind turbine blades using acoustic microphone array. <i>Structural Health Monitoring</i> , 2017, 16, 471-485.	7.5	37
17	Amplitude modulations in planetary gears. <i>Wind Energy</i> , 2014, 17, 505-517.	4.2	15
18	A dynamic model to predict modulation sidebands of a planetary gear set having manufacturing errors. <i>Journal of Sound and Vibration</i> , 2010, 329, 371-393.	3.9	226

#	ARTICLE	IF	CITATIONS
19	Analysis of near field sound radiation from a resonant unbaffled plate using simplified analytical models. Noise Control Engineering Journal, 2010, 58, 145.	0.3	9
20	A generalized computational approach to predict high-frequency acoustic pressure response of cavity structures for structural health monitoring of wind turbine blades. Wind Engineering, 0, , 0309524X2110605.	1.9	2