

Sang-Myeong Kim

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

428
citations

933447

10
h-index

713466

21
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all docs

22
docs citations

22
times ranked

330
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Practical active control of cavity noise using loop shaping: Two case studies. Applied Acoustics, 2017, 121, 65-73.	3.3	8
4	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
5	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
6	Narrowband feedback for narrowband control of resonant and non-resonant vibration. Mechanical Systems and Signal Processing, 2016, 76-77, 47-57.	8.0	8
7	Lumped Element Modeling of a Flexible Manipulator System. IEEE/ASME Transactions on Mechatronics, 2015, 20, 967-974.	5.8	26
8	Lumped element modeling of operational structures by inverting the mobility models. Mechanical Systems and Signal Processing, 2014, 49, 106-117.	8.0	4
9	A modal filter approach to non-collocated vibration control of structures. Journal of Sound and Vibration, 2013, 332, 2207-2221.	3.9	27
10	Active vibration control using delayed resonant feedback. Smart Materials and Structures, 2013, 22, 095013.	3.5	14
11	Demonstration of non-collocated vibration control of a flexible manipulator using electrical dynamic absorbers. Smart Materials and Structures, 2013, 22, 127001.	3.5	9
12	Comparison of negative and positive position feedback control of a flexible structure. Smart Materials and Structures, 2011, 20, 015011.	3.5	23
13	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
14	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
15	Robust broadband vibration control of a flexible structure using an electrical dynamic absorber. Smart Materials and Structures, 2011, 20, 075002.	3.5	9
16	Acoustic Topology Optimization of Noise Barrier by Considering Zwicker's Loudness. , 2010, , .		0
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Decentralized control for multichannel active vibration isolation. IEEE Transactions on Control Systems Technology, 2001, 9, 93-100.	5.2	71
21	FEEDFORWARD AND FEEDBACK CONTROL OF SOUND AND VIBRATION—A WIENER FILTER APPROACH. Journal of Sound and Vibration, 2001, 246, 281-296.	3.9	9
22	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