

Jeroen J Briaire

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

3,103
citations

159585

30
h-index

189892

50
g-index

106
all docs

106
docs citations

106
times ranked

1731
citing authors

#	ARTICLE	IF	CITATIONS
1	The relation between polarity sensitivity and neural degeneration in a computational model of cochlear implant stimulation. <i>Hearing Research</i> , 2022, 415, 108413.	2.0	12
2	Prolonged Insertion Time Reduces Translocation Rate of a Precurved Electrode Array in Cochlear Implantation. <i>Otology and Neurotology</i> , 2022, 43, e427-e434.	1.3	5
3	The effect of stimulus level on excitation patterns of individual electrode contacts in cochlear implants. <i>Hearing Research</i> , 2022, 420, 108490.	2.0	3
4	Short- and long-latency components of the eCAP reveal different refractory properties. <i>Hearing Research</i> , 2022, 420, 108522.	2.0	1
5	Auditory Prosthesis. , 2022, , 310-314.		0
6	An iterative deconvolution model to extract the temporal firing properties of the auditory nerve fibers in human eCAPs. <i>MethodsX</i> , 2021, 8, 101240.	1.6	4
7	Factors Influencing Speech Perception in Adults With a Cochlear Implant. <i>Ear and Hearing</i> , 2021, 42, 949-960.	2.1	25
8	Cost-benefit Analysis of Cochlear Implants: A Societal Perspective. <i>Ear and Hearing</i> , 2021, 42, 1338-1350.	2.1	13
9	Personalizing Transient Noise Reduction Algorithm Settings for Cochlear Implant Users. <i>Ear and Hearing</i> , 2021, Publish Ahead of Print, 1602-1614.	2.1	2
10	Residual Hearing Affects Contralateral Routing of Signals in Cochlear Implant Users. <i>Audiology and Neuro-Otology</i> , 2021, , 1-8.	1.3	0
11	Detection of Translocation of Cochlear Implant Electrode Arrays by Intracochlear Impedance Measurements. <i>Ear and Hearing</i> , 2021, 42, 1397-1404.	2.1	20
12	The School Career of Children With Hearing Loss in Different Primary Educational Settings—A Large Longitudinal Nationwide Study. <i>Journal of Deaf Studies and Deaf Education</i> , 2021, 26, 405-416.	1.2	12
13	Saccades Matter: Reduced Need for Caloric Testing of Cochlear Implant Candidates by Joint Analysis of v-HIT Gain and Corrective Saccades. <i>Frontiers in Neurology</i> , 2021, 12, 676812.	2.4	1
14	Selection Criteria for Cochlear Implantation in the United Kingdom and Flanders: Toward a Less Restrictive Standard. <i>Ear and Hearing</i> , 2021, 42, 68-75.	2.1	15
15	SoftVoice Improves Speech Recognition and Reduces Listening Effort in Cochlear Implant Users. <i>Ear and Hearing</i> , 2021, 42, 381-392.	2.1	5
16	Saccades matter: Reduced need for caloric testing of cochlear implant candidates by joint analysis of v-HIT gain and corrective saccades. <i>Journal of the Neurological Sciences</i> , 2021, 429, 118506.	0.6	0
17	Unravelling the temporal properties of human eCAPs through an iterative deconvolution model. <i>Hearing Research</i> , 2020, 395, 108037.	2.0	11
18	The Temporal Fine Structure of Background Noise Determines the Benefit of Bimodal Hearing for Recognizing Speech. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2020, 21, 527-544.	1.8	7

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19	Effectiveness of Phantom Stimulation in Shifting the Pitch Percept in Cochlear Implant Users. <i>Ear and Hearing</i> , 2020, 41, 1258-1269.	2.1	5
20	Simulating intracochlear electrocochleography with a combined model of acoustic hearing and electric current spread in the cochlea. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 2049-2060.	1.1	4
21	Dynamic Current Focusing: A Novel Approach to Loudness Coding in Cochlear Implants. <i>Ear and Hearing</i> , 2019, 40, 34-44.	2.1	12
22	Dynamic current focusing for loudness encoding in cochlear implants: a take-home trial. <i>International Journal of Audiology</i> , 2019, 58, 553-564.	1.7	12
23	Effect of neural adaptation and degeneration on pulse-train ECAPs: A model study. <i>Hearing Research</i> , 2019, 377, 167-178.	2.0	7
24	Channel discrimination along all contacts of the cochlear implant electrode array and its relation to speech perception. <i>International Journal of Audiology</i> , 2019, 58, 262-268.	1.7	7
25	Test/Retest Variability of the eCAP Threshold in Advanced Bionics Cochlear Implant Users. <i>Ear and Hearing</i> , 2019, 40, 1457-1466.	2.1	7
26	Pediatric Auditory Brainstem Implant Users Compared With Cochlear Implant Users With Additional Disabilities. <i>Otology and Neurotology</i> , 2019, 40, 936-945.	1.3	18
27	Prosody perception and production by children with cochlear implants. <i>Journal of Child Language</i> , 2019, 46, 111-141.	1.2	20
28	Evidence-Based Inclusion Criteria for Cochlear Implantation in Patients With Postlingual Deafness. <i>Ear and Hearing</i> , 2018, 39, 1008-1014.	2.1	23
29	The Precision of eCAP Thresholds Derived From Amplitude Growth Functions. <i>Ear and Hearing</i> , 2018, 39, 701-711.	2.1	12
30	Learning Effects in Psychophysical Tests of Spectral and Temporal Resolution. <i>Ear and Hearing</i> , 2018, 39, 475-481.	2.1	10
31	Use of Electrically Evoked Compound Action Potentials for Cochlear Implant Fitting: A Systematic Review. <i>Ear and Hearing</i> , 2018, 39, 401-411.	2.1	37
32	Basic Measures of Prosody in Spontaneous Speech of Children With Early and Late Cochlear Implantation. <i>Journal of Speech, Language, and Hearing Research</i> , 2018, 61, 3075-3094.	1.6	4
33	Can You Hear What I Think? Theory of Mind in Young Children With Moderate Hearing Loss. <i>Ear and Hearing</i> , 2017, 38, 588-597.	2.1	19
34	Modeled auditory nerve responses to amplitude modulated cochlear implant stimulation. <i>Hearing Research</i> , 2017, 351, 19-33.	2.0	9
35	Missing Data in the Field of Otorhinolaryngology and Head & Neck Surgery: Need for Improvement. <i>Ear and Hearing</i> , 2017, 38, 1-6.	2.1	42
36	The perception of emotion and focus prosody with varying acoustic cues in cochlear implant simulations with varying filter slopes. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 3349-3363.	1.1	3

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37	Comparison of Multipole Stimulus Configurations With Respect to Loudness and Spread of Excitation. <i>Ear and Hearing</i> , 2017, 38, 487-496.	2.1	8
38	Objective and Subjective Measures of Simultaneous vs Sequential Bilateral Cochlear Implants in Adults. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2017, 143, 881.	2.2	21
39	Variations in cochlear duct shape revealed on clinical CT images with an automatic tracing method. <i>Scientific Reports</i> , 2017, 7, 17566.	3.3	19
40	Take-Home Trial Comparing Fast Fourier Transformation-Based and Filter Bank-Based Cochlear Implant Speech Coding Strategies. <i>BioMed Research International</i> , 2017, 2017, 1-7.	1.9	2
41	Reducing interaction in simultaneous paired stimulation with CI. <i>PLoS ONE</i> , 2017, 12, e0171071.	2.5	3
42	Multicentre Evaluation of the NaÅda CI Q70 Sound Processor: Feedback from Cochlear Implant Users and Professionals. <i>Audiology Research</i> , 2016, 6, 160.	1.8	3
43	Survey of Cochlear Implant User Satisfaction with the Neptuneâ„¢ Waterproof Sound Processor. <i>Audiology Research</i> , 2016, 6, 6-10.	1.8	4
44	Intelligibility of the Patientâ€™s Speech Predicts the Likelihood of Cochlear Implant Success in Prelingually Deaf Adults. <i>Ear and Hearing</i> , 2016, 37, e302-e310.	2.1	17
45	A Novel Algorithm to Derive Spread of Excitation Based on Deconvolution. <i>Ear and Hearing</i> , 2016, 37, 572-581.	2.1	17
46	Benefit of contralateral routing of signals for unilateral cochlear implant users. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 393-401.	1.1	19
47	Comparison of the HiFocus Mid-Scala and HiFocus 1J Electrode Array: Angular Insertion Depths and Speech Perception Outcomes. <i>Audiology and Neuro-Otology</i> , 2016, 21, 316-325.	1.3	25
48	Stimulation strategies and electrode design in computational models of the electrically stimulated cochlea: An overview of existing literature. <i>Network: Computation in Neural Systems</i> , 2016, 27, 107-134.	3.6	25
49	A fast, stochastic, and adaptive model of auditory nerve responses to cochlear implant stimulation. <i>Hearing Research</i> , 2016, 341, 130-143.	2.0	14
50	Development of Insertion Models Predicting Cochlear Implant Electrode Position. <i>Ear and Hearing</i> , 2016, 37, 473-482.	2.1	12
51	Intracochlear Position of Cochlear Implants Determined Using CT Scanning versus Fitting Levels: Higher Threshold Levels at Basal Turn. <i>Audiology and Neuro-Otology</i> , 2016, 21, 54-67.	1.3	20
52	Comparison of Bilateral and Unilateral Cochlear Implantation in Adults. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2016, 142, 249.	2.2	48
53	Symptoms of Psychopathology in Hearing-Impaired Children. <i>Ear and Hearing</i> , 2015, 36, e190-e198.	2.1	29
54	Low Empathy in Deaf and Hard of Hearing (Pre)Adolescents Compared to Normal Hearing Controls. <i>PLoS ONE</i> , 2015, 10, e0124102.	2.5	60

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55	Population-Based Prediction of Fitting Levels for Individual Cochlear Implant Recipients. <i>Audiology and Neuro-Otology</i> , 2015, 20, 1-16.	1.3	15
56	The Influence of Cochlear Implant Electrode Position on Performance. <i>Audiology and Neuro-Otology</i> , 2015, 20, 202-211.	1.3	51
57	Current focussing in cochlear implants: An analysis of neural recruitment in a computational model. <i>Hearing Research</i> , 2015, 322, 89-98.	2.0	72
58	Visualization of Human Inner Ear Anatomy with High-Resolution MR Imaging at 7T: Initial Clinical Assessment. <i>American Journal of Neuroradiology</i> , 2015, 36, 378-383.	2.4	27
59	Cochlear Implant Programming: A Global Survey on the State of the Art. <i>Scientific World Journal</i> , The, 2014, 2014, 1-12.	2.1	88
60	Psychopathology and Its Risk and Protective Factors in Hearing-Impaired Children and Adolescents. <i>JAMA Pediatrics</i> , 2014, 168, 170.	6.2	86
61	Diversity in Cochlear Morphology and Its Influence on Cochlear Implant Electrode Position. <i>Ear and Hearing</i> , 2014, 35, e9-e20.	2.1	54
62	Behavioral problems in school-aged hearing-impaired children: the influence of sociodemographic, linguistic, and medical factors. <i>European Child and Adolescent Psychiatry</i> , 2014, 23, 187-196.	4.7	93
63	Place pitch versus electrode location in a realistic computational model of the implanted human cochlea. <i>Hearing Research</i> , 2014, 315, 10-24.	2.0	76
64	The impact of internodal segmentation in biophysical nerve fiber models. <i>Journal of Computational Neuroscience</i> , 2014, 37, 307-315.	1.0	11
65	Auditory Prosthesis. , 2014, , 1-6.		1
66	Self-Esteem in Hearing-Impaired Children: The Influence of Communication, Education, and Audiological Characteristics. <i>PLoS ONE</i> , 2014, 9, e94521.	2.5	57
67	Threshold Levels of Dual Electrode Stimulation in Cochlear Implants. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2013, 14, 781-790.	1.8	28
68	Restoring speech perception with cochlear implants by spanning defective electrode contacts. <i>Acta Oto-Laryngologica</i> , 2013, 133, 394-399.	0.9	3
69	Spread of Excitation and Channel Interaction in Single- and Dual-Electrode Cochlear Implant Stimulation. <i>Ear and Hearing</i> , 2012, 33, 367-376.	2.1	32
70	Effects of Pulse Width, Pulse Rate and Paired Electrode Stimulation on Psychophysical Measures of Dynamic Range and Speech Recognition in Cochlear Implants. <i>Ear and Hearing</i> , 2012, 33, 489-496.	2.1	21
71	Thin Titanium Nitride Films Deposited using DC Magnetron Sputtering used for Neural Stimulation and Sensing Purposes. <i>Procedia Engineering</i> , 2012, 47, 726-729.	1.2	24
72	Effects of parameter manipulations on spread of excitation measured with electrically-evoked compound action potentials. <i>International Journal of Audiology</i> , 2012, 51, 465-474.	1.7	28

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73	Electrode Migration in Cochlear Implant Patients: Not an Exception. <i>Audiology and Neuro-Otology</i> , 2012, 17, 275-281.	1.3	32
74	Anxiety in children with hearing aids or cochlear implants compared to normally hearing controls. <i>Laryngoscope</i> , 2012, 122, 654-659.	2.0	39
75	Design and fabrication of stiff silicon probes: A step towards sophisticated cochlear implant electrodes. <i>Procedia Engineering</i> , 2011, 25, 1012-1015.	1.2	8
76	Depression in hearing-impaired children. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2011, 75, 1313-1317.	1.0	71
77	Stimulus level effects on neural excitation and eCAP amplitude. <i>Hearing Research</i> , 2011, 280, 166-176.	2.0	26
78	Speech Intelligibility as a Predictor of Cochlear Implant Outcome in Prelingually Deafened Adults. <i>Ear and Hearing</i> , 2011, 32, 445-458.	2.1	29
79	Influence of Widening Electrode Separation on Current Steering Performance. <i>Ear and Hearing</i> , 2011, 32, 221-229.	2.1	8
80	Cochlear reimplantation with same device: Surgical and audiologic results. <i>Laryngoscope</i> , 2011, 121, 1517-1524.	2.0	18
81	Neural excitation patterns induced by phased-array stimulation in the implanted human cochlea. <i>Acta Oto-Laryngologica</i> , 2011, 131, 362-370.	0.9	25
82	Cochlear Coordinates in Regard to Cochlear Implantation. <i>Otology and Neurotology</i> , 2010, 31, 738-744.	1.3	34
83	Consensus Panel on a Cochlear Coordinate System Applicable in Histologic, Physiologic, and Radiologic Studies of the Human Cochlea. <i>Otology and Neurotology</i> , 2010, 31, 722-730.	1.3	186
84	Pitch Comparisons between Electrical Stimulation of a Cochlear Implant and Acoustic Stimuli Presented to a Normal-hearing Contralateral Ear. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2010, 11, 625-640.	1.8	97
85	Simultaneous and non-simultaneous dual electrode stimulation in cochlear implants: evidence for two neural response modalities. <i>Acta Oto-Laryngologica</i> , 2009, 129, 433-439.	0.9	49
86	An objective method to measure electrode independence in cochlear implant patients with a dual-masker forward masking technique. <i>Hearing Research</i> , 2009, 253, 3-14.	2.0	4
87	Anatomic Considerations of Cochlear Morphology and Its Implications for Insertion Trauma in Cochlear Implant Surgery. <i>Otology and Neurotology</i> , 2009, 30, 471-477.	1.3	75
88	Stimulation of the Facial Nerve by Intracochlear Electrodes in Otosclerosis. <i>Otology and Neurotology</i> , 2009, 30, 1168-1174.	1.3	44
89	Cochlear Implant Outcomes and Quality of Life in Adults with Prelingual Deafness. <i>Laryngoscope</i> , 2007, 117, 1982-1987.	2.0	77
90	The consequences of neural degeneration regarding optimal cochlear implant position in scala tympani: A model approach. <i>Hearing Research</i> , 2006, 214, 17-27.	2.0	90

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91	Psychophysical Assessment of Spatial Spread of Excitation in Electrical Hearing with Single and Dual Electrode Contact Maskers. <i>Ear and Hearing</i> , 2006, 27, 645-657.	2.1	20
92	Clinical Evaluation of the Clarion CII HiFocus 1 with and Without Positioner. <i>Ear and Hearing</i> , 2005, 26, 577-592.	2.1	42
93	Unraveling the electrically evoked compound action potential. <i>Hearing Research</i> , 2005, 205, 143-156.	2.0	91
94	A new method for dealing with the stimulus artefact in electrically evoked compound action potential measurements. <i>Acta Oto-Laryngologica</i> , 2004, 124, 137-143.	0.9	36
95	Speech recognition with a cochlear implant using triphasic charge-balanced pulses. <i>Acta Oto-Laryngologica</i> , 2004, 124, 371-375.	0.9	18
96	Concept and initial testing of a new, basally perimodiolar electrode design. <i>International Congress Series</i> , 2004, 1273, 105-108.	0.2	2
97	Optimizing the Number of Electrodes with High-rate Stimulation of the Clarion CII Cochlear Implant. <i>Acta Oto-Laryngologica</i> , 2003, 123, 138-142.	0.9	48
98	Initial Evaluation of the Clarion CII Cochlear Implant: Speech Perception and Neural Response Imaging. <i>Ear and Hearing</i> , 2002, 23, 184-197.	2.1	105
99	The Importance of Human Cochlear Anatomy for the Results of Modiolus-Hugging Multichannel Cochlear Implants. <i>Otology and Neurotology</i> , 2001, 22, 340-349.	1.3	136
100	Evaluation of Voice Quality in Adductor Spasmodic Dysphonia before and after Botulinum Toxin Treatment. <i>Annals of Otology, Rhinology and Laryngology</i> , 2001, 110, 627-634.	1.1	43
101	3D mesh generation to solve the electrical volume conduction problem in the implanted inner ear. <i>Simulation Modelling Practice and Theory</i> , 2000, 8, 57-73.	0.3	23
102	Integrated use of volume conduction and neural models to simulate the response to cochlear implants. <i>Simulation Modelling Practice and Theory</i> , 2000, 8, 75-97.	0.3	25
103	Field patterns in a 3D tapered spiral model of the electrically stimulated cochlea. <i>Hearing Research</i> , 2000, 148, 18-30.	2.0	98
104	Silicon Probes for Cochlear Auditory Nerve Stimulation and Measurement. <i>Advanced Materials Research</i> , 0, 254, 82-85.	0.3	4