

Jesko L Verhey

List of Publications by Year in descending order

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108
papers

1,391
citations

430442

18
h-index

414034

32
g-index

115
all docs

115
docs citations

115
times ranked

655
citing authors

#	ARTICLE	IF	CITATIONS
1	The psychophysics and physiology of comodulation masking release. <i>Experimental Brain Research</i> , 2003, 153, 405-417.	0.7	96
2	Intrinsic envelope fluctuations and modulation-detection thresholds for narrow-band noise carriers. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 2752-2760.	0.5	93
3	Within-channel cues in comodulation masking release (CMR): Experiments and model predictions using a modulation-filterbank model. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 2733-2745.	0.5	90
4	Spectro-temporal processing in the envelope-frequency domain. <i>Journal of the Acoustical Society of America</i> , 2002, 112, 2921-2931.	0.5	76
5	<i>Journal of the Acoustical Society of America</i> , 2010, 128, 1870-1883.	0.5	55
6	Responses of Dorsal Cochlear Nucleus Neurons to Signals in the Presence of Modulated Maskers. <i>Journal of Neuroscience</i> , 2004, 24, 5789-5797.	1.7	45
7	Spectral loudness summation as a function of duration. <i>Journal of the Acoustical Society of America</i> , 2002, 111, 1349-1358.	0.5	37
8	Fast Hearing-Threshold Estimation Using Multiple Auditory Steady-State Responses with Narrow-Band Chirps and Adaptive Stimulus Patterns. <i>Scientific World Journal</i> , The, 2012, 2012, 1-7.	0.8	36
9	Auditory brainstem responses to broad-band chirps: Amplitude growth functions in sedated and anaesthetised infants. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2013, 77, 49-53.	0.4	32
10	Spectral loudness summation for short and long signals as a function of level. <i>Journal of the Acoustical Society of America</i> , 2006, 119, 2919-2928.	0.5	30
11	Comparison of loudness models for time-varying sounds. <i>Acta Acustica United With Acustica</i> , 2010, 96, 383-396.	0.8	30
12	Spatial dissociation of changes of level and signal-to-noise ratio in auditory cortex for tones in noise. <i>NeuroImage</i> , 2008, 43, 321-328.	2.1	28
13	Increased intensity discrimination thresholds in tinnitus subjects with a normal audiogram. <i>Journal of the Acoustical Society of America</i> , 2012, 132, EL196-EL201.	0.5	28
14	40-Hz multiple auditory steady-state responses to narrow-band chirps in sedated and anaesthetized infants. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2014, 78, 762-768.	0.4	28
15	Role of suppression and retro-cochlear processes in comodulation masking release. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 3843-3852.	0.5	25
16	Spectro-Temporal Weighting of Loudness. <i>PLoS ONE</i> , 2012, 7, e50184.	1.1	24
17	Relation between loudness in categorical units and loudness in phons and sones. <i>Journal of the Acoustical Society of America</i> , 2013, 133, EL314-EL319.	0.5	21
18	Modeling Temporal Effects of Spectral Loudness Summation. <i>Acta Acustica United With Acustica</i> , 2009, 95, 1112-1122.	0.8	21

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19	Modulation masking produced by complex tone modulators. <i>Journal of the Acoustical Society of America</i> , 2003, 114, 2135-2146.	0.5	19
20	Peripheral and central aspects of auditory cross-frequency processing. <i>Brain Research</i> , 2008, 1220, 246-255.	1.1	19
21	The Magnitude of Tonal Content. A Review. <i>Acta Acustica United With Acustica</i> , 2011, 97, 355-363.	0.8	19
22	Thermo-acoustic performance of full engine encapsulations – A numerical, experimental and psychoacoustic study. <i>Applied Acoustics</i> , 2016, 102, 79-87.	1.7	19
23	Modeling the influence of inherent envelope fluctuations in simultaneous masking experiments. <i>Journal of the Acoustical Society of America</i> , 2002, 111, 1018-1025.	0.5	18
24	Monaural and binaural frequency selectivity in hearing-impaired subjects. <i>International Journal of Audiology</i> , 2010, 49, 357-367.	0.9	18
25	Suppression and comodulation masking release in normal-hearing and hearing-impaired listeners. <i>Journal of the Acoustical Society of America</i> , 2010, 128, 300-309.	0.5	18
26	The role of the auditory periphery in comodulation detection difference and comodulation masking release. <i>Biological Cybernetics</i> , 2007, 97, 397-411.	0.6	17
27	Automatic screening and detection of threshold fine structure. <i>International Journal of Audiology</i> , 2008, 47, 520-532.	0.9	17
28	Loudness of Speech and Speech-Like Signals. <i>Acta Acustica United With Acustica</i> , 2013, 99, 268-282.	0.8	16
29	Temporal weighting in loudness of broadband and narrowband signals. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 951-954.	0.5	15
30	Superposition of masking releases. <i>Journal of Computational Neuroscience</i> , 2009, 26, 393-407.	0.6	15
31	Cortical representation of release from auditory masking. <i>NeuroImage</i> , 2010, 49, 835-842.	2.1	14
32	The role of across-frequency processes in dichotic listening conditions. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 3188-3198.	0.5	13
33	Modulation cues influence binaural masking-level difference in masking-pattern experiments. <i>Journal of the Acoustical Society of America</i> , 2012, 131, EL223-EL228.	0.5	13
34	Objective measures of binaural masking level differences and comodulation masking release based on late auditory evoked potentials. <i>Hearing Research</i> , 2013, 306, 21-28.	0.9	13
35	Modelling detection thresholds for sounds repeated at different delays. <i>Hearing Research</i> , 2013, 296, 83-95.	0.9	12
36	Temporal weights in the perception of sound intensity: Effects of sound duration and number of temporal segments. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 943-953.	0.5	12

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37	Comparison of the lattice-Boltzmann model with the finite-difference time-domain method for electrodynamics. <i>Physical Review E</i> , 2019, 99, 033301.	0.8	12
38	Spectral loudness summation as a function of duration for hearing-impaired listeners. <i>International Journal of Audiology</i> , 2006, 45, 287-294.	0.9	11
39	Combination of masking releases for different center frequencies and masker amplitude statistics. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 2479-2489.	0.5	11
40	Comodulation masking release for regular and irregular modulators. <i>Hearing Research</i> , 2009, 253, 97-106.	0.9	11
41	Temporal Representation of the Delay of Iterated Rippled Noise in the Dorsal Cochlear Nucleus. <i>Journal of Neurophysiology</i> , 2005, 93, 2766-2776.	0.9	10
42	Suprathreshold Perception of Tonal Components in Noise Under Conditions of Masking Release. <i>Acta Acustica United With Acustica</i> , 2012, 98, 451-460.	0.8	9
43	Binaural notched-noise masking and auditory-filter shape. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 2262-2271.	0.5	9
44	Modeling Temporal Integration of Loudness. <i>Acta Acustica United With Acustica</i> , 2014, 100, 184-187.	0.8	9
45	Spectro-Temporal Characteristics Affecting the Loudness of Technical Sounds: Data and Model Predictions. <i>Acta Acustica United With Acustica</i> , 2015, 101, 1145-1156.	0.8	9
46	Harmony Perception in Prelingually Deaf, Juvenile Cochlear Implant Users. <i>Frontiers in Neuroscience</i> , 2019, 13, 466.	1.4	9
47	Spectral loudness summation for sequences of short noise bursts. <i>Journal of the Acoustical Society of America</i> , 2008, 123, 925-934.	0.5	8
48	Loudness of subcritical sounds as a function of bandwidth, center frequency, and level. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 1313-1320.	0.5	8
49	Role of the Duration of Sharpness in the Perceived Quality of Impulsive Vehicle Sounds. <i>Acta Acustica United With Acustica</i> , 2016, 102, 119-128.	0.8	8
50	Rebound depolarization in single units of the ventral cochlear nucleus: A contribution to grouping by common onset?. <i>Neuroscience</i> , 2008, 154, 139-146.	1.1	7
51	Threshold fine structure affects amplitude modulation perception. <i>Journal of the Acoustical Society of America</i> , 2009, 125, EL33-EL38.	0.5	7
52	Spectral loudness summation of nonsimultaneous tone pulses. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 3905-3915.	0.5	7
53	Loudness of complex time-varying sounds ? A challenge for current loudness models. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	7
54	Spectro-temporal modulation masking patterns reveal frequency selectivity. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 714-723.	0.5	7

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55	Influence parameters on the perceived magnitude of tonal content of electric vehicle interior sounds. <i>Applied Acoustics</i> , 2021, 181, 108155.	1.7	7
56	Sorted averaging improves quality of auditory steady-state responses. <i>Journal of Neuroscience Methods</i> , 2013, 216, 28-32.	1.3	6
57	Direction-specific adaptation of motion-onset auditory evoked potentials. <i>European Journal of Neuroscience</i> , 2013, 38, 2557-2565.	1.2	6
58	Perceptual space, pleasantness and periodicity of multi-tone sounds. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 288-298.	0.5	6
59	Effect of efferent activation on binaural frequency selectivity. <i>Hearing Research</i> , 2017, 350, 152-159.	0.9	6
60	Stable lattice Boltzmann model for Maxwell equations in media. <i>Physical Review E</i> , 2017, 96, 063306.	0.8	6
61	Binaural frequency selectivity in humans. <i>European Journal of Neuroscience</i> , 2020, 51, 1179-1190.	1.2	6
62	Spectral integration of infrasound at threshold. <i>Journal of the Acoustical Society of America</i> , 2020, 147, EL259-EL263.	0.5	6
63	The temporal representation of the delay of iterated rippled noise with positive or negative gain by chopper units in the cochlear nucleus. <i>Hearing Research</i> , 2006, 216-217, 43-51.	0.9	5
64	Investigating possible mechanisms behind the effect of threshold fine structure on amplitude modulation perception. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 2490-2500.	0.5	5
65	Effects of sequential streaming on auditory masking using psychoacoustics and auditory evoked potentials. <i>Hearing Research</i> , 2012, 285, 77-85.	0.9	5
66	Comodulation masking release in the inferior colliculus by combined signal enhancement and masker reduction. <i>Journal of Neurophysiology</i> , 2017, 117, 853-867.	0.9	5
67	Categorical scaling of partial loudness in a condition of masking release. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 904-915.	0.5	4
68	Characteristics of spectro-temporal modulation frequency selectivity in humans. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 1887-1895.	0.5	4
69	MODELING ACROSS-FREQUENCY PROCESSING OF AMPLITUDE MODULATION. , 1999, , 229-234.		4
70	Is infrasound perceived by the auditory system through distortions?. <i>Acta Acustica</i> , 2021, 5, 4.	0.4	4
71	Pleasantness and magnitude of tonal content of electric vehicle interior sounds containing subharmonics. <i>Applied Acoustics</i> , 2022, 185, 108442.	1.7	4
72	Temporal resolution and temporal integration. , 2010, , .		3

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73	Cortical Representation of the Combination of Monaural and Binaural Unmasking. <i>Advances in Experimental Medicine and Biology</i> , 2013, 787, 435-442.	0.8	3
74	Masking Release for Sweeping Masker Components with Correlated Envelopes. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2013, 14, 139-147.	0.9	3
75	Loudness of sounds with a subcritical bandwidth: A challenge to current loudness models?. <i>Journal of the Acoustical Society of America</i> , 2013, 134, EL334-EL339.	0.5	3
76	Absence of direction-specific cross-modal visual-auditory adaptation in motion-onset event-related potentials. <i>European Journal of Neuroscience</i> , 2016, 43, 66-77.	1.2	3
77	Auditory sensitivity in survivors of torture, political violence and flight—An exploratory study on risks and opportunities of music therapy. <i>Arts in Psychotherapy</i> , 2018, 58, 33-41.	0.6	3
78	Simultaneous acquisition of 40- and 80-Hz auditory steady-state responses for a direct comparison of response amplitude, residual noise and signal-to-noise ratio. <i>European Archives of Oto-Rhino-Laryngology</i> , 2018, 275, 2601-2605.	0.8	3
79	Temporal weights in loudness: Investigation of the effects of background noise and sound level. <i>PLoS ONE</i> , 2019, 14, e0223075.	1.1	3
80	Cochlear Fine Structure—Implications for Modulation Processing at the Level of the Cochlea. , 2011, , .		2
81	Effect of duration and gating of the signal on the binaural masking level difference for narrowband and broadband maskers. <i>Journal of the Acoustical Society of America</i> , 2017, 142, EL258-EL263.	0.5	2
82	A Nonlinear Transmission Line Model of the Cochlea With Temporal Integration Accounts for Duration Effects in Threshold Fine Structure. <i>Acta Acustica United With Acustica</i> , 2017, 103, 721-724.	0.8	2
83	On the Pitch Strength of Bandpass Noise in Normal-Hearing and Hearing-Impaired Listeners. <i>Trends in Hearing</i> , 2018, 22, 233121651878706.	0.7	2
84	Evaluation of a model of temporal weights in loudness judgments. <i>Journal of the Acoustical Society of America</i> , 2018, 144, EL119-EL124.	0.5	2
85	The effect of silent gaps on temporal weights in loudness judgments. <i>Hearing Research</i> , 2020, 395, 108028.	0.9	2
86	Effect of Contralateral Noise on Speech Intelligibility. <i>Neuroscience</i> , 2021, 459, 59-69.	1.1	2
87	Interaction of Object Binding Cues in Binaural Masking Pattern Experiments. <i>Advances in Experimental Medicine and Biology</i> , 2016, 894, 249-256.	0.8	2
88	Off-Frequency BMLD: The Role of Monaural Processing. <i>Advances in Experimental Medicine and Biology</i> , 2013, 787, 293-301.	0.8	1
89	Can Comodulation Masking Release Occur When Frequency Changes Could Promote Perceptual Segregation of the On-Frequency and Flanking Bands?. <i>Advances in Experimental Medicine and Biology</i> , 2013, 787, 475-482.	0.8	1
90	Binaural spectral resolution as a function of interaural masker correlation. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 1993-2001.	0.5	1

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91	Comodulation masking release in an off-frequency masking paradigm. Journal of the Acoustical Society of America, 2015, 138, 1194-1205.	0.5	1
92	Mid-bandwidth loudness depression in hearing-impaired listeners. Journal of the Acoustical Society of America, 2016, 139, 2334-2341.	0.5	1
93	Modeling off-frequency binaural masking for short- and long-duration signals. Journal of the Acoustical Society of America, 2017, 142, EL205-EL210.	0.5	1
94	Comodulation detection difference and binaural unmasking. Journal of the Acoustical Society of America, 2019, 146, EL106-EL110.	0.5	1
95	Comodulation masking release with random variations of flanking-band center frequencies. Journal of the Acoustical Society of America, 2020, 148, 692-700.	0.5	1
96	Temporal Loudness Weights Are Frequency Specific. Frontiers in Psychology, 2021, 12, 588571.	1.1	1
97	Suprathreshold perception under a masking release condition using categorical scaling. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
98	Modeling comodulation masking release (CMR) effects with a single-channel analysis. Journal of the Acoustical Society of America, 1996, 100, 2625-2625.	0.5	1
99	Rumbling, humming, booming " Perception of vehicle interior noise at low engine speeds. Applied Acoustics, 2022, 197, 108915.	1.7	1
100	Temporal integration near threshold fine structure - The role of cochlear processing. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
101	Interaural-phase discrimination in notched noise. Journal of the Acoustical Society of America, 2014, 136, 2367-2369.	0.5	0
102	On the influence of sensorineural hearing loss on the pitch strength of bandpass noise. Proceedings of Meetings on Acoustics, 2016, , .	0.3	0
103	A notched-noise precursor affects both diotic and dichotic notched-noise masking. Acta Acustica, 2021, 5, 43.	0.4	0
104	Spectral loudness summation: from the 60s to the present. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
105	TEMPORAL ASPECTS OF LOUDNESS SUMMATION. , 1999, , 97-100.		0
106	Modelling suppression and comodulation masking release using the dual-resonance nonlinear filter. JASA Express Letters, 2022, 2, 014401.	0.5	0
107	Temporal loudness weights: Primacy effects, loudness dominance and their interaction. PLoS ONE, 2021, 16, e0261001.	1.1	0
108	Simulation of cochlea implant stimulation considering dispersive properties of the environment. Journal of Applied Physics, 2022, 131, 144701.	1.1	0