Hyung Jin Lim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2264488/publications.pdf

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12	216	1040056 9	1199594 12
papers	citations	h-index	g-index

12	12	12	223
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automated fatigue damage detection and classification technique for composite structures using Lamb waves and deep autoencoder. Mechanical Systems and Signal Processing, 2022, 163, 108148.	8.0	50
2	Binding conditions for nonlinear ultrasonic generation unifying wave propagation and vibration. Applied Physics Letters, 2014, 104, .	3.3	28
3	Development of a â€œstick-and-detectâ€•wireless sensor node for fatigue crack detection. Structural Health Monitoring, 2017, 16, 153-163.	7.5	24
4	Application of Local Reference-Free Damage Detection Techniques to In Situ Bridges. Journal of Structural Engineering, 2014, 140, .	3.4	18
5	Fatigue crack detection using structural nonlinearity reflected on linear ultrasonic features. Journal of Applied Physics, 2015, 118, .	2.5	18
6	Data-driven system health monitoring technique using autoencoder for the safety management of commercial aircraft. Neural Computing and Applications, 2021, 33, 3235-3250.	5.6	17
7	Steel bridge corrosion inspection with combined vision and thermographic images. Structural Health Monitoring, 2021, 20, 3424-3435.	7.5	15
8	Necessary Conditions for Nonlinear Ultrasonic Modulation Generation Given a Localized Fatigue Crack in a Plate-Like Structure. Materials, 2017, 10, 248.	2.9	14
9	Reference-free delamination detection using Lamb waves. Structural Control and Health Monitoring, 2013, 21, n/a-n/a.	4.0	11
10	Reference-free damage detection, localization, and quantification in composites. Journal of the Acoustical Society of America, 2013, 133, 3838-3845.	1.1	9
11	Fatigue damage detection and growth monitoring for composite structure using coda wave interferometry. Structural Control and Health Monitoring, 2021, 28, e2689.	4.0	9
12	Autonomous mobile lock-in thermography system for detecting and quantifying voids in liquefied natural gas cargo tank second barrier. Structural Health Monitoring, 2017, 16, 276-290.	7.5	3