

# 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	Corona discharge actuator as an active sound absorber under normal and oblique incidence. Acta Acustica, 2022, 6, 5.	0.4	3
2	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
3	In flow acoustic characterisation of a 2D active liner with local and non local strategies.. Applied Acoustics, 2022, 191, 108655.	1.7	3
4	Experimental assessment of an active (acoustic) liner prototype in an acoustic flow duct facility. , 2021, , .		1
5	Improving Sound Absorption Through Nonlinear Active Electroacoustic Resonators. Physical Review Applied, 2020, 13, .	1.5	16
6	Low frequency sound field reconstruction in a non-rectangular room using a small number of microphones. Acta Acustica, 2020, 4, 5.	0.4	7
7	Development of a plasma electroacoustic actuator for active noise control applications. Journal Physics D: Applied Physics, 2020, 53, 495202.	1.3	5
8	Numerical Optimization of Liner Impedance in Acoustic Duct. , 2020, , .		0
9	Active Acoustic Resonators with Reconfigurable Resonance Frequency, Absorption, and Bandwidth. Physical Review Applied, 2019, 12, .	1.5	15
10	Perception of Auditory Distance in Normal-Hearing and Moderate-to-Profound Hearing-Impaired Listeners. Trends in Hearing, 2019, 23, 233121651988761.	0.7	5
11	Toward wideband steerable acoustic metasurfaces with arrays of active electroacoustic resonators. Journal of Applied Physics, 2018, 123, .	1.1	15
12	Duct modes damping through an adjustable electroacoustic liner under grazing incidence. Journal of Sound and Vibration, 2018, 426, 19-33.	2.1	20
13	Audio-visual sensory deprivation degrades visuo-tactile peri-personal space. Consciousness and Cognition, 2018, 61, 61-75.	0.8	29
14	Multi-degree-of-freedom low-frequency electroacoustic absorbers through coupled resonators. Applied Acoustics, 2018, 132, 109-117.	1.7	9
15	Joint Estimation of the Room Geometry and Modes with Compressed Sensing. , 2018, , .		2
16	Constant-pressure sound waves in non-Hermitian disordered media. Nature Physics, 2018, 14, 942-947.	6.5	85
17	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
18	Constant pressure sound waves in non-Hermitian disordered media. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Broadband Low-Frequency Electroacoustic Absorbers Through Hybrid Sensor-/Shunt-Based Impedance Control. IEEE Transactions on Control Systems Technology, 2017, 25, 63-72.	3.2	34
20	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
21	Generation of acoustic helical wavefronts using metasurfaces. Physical Review B, 2017, 95, .	1.1	80
22	Development of leaky-wave antenna applications with acoustics metamaterials: From the acoustic dispersive prism to sound direction finding with a single microphone. , 2017, , .		1
23	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
24	Design of Remote Quiet Zones Using Spot-Type Sound Reducers. Acta Acustica United With Acustica, 2017, 103, 858-868.	0.8	3
25	Localization of sound sources in a room with one microphone. , 2017, , .		1
26	Dynamic Range Limiting of HRTFs: Principle and Objective evaluation. AES: Journal of the Audio Engineering Society, 2016, 64, 731-739.	0.8	1
27	Acoustic dispersive prism. Scientific Reports, 2016, 6, 18911.	1.6	32
28	Exploiting the leaky-wave properties of transmission-line metamaterials for single-microphone direction finding. Journal of the Acoustical Society of America, 2016, 139, 3259-3266.	0.5	24
29	Acoustic energy harvesting using Electrochemical Double Layer Capacitors: Technical feasibility and performance assessment. , 2016, , .		1
30	Electromagnetic inspired acoustic leaky-wave antenna. , 2016, , .		0
31	Acoustic carpet cloak based on an ultrathin metasurface. Physical Review B, 2016, 94, .	1.1	127
32	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
33	On the design of unit-cells for acoustic metasurfaces. , 2015, , .		1
34	Body part-centered and full body-centered peripersonal space representations. Scientific Reports, 2015, 5, 18603.	1.6	145
35	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
36	Full body action remapping of peripersonal space: The case of walking. Neuropsychologia, 2015, 70, 375-384.	0.7	94

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37	Acoustic Leaky-Wave antenna. , 2014, , .		4
38	Toward broadband electroacoustic resonators through optimized feedback control strategies. Journal of Sound and Vibration, 2014, 333, 4810-4825.	2.1	13
39	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
40	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
41	Design of a built-in electroacoustic resonator for active noise reduction. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
42	Pass-by noise acoustic sensing for estimating speed and wheelbase length of two-axle vehicles.. Proceedings of Meetings on Acoustics, 2013, , .	0.3	4
43	Electroacoustic metamaterials: achieving negative acoustic properties with shunt loudspeakers. Proceedings of Meetings on Acoustics, 2013, , .	0.3	3
44	Optimization of electroacoustic resonators for semi-active room equalization in the low-frequency range. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
45	Transmission line based metamaterials for acoustic waves. , 2011, , .		0
46	Obtaining Binaural Room Impulse Responses From B-Format Impulse Responses Using Frequency-Dependent Coherence Matching. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 396-405.	3.8	12
47	Electroacoustic absorbers: Bridging the gap between shunt loudspeakers and active sound absorption. Journal of the Acoustical Society of America, 2011, 129, 2968-2978.	0.5	71
48	Optimization of electroacoustic absorbers by means of designed experiments. Applied Acoustics, 2010, 71, 830-842.	1.7	23
49	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
50	Acoustic transmission line metamaterial with negative/zero/positive refractive index. Physical Review B, 2010, 82, .	1.1	161
51	A preliminary study of an isodynamic transducer for use in active acoustic materials. Applied Acoustics, 2003, 64, 917-930.	1.7	9
52	<title>Development of active materials with adaptive acoustic impedance</title>. , 2003, , .		0
53	Intelligibility enhancement of vocal announcements for public address systems: a design for all through a presbycusis pre-compensation filter. , 0, , .		2