

Chengzhi Shi

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,418
citations

567281

15
h-index

752698

20
g-index

27
all docs

27
docs citations

27
times ranked

1513
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme material parameters accessible by active acoustic metamaterials with Willis coupling. Journal of the Acoustical Society of America, 2022, 151, 1722-1729.	1.1	7
2	Bit Whisperer: Enabling Ad-hoc, Short-range, Walk-Up-and-Share Data Transmissions via Surface-restricted Acoustics. , 2021, , .		1
3	PT symmetric dynamics in counter-rotating gyroscopic mechanical systems. AIP Advances, 2021, 11, 125224.	1.3	0
4	Editorial: Developments in Acoustic, Phononic, and Mechanical Materials for Wave Control. Frontiers in Mechanical Engineering, 2021, 7, .	1.8	0
5	Beamforming with transformation acoustics in anisotropic media. Applied Physics Letters, 2020, 117, 011907.	3.3	0
6	Non-Hermitian Complementary Acoustic Metamaterials for Imaging Through Skull With Imperfections. Frontiers in Mechanical Engineering, 2020, 6, .	1.8	5
7	Nonresonant Metasurface for Fast Decoding in Acoustic Communications. Physical Review Applied, 2020, 13, .	3.8	27
8	Direct observation of Klein tunneling in phononic crystals. Science, 2020, 370, 1447-1450.	12.6	73
9	Non-Hermitian complementary acoustic metamaterials for lossy barriers. Applied Physics Letters, 2019, 115, .	3.3	15
10	Experimental Realization of Acoustic Bianisotropic Gratings. Physical Review Applied, 2019, 11, .	3.8	20
11	Observation of acoustic spin. National Science Review, 2019, 6, 707-712.	9.5	76
12	A thin and conformal metasurface for illusion acoustics of rapidly changing profiles. Applied Physics Letters, 2017, 110, .	3.3	65
13	Observation of acoustic Dirac-like cone and double zero refractive index. Nature Communications, 2017, 8, 14871.	12.8	123
14	Reply to Miller: Misunderstanding and mix-up of acoustic and optical communications. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9757-E9758.	7.1	1
15	High-speed acoustic communication by multiplexing orbital angular momentum. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7250-7253.	7.1	220
16	Vibration reduction in a tilting rotor using centrifugal pendulum vibration absorbers. Journal of Sound and Vibration, 2016, 385, 55-68.	3.9	23
17	Accessing the exceptional points of parity-time symmetric acoustics. Nature Communications, 2016, 7, 11110.	12.8	229
18	Vibration mode structure and simplified modelling of cyclically symmetric or rotationally periodic systems. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20140672.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Circulant Matrices and Their Application to Vibration Analysis. Applied Mechanics Reviews, 2014, 66, .	10.1	89
20	Vibration Modes and Natural Frequency Veering in Three-Dimensional, Cyclically Symmetric Centrifugal Pendulum Vibration Absorber Systems. Journal of Vibration and Acoustics, Transactions of the ASME, 2014, 136, .	1.6	20
21	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="script"} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mi mathvariant="script"} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Symmetric Acoustics. Physical Review X, 2014, 4, .	8.9	295
22	Modal structure of centrifugal pendulum vibration absorber systems with multiple cyclically symmetric groups of absorbers. Journal of Sound and Vibration, 2013, 332, 4339-4353.	3.9	30
23	Tuning of centrifugal pendulum vibration absorbers for translational and rotational vibration reduction. Mechanism and Machine Theory, 2013, 66, 56-65.	4.5	53
24	Comparing LQG/LTR and the SDRE Techniques for Hybrid Fully-Connected PLL Network Control. , 2013, , .		0
25	Optimal Tuning of Centrifugal Pendulum Vibration Absorbers. , 2013, , .		1
26	Modal properties and stability of centrifugal pendulum vibration absorber systems with equally spaced, identical absorbers. Journal of Sound and Vibration, 2012, 331, 4807-4824.	3.9	37
27	Vibration Mode Structure of Cyclically Symmetric Centrifugal Pendulum Vibration Absorber Systems. , 2012, , .		0