

# Byung Chang Jung

## List of Publications by Year in descending order

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15  
papers

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citations

1307594

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1125743

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15  
docs citations

15  
times ranked

196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust segment-type energy harvester and its application to a wireless sensor. Smart Materials and Structures, 2009, 18, 095021.	3.5	71
2	A hierarchical framework for statistical model calibration in engineering product development. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 1421-1431.	6.6	66
3	Hierarchical model calibration for designing piezoelectric energy harvester in the presence of variability in material properties and geometry. Structural and Multidisciplinary Optimization, 2016, 53, 161-173.	3.5	37
4	A framework of model validation and virtual product qualification with limited experimental data based on statistical inference. Structural and Multidisciplinary Optimization, 2015, 51, 573-583.	3.5	30
5	Random field modeling with insufficient field data for probability analysis and design. Structural and Multidisciplinary Optimization, 2015, 51, 599-611.	3.5	13
6	Optimal Design of Constrained-Layer Damping Structures Considering Material and Operational Condition Variability. AIAA Journal, 2009, 47, 2985-2995.	2.6	8
7	A systematic approach for model refinement considering blind and recognized uncertainties in engineered product development. Structural and Multidisciplinary Optimization, 2016, 54, 1527-1541.	3.5	8
8	A Self-Powered, Threshold-Based Wireless Sensor for the Detection of Floor Vibrations. Sensors, 2018, 18, 4276.	3.8	7
9	Development of Hybrid Vibration Isolator by Inertial-Type Actuator and Wire Mesh Mount. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1356-1367.	5.8	6
10	Computational Analysis of the Performance of a Vertical Axis Turbine in a Water Pipe. Energies, 2019, 12, 3998.	3.1	6
11	Double Acting Compression Mechanism (DACM) for Piezoelectric Vibration Energy Harvesting in 33-Mode Operation. International Journal of Precision Engineering and Manufacturing - Green Technology, 2019, 6, 681-690.	4.9	4
12	Development of a wireless measurement system for ship vibration in a sea trial. Noise Control Engineering Journal, 2018, 66, 287-299.	0.3	1
13	SVM-based Damage Detection Technique Using Smart Valves in a Pipeline System. Transactions of the Korean Society of Mechanical Engineers, A, 2021, 45, 1019-1028.	0.2	1
14	A Response-Adaptive Method for Design of Validation Experiments in Computational Mechanics. Applied Sciences (Switzerland), 2020, 10, 647.	2.5	0
15	Development of Autonomous Recovery System for Pipeline of Naval Ships by Using a Multistage Control Algorithm. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1150-1161.	5.8	0