Jeroen J Briaire

List of Publications by Year
in descending order

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	Consensus Panel on a Cochlear Coordinate System Applicable in Histologic, Physiologic, and Radiologic Studies of the Human Cochlea. Otology and Neurotology, 2010, 31, 722-730.	1.3	186
2	The Importance of Human Cochlear Anatomy for the Results of Modiolus-Hugging Multichannel Cochlear Implants. Otology and Neurotology, 2001, 22, 340-349.	1.3	136
3	Initial Evaluation of the Clarion CII Cochlear Implant: Speech Perception and Neural Response Imaging. Ear and Hearing, 2002, 23, 184-197.	2.1	105
4	Field patterns in a 3D tapered spiral model of the electrically stimulated cochlea. Hearing Research, 2000, 148, 18-30.	2.0	98
5	Pitch Comparisons between Electrical Stimulation of a Cochlear Implant and Acoustic Stimuli Presented to a Normal-hearing Contralateral Ear. JARO - Journal of the Association for Research in Otolaryngology, 2010, 11, 625-640.	1.8	97
6	Behavioral problems in school-aged hearing-impaired children: the influence of sociodemographic, linguistic, and medical factors. European Child and Adolescent Psychiatry, 2014, 23, 187-196.	4.7	93
7	Unraveling the electrically evoked compound action potential. Hearing Research, 2005, 205, 143-156.	2.0	91
8	The consequences of neural degeneration regarding optimal cochlear implant position in scala tympani: A model approach. Hearing Research, 2006, 214, 17-27.	2.0	90
9	Cochlear Implant Programming: A Global Survey on the State of the Art. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	88
10	Psychopathology and Its Risk and Protective Factors in Hearing-Impaired Children and Adolescents. JAMA Pediatrics, 2014, 168, 170.	6.2	86
11	Cochlear Implant Outcomes and Quality of Life in Adults with Prelingual Deafness. Laryngoscope, 2007, 117, 1982-1987.	2.0	77
12	Place pitch versus electrode location in a realistic computational model of the implanted human cochlea. Hearing Research, 2014, 315, 10-24.	2.0	76
13	Anatomic Considerations of Cochlear Morphology and Its Implications for Insertion Trauma in Cochlear Implant Surgery. Otology and Neurotology, 2009, 30, 471-477.	1.3	75
14	Current focussing in cochlear implants: An analysis of neural recruitment in a computational model. Hearing Research, 2015, 322, 89-98.	2.0	72
15	Depression in hearing-impaired children. International Journal of Pediatric Otorhinolaryngology, 2011, 75, 1313-1317.	1.0	71
16	Low Empathy in Deaf and Hard of Hearing (Pre)Adolescents Compared to Normal Hearing Controls. PLoS ONE, 2015, 10, e0124102.	2.5	60
17	Self-Esteem in Hearing-Impaired Children: The Influence of Communication, Education, and Audiological Characteristics. PLoS ONE, 2014, 9, e94521.	2.5	57
18	Diversity in Cochlear Morphology and Its Influence on Cochlear Implant Electrode Position. Ear and Hearing, 2014, 35, e9-e20.	2.1	54

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19	The Influence of Cochlear Implant Electrode Position on Performance. Audiology and Neuro-Otology, 2015, 20, 202-211.	1.3	51
20	Simultaneous and non-simultaneous dual electrode stimulation in cochlear implants: evidence for two neural response modalities. Acta Oto-Laryngologica, 2009, 129, 433-439.	0.9	49
21	Optimizing the Number of Electrodes with High-rate Stimulation of the Clarion CII Cochlear Implant. Acta Oto-Laryngologica, 2003, 123, 138-142.	0.9	48
22	Comparison of Bilateral and Unilateral Cochlear Implantation in Adults. JAMA Otolaryngology - Head and Neck Surgery, 2016, 142, 249.	2.2	48
23	Stimulation of the Facial Nerve by Intracochlear Electrodes in Otosclerosis. Otology and Neurotology, 2009, 30, 1168-1174.	1.3	44
24	Evaluation of Voice Quality in Adductor Spasmodic Dysphonia before and after Botulinum Toxin Treatment. Annals of Otology, Rhinology and Laryngology, 2001, 110, 627-634.	1.1	43
25	Clinical Evaluation of the Clarion CII HiFocus 1 with and Without Positioner. Ear and Hearing, 2005, 26, 577-592.	2.1	42
26	Missing Data in the Field of Otorhinolaryngology and Head & Neck Surgery: Need for Improvement. Ear and Hearing, 2017, 38, 1-6.	2.1	42
27	Anxiety in children with hearing aids or cochlear implants compared to normally hearing controls. Laryngoscope, 2012, 122, 654-659.	2.0	39
28	Use of Electrically Evoked Compound Action Potentials for Cochlear Implant Fitting: A Systematic Review. Ear and Hearing, 2018, 39, 401-411.	2.1	37
29	A new method for dealing with the stimulus artefact in electrically evoked compound action potential measurements. Acta Oto-Laryngologica, 2004, 124, 137-143.	0.9	36
30	Cochlear Coordinates in Regard to Cochlear Implantation. Otology and Neurotology, 2010, 31, 738-744.	1.3	34
31	Spread of Excitation and Channel Interaction in Single- and Dual-Electrode Cochlear Implant Stimulation. Ear and Hearing, 2012, 33, 367-376.	2.1	32
32	Electrode Migration in Cochlear Implant Patients: Not an Exception. Audiology and Neuro-Otology, 2012, 17, 275-281.	1.3	32
33	Speech Intelligibility as a Predictor of Cochlear Implant Outcome in Prelingually Deafened Adults. Ear and Hearing, 2011, 32, 445-458.	2.1	29
34	Symptoms of Psychopathology in Hearing-Impaired Children. Ear and Hearing, 2015, 36, e190-e198.	2.1	29
35	Effects of parameter manipulations on spread of excitation measured with electrically-evoked compound action potentials. International Journal of Audiology, 2012, 51, 465-474.	1.7	28
36	Threshold Levels of Dual Electrode Stimulation in Cochlear Implants. JARO - Journal of the Association for Research in Otolaryngology, 2013, 14, 781-790.	1.8	28

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37	Visualization of Human Inner Ear Anatomy with High-Resolution MR Imaging at 7T: Initial Clinical Assessment. American Journal of Neuroradiology, 2015, 36, 378-383.	2.4	27
38	Stimulus level effects on neural excitation and eCAP amplitude. Hearing Research, 2011, 280, 166-176.	2.0	26
39	Integrated use of volume conduction and neural models to simulate the response to cochlear implants. Simulation Modelling Practice and Theory, 2000, 8, 75-97.	0.3	25
40	Neural excitation patterns induced by phased-array stimulation in the implanted human cochlea. Acta Oto-Laryngologica, 2011, 131, 362-370.	0.9	25
41	Comparison of the HiFocus Mid-Scala and HiFocus 1J Electrode Array: Angular Insertion Depths and Speech Perception Outcomes. Audiology and Neuro-Otology, 2016, 21, 316-325.	1.3	25
42	Stimulation strategies and electrode design in computational models of the electrically stimulated cochlea: An overview of existing literature. Network: Computation in Neural Systems, 2016, 27, 107-134.	3.6	25
43	Factors Influencing Speech Perception in Adults With a Cochlear Implant. Ear and Hearing, 2021, 42, 949-960.	2.1	25
44	Thin Titanium Nitride Films Deposited using DC Magnetron Sputtering used for Neural Stimulation and Sensing Purposes. Procedia Engineering, 2012, 47, 726-729.	1.2	24
45	3D mesh generation to solve the electrical volume conduction problem in the implanted inner ear. Simulation Modelling Practice and Theory, 2000, 8, 57-73.	0.3	23
46	Evidence-Based Inclusion Criteria for Cochlear Implantation in Patients With Postlingual Deafness. Ear and Hearing, 2018, 39, 1008-1014.	2.1	23
47	Effects of Pulse Width, Pulse Rate and Paired Electrode Stimulation on Psychophysical Measures of Dynamic Range and Speech Recognition in Cochlear Implants. Ear and Hearing, 2012, 33, 489-496.	2.1	21
48	Objective and Subjective Measures of Simultaneous vs Sequential Bilateral Cochlear Implants in Adults. JAMA Otolaryngology - Head and Neck Surgery, 2017, 143, 881.	2.2	21
49	Psychophysical Assessment of Spatial Spread of Excitation in Electrical Hearing with Single and Dual Electrode Contact Maskers. Ear and Hearing, 2006, 27, 645-657.	2.1	20
50	Intracochlear Position of Cochlear Implants Determined Using CT Scanning versus Fitting Levels: Higher Threshold Levels at Basal Turn. Audiology and Neuro-Otology, 2016, 21, 54-67.	1.3	20
51	Prosody perception and production by children with cochlear implants. Journal of Child Language, 2019, 46, 111-141.	1.2	20
52	Detection of Translocation of Cochlear Implant Electrode Arrays by Intracochlear Impedance Measurements. Ear and Hearing, 2021, 42, 1397-1404.	2.1	20
53	Benefit of contralateral routing of signals for unilateral cochlear implant users. Journal of the Acoustical Society of America, 2016, 140, 393-401.	1.1	19
54	Can You Hear What I Think? Theory of Mind in Young Children With Moderate Hearing Loss. Ear and Hearing, 2017, 38, 588-597.	2.1	19

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55	Variations in cochlear duct shape revealed on clinical CT images with an automatic tracing method. Scientific Reports, 2017, 7, 17566.	3.3	19
56	Speech recognition with a cochlear implant using triphasic charge-balanced pulses. Acta Oto-Laryngologica, 2004, 124, 371-375.	0.9	18
57	Cochlear reimplantation with same device: Surgical and audiologic results. Laryngoscope, 2011, 121, 1517-1524.	2.0	18
58	Pediatric Auditory Brainstem Implant Users Compared With Cochlear Implant Users With Additional Disabilities. Otology and Neurotology, 2019, 40, 936-945.	1.3	18
59	Intelligibility of the Patientâ€™s Speech Predicts the Likelihood of Cochlear Implant Success in Prelingually Deaf Adults. Ear and Hearing, 2016, 37, e302-e310.	2.1	17
60	A Novel Algorithm to Derive Spread of Excitation Based on Deconvolution. Ear and Hearing, 2016, 37, 572-581.	2.1	17
61	Population-Based Prediction of Fitting Levels for Individual Cochlear Implant Recipients. Audiology and Neuro-Otology, 2015, 20, 1-16.	1.3	15
62	Selection Criteria for Cochlear Implantation in the United Kingdom and Flanders: Toward a Less Restrictive Standard. Ear and Hearing, 2021, 42, 68-75.	2.1	15
63	A fast, stochastic, and adaptive model of auditory nerve responses to cochlear implant stimulation. Hearing Research, 2016, 341, 130-143.	2.0	14
64	Cost-benefit Analysis of Cochlear Implants: A Societal Perspective. Ear and Hearing, 2021, 42, 1338-1350.	2.1	13
65	Development of Insertion Models Predicting Cochlear Implant Electrode Position. Ear and Hearing, 2016, 37, 473-482.	2.1	12
66	The Precision of eCAP Thresholds Derived From Amplitude Growth Functions. Ear and Hearing, 2018, 39, 701-711.	2.1	12
67	Dynamic Current Focusing: A Novel Approach to Loudness Coding in Cochlear Implants. Ear and Hearing, 2019, 40, 34-44.	2.1	12
68	Dynamic current focusing for loudness encoding in cochlear implants: a take-home trial. International Journal of Audiology, 2019, 58, 553-564.	1.7	12
69	The School Career of Children With Hearing Loss in Different Primary Educational Settingsâ€"A Large Longitudinal Nationwide Study. Journal of Deaf Studies and Deaf Education, 2021, 26, 405-416.	1.2	12
70	The relation between polarity sensitivity and neural degeneration in a computational model of cochlear implant stimulation. Hearing Research, 2022, 415, 108413.	2.0	12
71	The impact of internodal segmentation in biophysical nerve fiber models. Journal of Computational Neuroscience, 2014, 37, 307-315.	1.0	11
72	Unravelling the temporal properties of human eCAPs through an iterative deconvolution model. Hearing Research, 2020, 395, 108037.	2.0	11

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73	Learning Effects in Psychophysical Tests of Spectral and Temporal Resolution. Ear and Hearing, 2018, 39, 475-481.	2.1	10
74	Modeled auditory nerve responses to amplitude modulated cochlear implant stimulation. Hearing Research, 2017, 351, 19-33.	2.0	9
75	Design and fabrication of stiff silicon probes: A step towards sophisticated cochlear implant electrodes. Procedia Engineering, 2011, 25, 1012-1015.	1.2	8
76	Influence of Widening Electrode Separation on Current Steering Performance. Ear and Hearing, 2011, 32, 221-229.	2.1	8
77	Comparison of Multipole Stimulus Configurations With Respect to Loudness and Spread of Excitation. Ear and Hearing, 2017, 38, 487-496.	2.1	8
78	Effect of neural adaptation and degeneration on pulse-train ECAPs: A model study. Hearing Research, 2019, 377, 167-178.	2.0	7
79	Channel discrimination along all contacts of the cochlear implant electrode array and its relation to speech perception. International Journal of Audiology, 2019, 58, 262-268.	1.7	7
80	Test/Retest Variability of the eCAP Threshold in Advanced Bionics Cochlear Implant Users. Ear and Hearing, 2019, 40, 1457-1466.	2.1	7
81	The Temporal Fine Structure of Background Noise Determines the Benefit of Bimodal Hearing for Recognizing Speech. JARO - Journal of the Association for Research in Otolaryngology, 2020, 21, 527-544.	1.8	7
82	Effectiveness of Phantom Stimulation in Shifting the Pitch Percept in Cochlear Implant Users. Ear and Hearing, 2020, 41, 1258-1269.	2.1	5
83	SoftVoice Improves Speech Recognition and Reduces Listening Effort in Cochlear Implant Users. Ear and Hearing, 2021, 42, 381-392.	2.1	5
84	Prolonged Insertion Time Reduces Translocation Rate of a Precurved Electrode Array in Cochlear Implantation. Otology and Neurotology, 2022, 43, e427-e434.	1.3	5
85	An objective method to measure electrode independence in cochlear implant patients with a dual-masker forward masking technique. Hearing Research, 2009, 253, 3-14.	2.0	4
86	Silicon Probes for Cochlear Auditory Nerve Stimulation and Measurement. Advanced Materials Research, 0, 254, 82-85.	0.3	4
87	Survey of Cochlear Implant User Satisfaction with the Neptuneâ„¢ Waterproof Sound Processor. Audiology Research, 2016, 6, 6-10.	1.8	4
88	Simulating intracochlear electrocochleography with a combined model of acoustic hearing and electric current spread in the cochlea. Journal of the Acoustical Society of America, 2020, 147, 2049-2060.	1.1	4
89	An iterative deconvolution model to extract the temporal firing properties of the auditory nerve fibers in human eCAPs. MethodsX, 2021, 8, 101240.	1.6	4
90	Basic Measures of Prosody in Spontaneous Speech of Children With Early and Late Cochlear Implantation. Journal of Speech, Language, and Hearing Research, 2018, 61, 3075-3094.	1.6	4

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91	Restoring speech perception with cochlear implants by spanning defective electrode contacts. Acta Oto-Laryngologica, 2013, 133, 394-399.	0.9	3
92	Multicentre Evaluation of the NaÃda CI Q70 Sound Processor: Feedback from Cochlear Implant Users and Professionals. Audiology Research, 2016, 6, 160.	1.8	3
93	The perception of emotion and focus prosody with varying acoustic cues in cochlear implant simulations with varying filter slopes. Journal of the Acoustical Society of America, 2017, 141, 3349-3363.	1.1	3
94	Reducing interaction in simultaneous paired stimulation with CI. PLoS ONE, 2017, 12, e0171071.	2.5	3
95	The effect of stimulus level on excitation patterns of individual electrode contacts in cochlear implants. Hearing Research, 2022, 420, 108490.	2.0	3
96	Concept and initial testing of a new, basally perimodiolar electrode design. International Congress Series, 2004, 1273, 105-108.	0.2	2
97	Take-Home Trial Comparing Fast Fourier Transformation-Based and Filter Bank-Based Cochlear Implant Speech Coding Strategies. BioMed Research International, 2017, 2017, 1-7.	1.9	2
98	Personalizing Transient Noise Reduction Algorithm Settings for Cochlear Implant Users. Ear and Hearing, 2021, Publish Ahead of Print, 1602-1614.	2.1	2
99	Saccades Matter: Reduced Need for Caloric Testing of Cochlear Implant Candidates by Joint Analysis of v-HIT Gain and Corrective Saccades. Frontiers in Neurology, 2021, 12, 676812.	2.4	1
100	Auditory Prosthesis. , 2014, , 1-6.		1
101	Short- and long-latency components of the eCAP reveal different refractory properties. Hearing Research, 2022, 420, 108522.	2.0	1
102	Residual Hearing Affects Contralateral Routing of Signals in Cochlear Implant Users. Audiology and Neuro-Otology, 2021, , 1-8.	1.3	0
103	Saccades matter: Reduced need for caloric testing of cochlear implant candidates by joint analysis of v-HIT gain and corrective saccades. Journal of the Neurological Sciences, 2021, 429, 118506.	0.6	0
104	Auditory Prosthesis. , 2022, , 310-314.		0