

# In-Ho Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

629  
citations

932766

10  
h-index

713013

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband energy-harvesting using a two degree-of-freedom vibrating body. Applied Physics Letters, 2011, 98, .	1.5	172
2	Application of Crack Identification Techniques for an Aging Concrete Bridge Inspection Using an Unmanned Aerial Vehicle. Sensors, 2018, 18, 1881.	2.1	162
3	An energy harvesting system using the wind-induced vibration of a stay cable for powering a wireless sensor node. Smart Materials and Structures, 2011, 20, 075001.	1.8	53
4	Dynamic Characterization of Magneto-Rheological Elastomers in Shear Mode. IEEE Transactions on Magnetics, 2009, 45, 3930-3933.	1.2	39
5	A tunable rotational energy harvester for low frequency vibration. Applied Physics Letters, 2011, 99, .	1.5	34
6	Investigation of Applicability of Electromagnetic Energy Harvesting System to Inclined Stay Cable Under Wind Load. IEEE Transactions on Magnetics, 2012, 48, 3478-3481.	1.2	22
7	A performance-enhanced energy harvester for low frequency vibration utilizing a corrugated cantilevered beam. Smart Materials and Structures, 2014, 23, 037002.	1.8	21
8	Multi-resonant energy harvester exploiting high-mode resonances frequency down-shifted by a flexible body beam. Applied Physics Letters, 2012, 101, .	1.5	18
9	Fabrication and Characterization of Natural Rubber-Based Magnetorheological Elastomers at Large Strain for Base Isolators. Shock and Vibration, 2018, 2018, 1-12.	0.3	15
10	Diagnosis of crack damage on structures based on image processing techniques and R-CNN using unmanned aerial vehicle (UAV). , 2018, , .		14
11	BLESeis: Low-Cost IoT Sensor for Smart Earthquake Detection and Notification. Sensors, 2020, 20, 2963.	2.1	13
12	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
13	A novel approach to assess the seismic performance of deteriorated bridge structures by employing UAV-based damage detection. Structural Control and Health Monitoring, 2022, 29, .	1.9	9
14	Feasibility Study of the Electromagnetic Damper for Cable Structures Using Real-Time Hybrid Simulation. Sensors, 2017, 17, 2499.	2.1	8
15	Effect of Tuned Spring on Vibration Control Performance of Modified Liquid Column Ball Damper. Applied Sciences (Switzerland), 2022, 12, 318.	1.3	8
16	Improving thermoelectric energy harvesting efficiency by using graphene. AIP Advances, 2016, 6, 055027.	0.6	7
17	An enhanced tunable rotational energy harvester with variable stiffness system for low-frequency vibration. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 732-736.	1.1	5
18	Feasibility Study of Fluctuating Wind Pressure around High-Rise Buildings as a Potential Energy-Harvesting Source. Energies, 2019, 12, 4032.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Design and Experimental Study of an L Shape Piezoelectric Energy Harvester. Shock and Vibration, 2017, 2017, 1-8.	0.3	4
20	Tunable yo-yo energy harvester with oblique springs. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 3185-3194.	1.1	2
21	Parametric Study on Ducted Micro Wind Energy Harvester. Energies, 2022, 15, 727.	1.6	2