

HervÃ© Lissek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2607022/publications.pdf>

Version: 2024-02-01

53
papers

1,134
citations

623188

14
h-index

395343

33
g-index

65
all docs

65
docs citations

65
times ranked

1043
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic transmission line metamaterial with negative/zero/positive refractive index. <i>Physical Review B</i> , 2010, 82, .	1.1	161
2	Body part-centered and full body-centered peripersonal space representations. <i>Scientific Reports</i> , 2015, 5, 18603.	1.6	145
3	Acoustic carpet cloak based on an ultrathin metasurface. <i>Physical Review B</i> , 2016, 94, .	1.1	127
4	Full body action remapping of peripersonal space: The case of walking. <i>Neuropsychologia</i> , 2015, 70, 375-384.	0.7	94
5	Constant-pressure sound waves in non-Hermitian disordered media. <i>Nature Physics</i> , 2018, 14, 942-947.	6.5	85
6	Generation of acoustic helical wavefronts using metasurfaces. <i>Physical Review B</i> , 2017, 95, .	1.1	80
7	Electroacoustic absorbers: Bridging the gap between shunt loudspeakers and active sound absorption. <i>Journal of the Acoustical Society of America</i> , 2011, 129, 2968-2978.	0.5	71
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.	3.2	34
9	Acoustic dispersive prism. <i>Scientific Reports</i> , 2016, 6, 18911.	1.6	32
10	Audio-visual sensory deprivation degrades visuo-tactile peri-personal space. <i>Consciousness and Cognition</i> , 2018, 61, 61-75.	0.8	29
11	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.	0.5	24
12	Optimization of electroacoustic absorbers by means of designed experiments. <i>Applied Acoustics</i> , 2010, 71, 830-842.	1.7	23
13	Duct modes damping through an adjustable electroacoustic liner under grazing incidence. <i>Journal of Sound and Vibration</i> , 2018, 426, 19-33.	2.1	20
14	Improving Sound Absorption Through Nonlinear Active Electroacoustic Resonators. <i>Physical Review Applied</i> , 2020, 13, .	1.5	16
15	Toward wideband steerable acoustic metasurfaces with arrays of active electroacoustic resonators. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	15
16	Active Acoustic Resonators with Reconfigurable Resonance Frequency, Absorption, and Bandwidth. <i>Physical Review Applied</i> , 2019, 12, .	1.5	15
17	Toward broadband electroacoustic resonators through optimized feedback control strategies. <i>Journal of Sound and Vibration</i> , 2014, 333, 4810-4825.	2.1	13
18	Obtaining Binaural Room Impulse Responses From B-Format Impulse Responses Using Frequency-Dependent Coherence Matching. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011, 19, 396-405.	3.8	12

#	ARTICLE	IF	CITATIONS
19	Observation of Vehicle Axles Through Pass-by Noise: A Strategy of Microphone Array Design. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1654-1664.	4.7	12
20	Investigations on the physical factors influencing the ear canal occlusion effect caused by hearing aids. Acta Acustica United With Acustica, 2014, 100, 527-536.	0.8	11
21	A preliminary study of an isodynamic transducer for use in active acoustic materials. Applied Acoustics, 2003, 64, 917-930.	1.7	9
22	Multi-degree-of-freedom low-frequency electroacoustic absorbers through coupled resonators. Applied Acoustics, 2018, 132, 109-117.	1.7	9
23	Sensorless Electroacoustic Absorbers Through Synthesized Impedance Control for Damping Low-Frequency Modes in Cavities. Acta Acustica United With Acustica, 2016, 102, 696-704.	0.8	9
24	On the Optimisation of Multi-Degree-of-Freedom Acoustic Impedances of Low-Frequency Electroacoustic Absorbers for Room Modal Equalisation. Acta Acustica United With Acustica, 2017, 103, 1025-1036.	0.8	8
25	PID-like active impedance control for electroacoustic resonators to design tunable single-degree-of-freedom sound absorbers. Journal of Sound and Vibration, 2022, 525, 116784.	2.1	8
26	Low frequency sound field reconstruction in a non-rectangular room using a small number of microphones. Acta Acustica, 2020, 4, 5.	0.4	7
27	No need to shout: Effect of signal loudness on sibling communication in barn owls <i>Tyto alba</i> . Ethology, 2017, 123, 419-424.	0.5	6
28	A theory of sound transmission through a clamped curved piezoelectric membrane connected to a negative capacitor. International Journal of Solids and Structures, 2010, 47, 2260-2267.	1.3	5
29	Perception of Auditory Distance in Normal-Hearing and Moderate-to-Profound Hearing-Impaired Listeners. Trends in Hearing, 2019, 23, 233121651988761.	0.7	5
30	Development of a plasma electroacoustic actuator for active noise control applications. Journal Physics D: Applied Physics, 2020, 53, 495202.	1.3	5
31	Pass-by noise acoustic sensing for estimating speed and wheelbase length of two-axle vehicles.. Proceedings of Meetings on Acoustics, 2013, , .	0.3	4
32	Acoustic Leaky-Wave antenna. , 2014, , .		4
33	Objective and Subjective Validation of an Active Control Approach to Reduce the Occlusion Effect in Hearing Aids. Acta Acustica United With Acustica, 2015, 101, 502-509.	0.8	4
34	Effects of Binaural Spatialization in Wireless Microphone Systems for Hearing Aids on Normal-Hearing and Hearing-Impaired Listeners. Trends in Hearing, 2018, 22, 233121651775354.	0.7	4
35	Electroacoustic metamaterials: achieving negative acoustic properties with shunt loudspeakers. Proceedings of Meetings on Acoustics, 2013, , .	0.3	3
36	Design of Remote Quiet Zones Using Spot-Type Sound Reducers. Acta Acustica United With Acustica, 2017, 103, 858-868.	0.8	3

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37	Corona discharge actuator as an active sound absorber under normal and oblique incidence. Acta Acustica, 2022, 6, 5.	0.4	3
38	In flow acoustic characterisation of a 2D active liner with local and non local strategies.. Applied Acoustics, 2022, 191, 108655.	1.7	3
39	Joint Estimation of the Room Geometry and Modes with Compressed Sensing. , 2018, , .		2
40	Intelligibility enhancement of vocal announcements for public address systems: a design for all through a presbycusis pre-compensation filter. , 0, , .		2
41	On the design of unit-cells for acoustic metasurfaces. , 2015, , .		1
42	Dynamic Range Limiting of HRTFs: Principle and Objective evaluation. AES: Journal of the Audio Engineering Society, 2016, 64, 731-739.	0.8	1
43	Acoustic energy harvesting using Electrochemical Double Layer Capacitors: Technical feasibility and performance assessment. , 2016, , .		1
44	Development of leaky-wave antenna applications with acoustics metamaterials: From the acoustic dispersive prism to sound direction finding with a single microphone. , 2017, , .		1
45	Experimental assessment of an active (acoustic) liner prototype in an acoustic flow duct facility. , 2021, , .		1
46	Localization of sound sources in a room with one microphone. , 2017, , .		1
47	<title>Development of active materials with adaptive acoustic impedance</title>. , 2003, , .		0
48	Transmission line based metamaterials for acoustic waves. , 2011, , .		0
49	Design of a built-in electroacoustic resonator for active noise reduction. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
50	Optimization of electroacoustic resonators for semi-active room equalization in the low-frequency range. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
51	Electromagnetic inspired acoustic leaky-wave antenna. , 2016, , .		0
52	Constant pressure sound waves in non-Hermitian disordered media. , 2018, , .		0
53	Numerical Optimization of Liner Impedance in Acoustic Duct. , 2020, , .		0