Aaron C Moberly

List of Publications by Year
in descending order

103 papers	1,970 citations	257450 24 h-index	330143 37 g-index
107 all docs	107 docs citations	107 times ranked	1377 citing authors

#	Article	IF	Citations
1	Advances in Artificial Intelligence to Diagnose Otitis Media: State of the Art Review. Otolaryngology - Head and Neck Surgery, 2023, 168, 635-642.	1.9	6
2	Contribution of Verbal Learning & Memory and <scp>Spectroâ€Temporal</scp> Discrimination to Speech Recognition in Cochlear Implant Users. Laryngoscope, 2023, 133, 661-669.	2.0	0
3	Talker Adaptation and Lexical Difficulty Impact Word Recognition in Adults with Cochlear Implants. Audiology and Neuro-Otology, 2022, 27, 260-270.	1.3	4
4	OtoXNetâ€"automated identification of eardrum diseases from otoscope videos: a deep learning study for video-representing images. Neural Computing and Applications, 2022, 34, 12197-12210.	5.6	3
5	Lexical Effects on the Perceived Clarity of Noise-Vocoded Speech in Younger and Older Listeners. Frontiers in Psychology, 2022, 13, 837644.	2.1	1
6	Preoperative Visual Measures of Verbal Learning and Memory and their Relations to Speech Recognition After Cochlear Implantation. Ear and Hearing, 2022, 43, 993-1002.	2.1	1
7	When Should Adults With Bilateral Hearing Loss Be Referred for Cochlear Implant Evaluation?. Laryngoscope, 2021, 131, 1448-1450.	2.0	5
8	Digital Otoscopy Videos Versus Composite Images: A Reader Study to Compare the Accuracy of ENT Physicians. Laryngoscope, 2021, 131, E1668-E1676.	2.0	9
9	The Perception of Regional Dialects and Foreign Accents by Cochlear Implant Users. Journal of Speech, Language, and Hearing Research, 2021, 64, 683-690.	1.6	7
10	Can a Self-report Measure Be Used to Assess Cognitive Skills in Adults With Hearing Loss?. Otology and Neurotology, 2021, 42, e684-e689.	1.3	0
11	OtoPair: Combining Right and Left Eardrum Otoscopy Images to Improve the Accuracy of Automated Image Analysis. Applied Sciences (Switzerland), 2021, 11, 1831.	2.5	6
12	Patientâ€specific Virtual Temporal Bone Simulation Based on Clinical Coneâ€beam Computed Tomography. Laryngoscope, 2021, 131, 1855-1862.	2.0	10
13	How Does Cochlear Implantation Lead to Improvements on a Cognitive Screening Measure?. Journal of Speech, Language, and Hearing Research, 2021, 64, 1053-1061.	1.6	15
14	Assessment of Reliability and Validity of the Cochlear Implant Skills Review: A New Measure to Evaluate Cochlear Implant Users' Device Skills and Knowledge. American Journal of Audiology, 2021, 30, 105-127.	1.2	0
15	A Longitudinal Comparison of Environmental Sound Recognition in Adults With Hearing Aids Before and After Cochlear Implantation. Journal of Speech, Language, and Hearing Research, 2021, 64, 1040-1052.	1.6	4
16	Considerations for Integrating Cognitive Testing Into Adult Cochlear Implant Evaluationsâ€"Foundations for the Future. JAMA Otolaryngology - Head and Neck Surgery, 2021, 147, 413.	2.2	5
17	The Value of Speech-Language Pathologists in Auditory Rehabilitation for Adults With Cochlear Implants. American Journal of Speech-Language Pathology, 2021, 30, 1909-1911.	1.8	4
18	Development of a novel screening tool for predicting Cochlear implant candidacy. Laryngoscope Investigative Otolaryngology, 2021, 6, 1406-1413.	1.5	4

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19	Word and Nonword Reading Efficiency in Postlingually Deafened Adult Cochlear Implant Users. Otology and Neurotology, 2021, 42, e272-e278.	1.3	12
20	Bottom-Up Signal Quality Impacts the Role of Top-Down Cognitive-Linguistic Processing During Speech Recognition by Adults with Cochlear Implants. Otology and Neurotology, 2021, 42, S33-S41.	1.3	15
21	Perception of Environmental Sounds in Cochlear Implant Users: A Systematic Review. Frontiers in Neuroscience, 2021, 15, 788899.	2.8	6
22	The Impact of Neurocognitive Skills on Recognition of Spectrally Degraded Sentences. Journal of the American Academy of Audiology, 2021, 32, 528-536.	0.7	3
23	Safetyâ€relevant environmental sound identification in cochlear implant candidates and users. Laryngoscope, 2020, 130, 1547-1551.	2.0	7
24	Standard Setting of Competency in Mastoidectomy for the Cross-Institutional Mastoidectomy Assessment Tool. Annals of Otology, Rhinology and Laryngology, 2020, 129, 340-346.	1.1	2
25	Cognitive Functions in Adults Receiving Cochlear Implants: Predictors of Speech Recognition and Changes After Implantation. Otology and Neurotology, 2020, 41, e322-e329.	1.3	48
26	Comparison of Opioid Prescription Patterns and Consumption Following Otologic Surgery. Otology and Neurotology, 2020, 41, 229-234.	1.3	17
27	Are There Real-world Benefits to Bimodal Listening?. Otology and Neurotology, 2020, 41, e1111-e1117.	1.3	3
28	High- and Low-Performing Adult Cochlear Implant Users on High-Variability Sentence Recognition: Differences in Auditory Spectral Resolution and Neurocognitive Functioning. Journal of the American Academy of Audiology, 2020, 31, 324-335.	0.7	32
29	SelectStitch: Automated Frame Segmentation and Stitching to Create Composite Images from Otoscope Video Clips. Applied Sciences (Switzerland), 2020, 10, 5894.	2.5	10
30	Comprehensive auditory rehabilitation in adults receiving cochlear implants: A pilot study. Laryngoscope Investigative Otolaryngology, 2020, 5, 911-918.	1.5	7
31	Explaining Speech Recognition and Quality of Life Outcomes in Adult Cochlear Implant Users: Complementary Contributions of Demographic, Sensory, and Cognitive Factors. Otology and Neurotology, 2020, 41, e795-e803.	1.3	10
32	A <scp>surgeonâ€scientist'</scp>s perspective and review of <scp>cognitiveâ€linguistic</scp> contributions to adult cochlear implant outcomes. Laryngoscope Investigative Otolaryngology, 2020, 5, 1176-1183.	1.5	5
33	OtoMatch: Content-based eardrum image retrieval using deep learning. PLoS ONE, 2020, 15, e0232776.	2.5	28
34	Electrocochleography During Translabyrinthine Approach for Vestibular Schwannoma Removal. Otology and Neurotology, 2020, 41, e369-e377.	1.3	6
35	Visual Reliance During Speech Recognition in Cochlear Implant Users and Candidates. Journal of the American Academy of Audiology, 2020, 31, 030-039.	0.7	7
36	The impact of speaking style on speech recognition in quiet and multi-talker babble in adult cochlear implant users. Journal of the Acoustical Society of America, 2020, 147, 101-107.	1.1	13

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37	How Does Quality of Life Relate to Auditory Abilities? A Subitem Analysis of the Nijmegen Cochlear Implant Questionnaire. Journal of the American Academy of Audiology, 2020, 31, 292-301.	0.7	15
38	Development of the Basic Auditory Skills Evaluation Battery for Online Testing of Cochlear Implant Listeners. American Journal of Audiology, 2020, 29, 577-590.	1.2	21
39	Intraoperative Electrocochleography of Posterior Fossa Tumors Producing MeniÃ¨re's Syndrome. Otology and Neurotology, 2020, 41, e1237-e1242.	1.3	3
40	Decision fusion on image analysis and tympanometry to detect eardrum abnormalities. , 2020, , .		9
41	Quality of Life Outcomes Reported by Patients and Significant Others Following Cochlear Implantation. American Journal of Audiology, 2020, 29, 404-409.	1.2	3
42	OtoMatch: Content-based eardrum image retrieval using deep learning. , 2020, 15, e0232776.		0
43	OtoMatch: Content-based eardrum image retrieval using deep learning. , 2020, 15, e0232776.		0
44	OtoMatch: Content-based eardrum image retrieval using deep learning. , 2020, 15, e0232776.		0
45	OtoMatch: Content-based eardrum image retrieval using deep learning. , 2020, 15, e0232776.		0
46	How Does Nonverbal Reasoning Affect Sentence Recognition in Adults with Cochlear Implants and Normal-Hearing Peers?. Audiology and Neuro-Otology, 2019, 24, 127-138.	1.3	10
47	A review of simulation applications in temporal bone surgery. Laryngoscope Investigative Otolaryngology, 2019, 4, 420-424.	1.5	22
48	Audiometric findings in children with unilateral enlarged vestibular aqueduct. International Journal of Pediatric Otorhinolaryngology, 2019, 120, 25-29.	1.0	4
49	Does Cochlear Implantation Improve Cognitive Function?. Laryngoscope, 2019, 129, 2208-2209.	2.0	12
50	Cost savings associated with an outpatient otolaryngology telemedicine clinic. Laryngoscope Investigative Otolaryngology, 2019, 4, 234-240.	1.5	33
51	Intraoperative Electrocochleography in Patients With MeniÃ¨re's Disease Undergoing Endolymphatic Sac Decompression and Shunt Surgery. Otology and Neurotology, 2019, 40, 1208-1216.	1.3	4
52	Diagnostic accuracy and confidence for otoscopy: Are medical students receiving sufficient training?. Laryngoscope, 2019, 129, 1891-1897.	2.0	23
53	Making Sense of Sentences: Top-Down Processing of Speech by Adult Cochlear Implant Users. Journal of Speech, Language, and Hearing Research, 2019, 62, 2895-2905.	1.6	35
54	Visual Reliance During Speech Recognition in Cochlear Implant Users and Candidates. Journal of the American Academy of Audiology, 2019, , .	0.7	0

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55	How Does Quality of Life Relate to Auditory Abilities? A Subitem Analysis of the Nijmegen Cochlear Implant Questionnaire. Journal of the American Academy of Audiology, 2019, , .	0.7	0
56	Relations Between Self-reported Executive Functioning and Speech Perception Skills in Adult Cochlear Implant Users. Otology and Neurotology, 2018, 39, 250-257.	1.3	9
57	â€œProductâ€•Versus â€œProcessâ€•Measures in Assessing Speech Recognition Outcomes in Adults With Cochlear Implants. Otology and Neurotology, 2018, 39, e195-e202.	1.3	18
58	Verbal Learning and Memory After Cochlear Implantation in Postlingually Deaf Adults: Some New Findings with the CVLT-II. Ear and Hearing, 2018, 39, 720-745.	2.1	35
59	Digital otoscopy versus microscopy: How correct and confident are ear experts in their diagnoses?. Journal of Telemedicine and Telecare, 2018, 24, 453-459.	2.7	36
60	Developing a synchronous otolaryngology telemedicine Clinic: Prospective study to assess fidelity and diagnostic concordance. Laryngoscope, 2018, 128, 1068-1074.	2.0	52
61	Relating quality of life to outcomes and predictors in adult cochlear implant users: Are we measuring the right things?. Laryngoscope, 2018, 128, 959-966.	2.0	34
62	Neurocognitive Factors Contributing to Cochlear Implant Candidacy. Otology and Neurotology, 2018, 39, e1010-e1018.	1.3	24
63	Nonverbal Reasoning as a Contributor to Sentence Recognition Outcomes in Adults With Cochlear Implants. Otology and Neurotology, 2018, 39, e956-e963.	1.3	23
64	Environmental Sound Awareness in Experienced Cochlear Implant Users and Cochlear Implant Candidates. Otology and Neurotology, 2018, 39, e964-e971.	1.3	12
65	What to Do When Cochlear Implant Users Plateau in Performance: a Pilot Study of Clinician-guided Aural Rehabilitation. Otology and Neurotology, 2018, 39, e794-e802.	1.3	20
66	Development of Phonological, Lexical, and Syntactic Abilities in Children With Cochlear Implants Across the Elementary Grades. Journal of Speech, Language, and Hearing Research, 2018, 61, 2561-2577.	1.6	55
67	How does aging affect recognition of spectrally degraded speech?. Laryngoscope, 2018, 128, .	2.0	22
68	Cognitive Functions in Adult Cochlear Implant Users, Cochlear Implant Candidates, and Normalâ€Hearing Listeners. Laryngoscope Investigative Otolaryngology, 2018, 3, 304-310.	1.5	29
69	Detection of eardrum abnormalities using ensemble deep learning approaches. , 2018, , .		17
70	Real-Time Intracochlear Electrocochleography Obtained Directly Through a Cochlear Implant. Otology and Neurotology, 2017, 38, e107-e113.	1.3	44
71	Autoscope: automated otoscopy image analysis to diagnose ear pathology and use of clinically motivated eardrum features. Proceedings of SPIE, 2017, , .	0.8	8
72	Partial Resection in Microsurgical Management of Vestibular Schwannomas. JAMA Otolaryngology - Head and Neck Surgery, 2017, 143, 863.	2.2	3

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73	Speech Recognition in Adults With Cochlear Implants: The Effects of Working Memory, Phonological Sensitivity, and Aging. Journal of Speech, Language, and Hearing Research, 2017, 60, 1046-1061.	1.6	54
74	The Relationship Between Environmental Sound Awareness and Speech Recognition Skills in Experienced Cochlear Implant Users. Otology and Neurotology, 2017, 38, e308-e314.	1.3	19
75	Verbal working memory and inhibitionâ€concentration in adults with cochlear implants. Laryngoscope Investigative Otolaryngology, 2017, 2, 254-261.	1.5	34
76	Intraoperative Electrocochleography: A Window Into Endolymphatic Hydrops in a Patient With an Endolymphatic Sac Tumor. Otology and Neurotology, 2017, 38, 547-550.	1.3	6
77	Visual working memory span in adults with cochlear implants: Some preliminary findings. World Journal of Otorhinolaryngology - Head and Neck Surgery, 2017, 3, 224-230.	1.6	22
78	Three challenges for future research on cochlear implants. World Journal of Otorhinolaryngology - Head and Neck Surgery, 2017, 3, 240-254.	1.6	98
79	Acoustic Cue Weighting by Adults with Cochlear Implants: A Mismatch Negativity Study. Ear and Hearing, 2016, 37, 465-472.	2.1	7
80	Word Recognition Variability With Cochlear Implants. Otology and Neurotology, 2016, 37, 470-477.	1.3	16
81	Does quality of life depend on speech recognition performance for adult cochlear implant users?. Laryngoscope, 2016, 126, 699-706.	2.0	86
82	Postoperative Rehabilitation Strategies Used by Adults With Cochlear Implants: A Pilot Study. Laryngoscope Investigative Otolaryngology, 2016, 1, 42-48.	1.5	45
83	Verbal Working Memory in Older Adults: The Roles of Phonological Capacities and Processing Speed. Journal of Speech, Language, and Hearing Research, 2016, 59, 1520-1532.	1.6	24
84	Cortical Auditory Evoked Potentials to Evaluate Cochlear Implant Candidacy in an Ear With Long-standing Hearing Loss. Annals of Otology, Rhinology and Laryngology, 2016, 125, 858-861.	1.1	2
85	Nonâ€auditory neurocognitive skills contribute to speech recognition in adults with cochlear implants. Laryngoscope Investigative Otolaryngology, 2016, 1, 154-162.	1.5	54
86	Cochlear Implants in Adults. Otology and Neurotology, 2016, 37, 1238-1245.	1.3	57
87	The Enigma of Poor Performance by Adults With Cochlear Implants. Otology and Neurotology, 2016, 37, 1522-1528.	1.3	106
88	Word Recognition Variability With Cochlear Implants. Ear and Hearing, 2016, 37, 14-26.	2.1	38
89	Components of the eIF4F complex are potential therapeutic targets for malignant peripheral nerve sheath tumors and vestibular schwannomas. Neuro-Oncology, 2016, 18, 1265-1277.	1.2	24
90	Postoperative Rehabilitation Strategies Used by Adults With Cochlear Implants: A Pilot Study. Laryngoscope Investigative Otolaryngology, 2016, 1, 42-48.	1.5	6

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91	Measuring the effects of spectral smearing and enhancement on speech recognition in noise for adults and children. Journal of the Acoustical Society of America, 2015, 137, 2004-2014.	1.1	11
92	Squamous Cell Carcinoma of the Temporal Bone. Otolaryngologic Clinics of North America, 2015, 48, 281-292.	1.1	13
93	Low-frequency signals support perceptual organization of implant-simulated speech for adults and children. International Journal of Audiology, 2014, 53, 270-284.	1.7	9
94	Do Adults With Cochlear Implants Rely on Different Acoustic Cues for Phoneme Perception Than Adults With Normal Hearing?. Journal of Speech, Language, and Hearing Research, 2014, 57, 566-582.	1.6	42
95	Perceptual weighting strategies of children with cochlear implants and normal hearing. Journal of Communication Disorders, 2014, 52, 111-133.	1.5	17
96	Neurophysiology of spectrotemporal cue organization of spoken language in auditory memory. Brain and Language, 2014, 130, 42-49.	1.6	3
97	Comparison of Longâ€term Qualityâ€ofâ€Life Outcomes in Vestibular Schwannoma Patients. Otolaryngology - Head and Neck Surgery, 2014, 150, 1024-1032.	1.9	61
98	Wound breakdown after middle cranial fossa craniotomy: An unusual complication after rhytidectomy. Laryngoscope, 2014, 124, 554-557.	2.0	1
99	Word learning in deaf children with cochlear implants: effects of early auditory experience. Developmental Science, 2012, 15, 448-461.	2.4	96
100	Ultrasoundâ€guided needle aspiration: Impact of immediate cytologic review. Laryngoscope, 2010, 120, 1979-1984.	2.0	20
101	Patient Tolerance of the Flexible CO2 Laser for Office-based Laryngeal Surgery. Journal of Voice, 2010, 24, 750-754.	1.5	38
102	Cryptococcal meningitis with isolated otologic symptoms. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2010, 31, 49-53.	1.3	7
103	Hearing Loss in Children with Osteogenesis Imperfecta (OI) Treated with Bisphosphonates. Laryngoscope, 2009, 119, S134.	2.0	0