Sang-Myeong Kim

List of Publications by Year
in descending order

22	428	933447 10	713466 21
papers	citations	h-index	g-index

22	22	22	330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Active control of harmonic sound transmission into an acoustic enclosure using both structural and acoustic actuators. Journal of the Acoustical Society of America, 2000, 107, 2523-2534.	1.1	73
2	Decentralized control for multichannel active vibration isolation. IEEE Transactions on Control Systems Technology, 2001, 9, 93-100.	5.2	71
3	Dynamic analysis and optimal design of a passive and an active piezo-electrical dynamic vibration absorber. Journal of Sound and Vibration, 2011, 330, 603-614.	3.9	43
4	On the externalization of virtual sound images in headphone reproduction: A Wiener filter approach. Journal of the Acoustical Society of America, 2005, 117, 3657-3665.	1.1	31
5	Active Vibration Isolation Using an Electrical Damper or an Electrical Dynamic Absorber. IEEE Transactions on Control Systems Technology, 2008, 16, 245-254.	5.2	29
6	A modal filter approach to non-collocated vibration control of structures. Journal of Sound and Vibration, 2013, 332, 2207-2221.	3.9	27
7	Lumped Element Modeling of a Flexible Manipulator System. IEEE/ASME Transactions on Mechatronics, 2015, 20, 967-974.	5.8	26
8	Comparison of negative and positive position feedback control of a flexible structure. Smart Materials and Structures, 2011, 20, 015011.	3.5	23
9	Optimal and robust modal control of a flexible structure using an active dynamic vibration absorber. Smart Materials and Structures, 2011, 20, 045003.	3.5	22
10	Active vibration control using delayed resonant feedback. Smart Materials and Structures, 2013, 22, 095013.	3.5	14
11	A Wiener filter approach to the binaural reproduction of stereo sound. Journal of the Acoustical Society of America, 2003, 114, 3179-3188.	1.1	10
12	FEEDFORWARD AND FEEDBACK CONTROL OF SOUND AND VIBRATIONâ€"A WIENER FILTER APPROACH. Journal of Sound and Vibration, 2001, 246, 281-296.	3.9	9
13	Robust broadband vibration control of a flexible structure using an electrical dynamic absorber. Smart Materials and Structures, 2011, 20, 075002.	3.5	9
14	Demonstration of non-collocated vibration control of a flexible manipulator using electrical dynamic absorbers. Smart Materials and Structures, 2013, 22, 127001.	3.5	9
15	Narrowband feedback for narrowband control of resonant and non-resonant vibration. Mechanical Systems and Signal Processing, 2016, 76-77, 47-57.	8.0	8
16	Practical active control of cavity noise using loop shaping: Two case studies. Applied Acoustics, 2017, 121, 65-73.	3.3	8
17	Modeling and Dynamic Analysis of an Electrical Helmholtz Resonator for Active Control of Resonant Noise. Journal of Vibration and Acoustics, Transactions of the ASME, 2017, 139, .	1.6	5
18	Lumped element modeling of operational structures by inverting the mobility models. Mechanical Systems and Signal Processing, 2014, 49, 106-117.	8.0	4

#	Article	IF	Citations
19	Turning a loudspeaker into an active Helmholtz resonator: Underlying law, principle and design methodology. Journal of Sound and Vibration, 2018, 432, 373-386.	3.9	4
20	Use of a Simple Mechanical Analogy to Analytically Tune the PD Controller of a Flexible Manipulator System. Shock and Vibration, 2018, 2018, 1-15.	0.6	2
21	On the dual side of operational dynamics: A formulation, applications, and implications of the impedance model. Journal of Sound and Vibration, 2016, 364, 207-221.	3.9	1
22	Acoustic Topology Optimization of Noise Barrier by Considering Zwicker's Loudness. , 2010, , .		0