

In-Ho Kim

List of Publications by Year in descending order

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22
docs citations

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times ranked

633
citing authors

#	ARTICLE	IF	CITATIONS
1	Parametric Study on Ducted Micro Wind Energy Harvester. <i>Energies</i> , 2022, 15, 727.	1.6	2
2	A novel approach to assess the seismic performance of deteriorated bridge structures by employing UAV-based damage detection. <i>Structural Control and Health Monitoring</i> , 2022, 29, .	1.9	9
3	Effect of Tuned Spring on Vibration Control Performance of Modified Liquid Column Ball Damper. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 318.	1.3	8
4	BLESeis: Low-Cost IoT Sensor for Smart Earthquake Detection and Notification. <i>Sensors</i> , 2020, 20, 2963.	2.1	13
5	Tunable yo-yo energy harvester with oblique springs. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 3185-3194.	1.1	2
6	Feasibility Study of Fluctuating Wind Pressure around High-Rise Buildings as a Potential Energy-Harvesting Source. <i>Energies</i> , 2019, 12, 4032.	1.6	5
7	Fabrication and Characterization of Natural Rubber-Based Magnetorheological Elastomers at Large Strain for Base Isolators. <i>Shock and Vibration</i> , 2018, 2018, 1-12.	0.3	15
8	Application of Crack Identification Techniques for an Aging Concrete Bridge Inspection Using an Unmanned Aerial Vehicle. <i>Sensors</i> , 2018, 18, 1881.	2.1	162
9	Diagnosis of crack damage on structures based on image processing techniques and R-CNN using unmanned aerial vehicle (UAV). , 2018, , .		14
10	Feasibility Study of the Electromagnetic Damper for Cable Structures Using Real-Time Hybrid Simulation. <i>Sensors</i> , 2017, 17, 2499.	2.1	8
11	Design and Experimental Study of an L Shape Piezoelectric Energy Harvester. <i>Shock and Vibration</i> , 2017, 2017, 1-8.	0.3	4
12	Improving thermoelectric energy harvesting efficiency by using graphene. <i>AIP Advances</i> , 2016, 6, 055027.	0.6	7
13	An enhanced tunable rotational energy harvester with variable stiffness system for low-frequency vibration. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016, 230, 732-736.	1.1	5
14	A performance-enhanced energy harvester for low frequency vibration utilizing a corrugated cantilevered beam. <i>Smart Materials and Structures</i> , 2014, 23, 037002.	1.8	21
15	Multi-resonant energy harvester exploiting high-mode resonances frequency down-shifted by a flexible body beam. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	18
16	Investigation of Applicability of Electromagnetic Energy Harvesting System to Inclined Stay Cable Under Wind Load. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3478-3481.	1.2	22
17	An energy harvesting system using the wind-induced vibration of a stay cable for powering a wireless sensor node. <i>Smart Materials and Structures</i> , 2011, 20, 075001.	1.8	53
18	Broadband energy-harvesting using a two degree-of-freedom vibrating body. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	172

#	ARTICLE	IF	CITATIONS
19	A tunable rotational energy harvester for low frequency vibration. Applied Physics Letters, 2011, 99, .	1.5	34
20	Numerical investigation of an MR damper-based smart passive control system for mitigating vibration of stay cables. Structural Engineering and Mechanics, 2011, 37, 443-458.	1.0	9
21	Dynamic Characterization of Magneto-Rheological Elastomers in Shear Mode. IEEE Transactions on Magnetics, 2009, 45, 3930-3933.	1.2	39