

Sinwoo Jeong

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A lever-type piezoelectric energy harvester with deformation-guiding mechanism for electric vehicle charging station on smart road. <i>Energy</i> , 2021, 218, 119540.	8.8	22
2	Vibration-Based Uniform Curvature Piezoelectric Energy Harvester. , 2021, , 207-210.		0
3	Development of a hybrid type smart pen piezoelectric energy harvester for an IoT platform. <i>Energy</i> , 2021, 222, 119845.	8.8	19
4	Design Scalability Study of the $\hat{\Gamma}$ -Shaped Piezoelectric Harvester Based on Generalized Classical Ritz Method and Optimization. <i>Electronics (Switzerland)</i> , 2021, 10, 1887.	3.1	0
5	Generalized classical Ritz method for modeling geometrically nonlinear flexible multibody systems having a general topology. <i>International Journal of Mechanical Sciences</i> , 2020, 181, 105687.	6.7	7
6	Nonlinear structural analysis of a flexible multibody system using the classical Rayleigh-Ritz method. <i>International Journal of Non-Linear Mechanics</i> , 2019, 110, 69-80.	2.6	6
7	Shape optimization of bowtie-shaped auxetic structures using beam theory. <i>Composite Structures</i> , 2019, 224, 111020.	5.8	22
8	Nonlinear Piezoelectric Energy Harvester with Ball Tip Mass. <i>Sensors and Actuators A: Physical</i> , 2018, 277, 124-133.	4.1	15
9	Segmented impact-type piezoelectric energy harvester for self-start impedance matching circuit. <i>Smart Materials and Structures</i> , 2018, 27, 114006.	3.5	6
10	A Bending-Type Piezoelectric Energy Harvester with a Displacement-Amplifying Mechanism for Smart Highways. <i>Journal of the Korean Physical Society</i> , 2018, 73, 330-337.	0.7	21
11	Electromechanical modeling and power performance analysis of a piezoelectric energy harvester having an attached mass and a segmented piezoelectric layer. <i>Smart Materials and Structures</i> , 2017, 26, 035035.	3.5	18
12	Flexibility modeling of a beam undergoing large deflection using the assumed mode method. <i>International Journal of Mechanical Sciences</i> , 2017, 133, 611-618.	6.7	19
13	Piezoelectric energy harvesting system with magnetic pendulum movement for self-powered safety sensor of trains. <i>Sensors and Actuators A: Physical</i> , 2016, 250, 210-218.	4.1	51