

Sami Karkar

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

464
citations

759233

12
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

471
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband Nonreciprocal Acoustic Propagation Using Programmable Boundary Conditions: From Analytical Modeling to Experimental Implementation. <i>Physical Review Applied</i> , 2019, 12, .	3.8	16
2	Role of the Resonator Geometry on the Pressure Spectrum of Reed Conical Instruments. <i>Acta Acustica United With Acustica</i> , 2019, 105, 368-380.	0.8	3
3	Focal versus distributed temporal cortex activity for speech sound category assignment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1299-E1308.	7.1	36
4	Assessment of the harmonic balance method on a self-oscillating one-degree-of-freedom system with regularized friction. <i>Nonlinear Dynamics</i> , 2018, 92, 961-971.	5.2	2
5	Multi-degree-of-freedom low-frequency electroacoustic absorbers through coupled resonators. <i>Applied Acoustics</i> , 2018, 132, 109-117.	3.3	9
6	One-way energy insulation using time-space modulated structures. <i>Journal of Sound and Vibration</i> , 2018, 429, 162-175.	3.9	14
7	Reflection and transmission of waves incident on time-space modulated media. <i>Physical Review B</i> , 2018, 98, .	3.2	8
8	Broadband Low-Frequency Electroacoustic Absorbers Through Hybrid Sensor-/Shunt-Based Impedance Control. <i>IEEE Transactions on Control Systems Technology</i> , 2017, 25, 63-72.	5.2	34
9	Frequency conversion induced by time-space modulated media. <i>Physical Review B</i> , 2017, 96, .	3.2	26
10	Regularized friction and continuation: Comparison with Coulomb's law. <i>Journal of Sound and Vibration</i> , 2017, 389, 350-363.	3.9	20
11	On the Optimisation of Multi-Degree-of-Freedom Acoustic Impedances of Low-Frequency Electroacoustic Absorbers for Room Modal Equalisation. <i>Acta Acustica United With Acustica</i> , 2017, 103, 1025-1036.	0.8	8
12	Acoustic dispersive prism. <i>Scientific Reports</i> , 2016, 6, 18911.	3.3	32
13	Exploiting the leaky-wave properties of transmission-line metamaterials for single-microphone direction finding. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 3259-3266.	1.1	24
14	Electromagnetic inspired acoustic leaky-wave antenna. , 2016, , .		0
15	Acoustic carpet cloak based on an ultrathin metasurface. <i>Physical Review B</i> , 2016, 94, .	3.2	127
16	On the design of unit-cells for acoustic metasurfaces. , 2015, , .		1
17	Acoustic Leaky-Wave antenna. , 2014, , .		4
18	A comparative study of the harmonic balance method and the orthogonal collocation method on stiff nonlinear systems. <i>Journal of Sound and Vibration</i> , 2014, 333, 2554-2567.	3.9	30

#	ARTICLE	IF	CITATIONS
19	A high-order, purely frequency based harmonic balance formulation for continuation of periodic solutions: The case of non-polynomial nonlinearities. Journal of Sound and Vibration, 2013, 332, 968-977.	3.9	51
20	Oscillation threshold of a clarinet model: A numerical continuation approach. Journal of the Acoustical Society of America, 2012, 131, 698-707.	1.1	18