

Hyung Jin Lim

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

216
citations

1040056

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1199594

12
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12
docs citations

12
times ranked

223
citing authors

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