Jesko L Verhey

List of Publications by Year
in descending order

108 papers	1,391 citations	430874 18 h-index	414414 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. Experimental Brain Research, 2003, 153, 405-417.	1.5	96
2	Intrinsic envelope fluctuations and modulation-detection thresholds for narrow-band noise carriers. Journal of the Acoustical Society of America, 1999, 106, 2752-2760.	1.1	93
3	Within-channel cues in comodulation masking release (CMR): Experiments and model predictions using a modulation-filterbank model. Journal of the Acoustical Society of America, 1999, 106, 2733-2745.	1.1	90
4	Spectro-temporal processing in the envelope-frequency domain. Journal of the Acoustical Society of America, 2002, 112, 2921-2931.	1.1	76
5	Journal of the Acoustical Society of America, 2010, 128, 1870-1883.	1.1	55
6	Responses of Dorsal Cochlear Nucleus Neurons to Signals in the Presence of Modulated Maskers. Journal of Neuroscience, 2004, 24, 5789-5797.	3.6	45
7	Spectral loudness summation as a function of duration. Journal of the Acoustical Society of America, 2002, 111, 1349-1358.	1.1	37
8	Fast Hearing-Threshold Estimation Using Multiple Auditory Steady-State Responses with Narrow-Band Chirps and Adaptive Stimulus Patterns. Scientific World Journal, The, 2012, 2012, 1-7.	2.1	36
9	Auditory brainstem responses to broad-band chirps: Amplitude growth functions in sedated and anaesthetised infants. International Journal of Pediatric Otorhinolaryngology, 2013, 77, 49-53.	1.0	32
10	Spectral loudness summation for short and long signals as a function of level. Journal of the Acoustical Society of America, 2006, 119, 2919-2928.	1.1	30
11	Comparison of loudness models for time-varying sounds. Acta Acustica United With Acustica, 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. NeuroImage, 2008, 43, 321-328.	4.2	28
13	Increased intensity discrimination thresholds in tinnitus subjects with a normal audiogram. Journal of the Acoustical Society of America, 2012, 132, EL196-EL201.	1.1	28
14	40-Hz multiple auditory steady-state responses to narrow-band chirps in sedated and anaesthetized infants. International Journal of Pediatric Otorhinolaryngology, 2014, 78, 762-768.	1.0	28
15	Role of suppression and retro-cochlear processes in comodulation masking release. Journal of the Acoustical Society of America, 2006, 120, 3843-3852.	1.1	25
16	Spectro-Temporal Weighting of Loudness. PLoS ONE, 2012, 7, e50184.	2.5	24
17	Relation between loudness in categorical units and loudness in phons and sones. Journal of the Acoustical Society of America, 2013, 133, EL314-EL319.	1.1	21
18	Modeling Temporal Effects of Spectral Loudness Summation. Acta Acustica United With Acustica, 2009, 95, 1112-1122.	0.8	21

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19	Modulation masking produced by complex tone modulators. Journal of the Acoustical Society of America, 2003, 114, 2135-2146.	1.1	19
20	Peripheral and central aspects of auditory across-frequency processing. Brain Research, 2008, 1220, 246-255.	2.2	19
21	The Magnitude of Tonal Content. A Review. Acta Acustica United With Acustica, 2011, 97, 355-363.	0.8	19
22	Thermo-acoustic performance of full engine encapsulations â€“ A numerical, experimental and psychoacoustic study. Applied Acoustics, 2016, 102, 79-87.	3.3	19
23	Modeling the influence of inherent envelope fluctuations in simultaneous masking experiments. Journal of the Acoustical Society of America, 2002, 111, 1018-1025.	1.1	18
24	Monaural and binaural frequency selectivity in hearing-impaired subjects. International Journal of Audiology, 2010, 49, 357-367.	1.7	18
25	Suppression and comodulation masking release in normal-hearing and hearing-impaired listeners. Journal of the Acoustical Society of America, 2010, 128, 300-309.	1.1	18
26	The role of the auditory periphery in comodulation detection difference and comodulation masking release. Biological Cybernetics, 2007, 97, 397-411.	1.3	17
27	Automatic screening and detection of threshold fine structure. International Journal of Audiology, 2008, 47, 520-532.	1.7	17
28	Loudness of Speech and Speech-Like Signals. Acta Acustica United With Acustica, 2013, 99, 268-282.	0.8	16
29	Temporal weighting in loudness of broadband and narrowband signals. Journal of the Acoustical Society of America, 2009, 126, 951-954.	1.1	15
30	Superposition of masking releases. Journal of Computational Neuroscience, 2009, 26, 393-407.	1.0	15
31	Cortical representation of release from auditory masking. NeuroImage, 2010, 49, 835-842.	4.2	14
32	The role of across-frequency processes in dichotic listening conditions. Journal of the Acoustical Society of America, 2009, 126, 3188-3198.	1.1	13
33	Modulation cues influence binaural masking-level difference in masking-pattern experiments. Journal of the Acoustical Society of America, 2012, 131, EL223-EL228.	1.1	13
34	Objective measures of binaural masking level differences and comodulation masking release based on late auditory evoked potentials. Hearing Research, 2013, 306, 21-28.	2.0	13
35	Modelling detection thresholds for sounds repeated at different delays. Hearing Research, 2013, 296, 83-95.	2.0	12
36	Temporal weights in the perception of sound intensity: Effects of sound duration and number of temporal segments. Journal of the Acoustical Society of America, 2018, 143, 943-953.	1.1	12

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37	Comparison of the lattice-Boltzmann model with the finite-difference time-domain method for electrodynamics. Physical Review E, 2019, 99, 033301.	2.1	12
38	Spectral loudness summation as a function of duration for hearing-impaired listeners. International Journal of Audiology, 2006, 45, 287-294.	1.7	11
39	Combination of masking releases for different center frequencies and masker amplitude statistics. Journal of the Acoustical Society of America, 2009, 126, 2479-2489.	1.1	11
40	Comodulation masking release for regular and irregular modulators. Hearing Research, 2009, 253, 97-106.	2.0	11
41	Temporal Representation of the Delay of Iterated Rippled Noise in the Dorsal Cochlear Nucleus. Journal of Neurophysiology, 2005, 93, 2766-2776.	1.8	10
42	Suprathreshold Perception of Tonal Components in Noise Under Conditions of Masking Release. Acta Acustica United With Acustica, 2012, 98, 451-460.	0.8	9
43	Binaural notched-noise masking and auditory-filter shape. Journal of the Acoustical Society of America, 2013, 133, 2262-2271.	1.1	9
44	Modeling Temporal Integration of Loudness. Acta Acustica United With Acustica, 2014, 100, 184-187.	0.8	9
45	Spectro-Temporal Characteristics Affecting the Loudness of Technical Sounds: Data and Model Predictions. Acta Acustica United With Acustica, 2015, 101, 1145-1156.	0.8	9
46	Harmony Perception in Prelingually Deaf, Juvenile Cochlear Implant Users. Frontiers in Neuroscience, 2019, 13, 466.	2.8	9
47	Spectral loudness summation for sequences of short noise bursts. Journal of the Acoustical Society of America, 2008, 123, 925-934.	1.1	8
48	Loudness of subcritical sounds as a function of bandwidth, center frequency, and level. Journal of the Acoustical Society of America, 2014, 135, 1313-1320.	1.1	8
49	Role of the Duration of Sharpness in the Perceived Quality of Impulsive Vehicle Sounds. Acta Acustica United With Acustica, 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?. Neuroscience, 2008, 154, 139-146.	2.3	7
51	Threshold fine structure affects amplitude modulation perception. Journal of the Acoustical Society of America, 2009, 125, EL33-EL38.	1.1	7
52	Spectral loudness summation of nonsimultaneous tone pulses. Journal of the Acoustical Society of America, 2011, 130, 3905-3915.	1.1	7
53	Loudness of complex time-varying sounds ? A challenge for current loudness models. Proceedings of Meetings on Acoustics, 2013, , .	0.3	7
54	Spectro-temporal modulation masking patterns reveal frequency selectivity. Journal of the Acoustical Society of America, 2015, 137, 714-723.	1.1	7

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55	Influence parameters on the perceived magnitude of tonal content of electric vehicle interior sounds. Applied Acoustics, 2021, 181, 108155.	3.3	7
56	Sorted averaging improves quality of auditory steady-state responses. Journal of Neuroscience Methods, 2013, 216, 28-32.	2.5	6
57	Directionâ€specific adaptation of motionâ€onset auditory evoked potentials. European Journal of Neuroscience, 2013, 38, 2557-2565.	2.6	6
58	Perceptual space, pleasantness and periodicity of multi-tone sounds. Journal of the Acoustical Society of America, 2015, 138, 288-298.	1.1	6
59	Effect of efferent activation on binaural frequency selectivity. Hearing Research, 2017, 350, 152-159.	2.0	6
60	Stable lattice Boltzmann model for Maxwell equations in media. Physical Review E, 2017, 96, 063306.	2.1	6
61	Binaural frequency selectivity in humans. European Journal of Neuroscience, 2020, 51, 1179-1190.	2.6	6
62	Spectral integration of infrasound at threshold. Journal of the Acoustical Society of America, 2020, 147, EL259-EL263.	1.1	6
63	The temporal representation of the delay of iterated rippled noise with positive or negative gain by chopper units in the cochlear nucleus. Hearing Research, 2006, 216-217, 43-51.	2.0	5
64	Investigating possible mechanisms behind the effect of threshold fine structure on amplitude modulation perception. Journal of the Acoustical Society of America, 2009, 126, 2490-2500.	1.1	5
65	Effects of sequential streaming on auditory masking using psychoacoustics and auditory evoked potentials. Hearing Research, 2012, 285, 77-85.	2.0	5
66	Comodulation masking release in the inferior colliculus by combined signal enhancement and masker reduction. Journal of Neurophysiology, 2017, 117, 853-867.	1.8	5
67	Categorical scaling of partial loudness in a condition of masking release. Journal of the Acoustical Society of America, 2015, 138, 904-915.	1.1	4
68	Characteristics of spectro-temporal modulation frequency selectivity in humans. Journal of the Acoustical Society of America, 2017, 141, 1887-1895.	1.1	4
69	MODELING ACROSS-FREQUENCY PROCESSING OF AMPLITUDE MODULATION. , 1999, , 229-234.		4
70	Is infrasound perceived by the auditory system through distortions?. Acta Acustica, 2021, 5, 4.	1.0	4
71	Pleasantness and magnitude of tonal content of electric vehicle interior sounds containing subharmonics. Applied Acoustics, 2022, 185, 108442.	3.3	4
72	Temporal resolution and temporal integration. , 2010, , .		3

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73	Cortical Representation of the Combination of Monaural and Binaural Unmasking. Advances in Experimental Medicine and Biology, 2013, 787, 435-442.	1.6	3
74	Masking Release for Sweeping Masker Components with Correlated Envelopes. JARO - Journal of the Association for Research in Otolaryngology, 2013, 14, 139-147.	1.8	3
75	Loudness of sounds with a subcritical bandwidth: A challenge to current loudness models?. Journal of the Acoustical Society of America, 2013, 134, EL334-EL339.	1.1	3
76	Absence of directionâ€specific crossâ€modal visualâ€“auditory adaptation in motionâ€onset eventâ€related potentials. European Journal of Neuroscience, 2016, 43, 66-77.	2.6	3
77	Auditory sensitivity in survivors of torture, political violence and flightâ€”An exploratory study on risks and opportunities of music therapy. Arts in Psychotherapy, 2018, 58, 33-41.	1.2	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. European Archives of Oto-Rhino-Laryngology, 2018, 275, 2601-2605.	1.6	3
79	Temporal weights in loudness: Investigation of the effects of background noise and sound level. PLoS ONE, 2019, 14, e0223075.	2.5	3
80	Cochlear Fine Structureâ€”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. Journal of the Acoustical Society of America, 2017, 142, EL258-EL263.	1.1	2
82	A Nonlinear Transmission Line Model of the Cochlea With Temporal Integration Accounts for Duration Effects in Threshold Fine Structure. Acta Acustica United With Acustica, 2017, 103, 721-724.	0.8	2
83	On the Pitch Strength of Bandpass Noise in Normal-Hearing and Hearing-Impaired Listeners. Trends in Hearing, 2018, 22, 233121651878706.	1.3	2
84	Evaluation of a model of temporal weights in loudness judgments. Journal of the Acoustical Society of America, 2018, 144, EL119-EL124.	1.1	2
85	The effect of silent gaps on temporal weights in loudness judgments. Hearing Research, 2020, 395, 108028.	2.0	2
86	Effect of Contralateral Noise on Speech Intelligibility. Neuroscience, 2021, 459, 59-69.	2.3	2
87	Interaction of Object Binding Cues in Binaural Masking Pattern Experiments. Advances in Experimental Medicine and Biology, 2016, 894, 249-256.	1.6	2
88	Off-Frequency BMLD: The Role of Monaural Processing. Advances in Experimental Medicine and Biology, 2013, 787, 293-301.	1.6	1
89	Can Comodulation Masking Release Occur When Frequency Changes Could Promote Perceptual Segregation of the On-Frequency and Flanking Bands?. Advances in Experimental Medicine and Biology, 2013, 787, 475-482.	1.6	1
90	Binaural spectral resolution as a function of interaural masker correlation. Journal of the Acoustical Society of America, 2014, 135, 1993-2001.	1.1	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.	1.1	1
92	Mid-bandwidth loudness depression in hearing-impaired listeners. Journal of the Acoustical Society of America, 2016, 139, 2334-2341.	1.1	1
93	Modeling off-frequency binaural masking for short- and long-duration signals. Journal of the Acoustical Society of America, 2017, 142, EL205-EL210.	1.1	1
94	Comodulation detection difference and binaural unmasking. Journal of the Acoustical Society of America, 2019, 146, EL106-EL110.	1.1	1
95	Comodulation masking release with random variations of flanking-band center frequencies. Journal of the Acoustical Society of America, 2020, 148, 692-700.	1.1	1
96	Temporal Loudness Weights Are Frequency Specific. Frontiers in Psychology, 2021, 12, 588571.	2.1	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 singleâ€channel analysis. Journal of the Acoustical Society of America, 1996, 100, 2625-2625.	1.1	1
99	Rumbling, humming, booming â€“ Perception of vehicle interior noise at low engine speeds. Applied Acoustics, 2022, 197, 108915.	3.3	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.	1.1	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.	1.0	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.	1.1	0
107	Temporal loudness weights: Primacy effects, loudness dominance and their interaction. PLoS ONE, 2021, 16, e0261001.	2.5	0
108	Simulation of cochlea implant stimulation considering dispersive properties of the environment. Journal of Applied Physics, 2022, 131, 144701.	2.5	0