Travis White-schwoch

List of Publications by Year
in descending order

67 papers	2,753 citations	236925 25 h-index	197818 49 g-index
68 all docs	68 docs citations	68 times ranked	1779 citing authors

#	Article	IF	Citations
1	Aging Affects Neural Precision of Speech Encoding. Journal of Neuroscience, 2012, 32, 14156-14164.	3.6	327
2	Reversal of age-related neural timing delays with training. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4357-4362.	7.1	199
3	A dynamic auditory-cognitive system supports speech-in-noise perception in older adults. Hearing Research, 2013, 300, 18-32.	2.0	193
4	Beat synchronization predicts neural speech encoding and reading readiness in preschoolers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14559-14564.	7.1	169
5	Music Enrichment Programs Improve the Neural Encoding of Speech in At-Risk Children. Journal of Neuroscience, 2014, 34, 11913-11918.	3.6	159
6	Older Adults Benefit from Music Training Early in Life: Biological Evidence for Long-Term Training-Driven Plasticity. Journal of Neuroscience, 2013, 33, 17667-17674.	3.6	151
7	Unraveling the Biology of Auditory Learning: A Cognitiveâ€“Sensorimotorâ€“Reward Framework. Trends in Cognitive Sciences, 2015, 19, 642-654.	7.8	123
8	Evolving perspectives on the sources of the frequency-following response. Nature Communications, 2019, 10, 5036.	12.8	116
9	Effects of hearing loss on the subcortical representation of speech cues. Journal of the Acoustical Society of America, 2013, 133, 3030-3038.	1.1	110
10	Auditory Brainstem Response to Complex Sounds Predicts Self-Reported Speech-in-Noise Performance. Journal of Speech, Language, and Hearing Research, 2013, 56, 31-43.	1.6	97
11	Auditory Processing in Noise: A Preschool Biomarker for Literacy. PLoS Biology, 2015, 13, e1002196.	5.6	97
12	Training changes processing of speech cues in older adults with hearing loss. Frontiers in Systems Neuroscience, 2013, 7, 97.	2.5	75
13	Auditory biological marker of concussion in children. Scientific Reports, 2016, 6, 39009.	3.3	61
14	Children with autism spectrum disorder have unstable neural responses to sound. Experimental Brain Research, 2018, 236, 733-743.	1.5	59
15	Development of subcortical speech representation in human infants. Journal of the Acoustical Society of America, 2015, 137, 3346-3355.	1.1	54
16	Neurobiology of Everyday Communication: What Have We Learned From Music?. Neuroscientist, 2017, 23, 287-298.	3.5	49
17	Beat Synchronization across the Lifespan: Intersection of Development and Musical Experience. PLoS ONE, 2015, 10, e0128839.	2.5	44
18	Partial maintenance of auditory-based cognitive training benefits in older adults. Neuropsychologia, 2014, 62, 286-296.	1.6	43

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19	Individual Differences in Human Auditory Processing: Insights From Single-Trial Auditory Midbrain Activity in an Animal Model. Cerebral Cortex, 2017, 27, 5095-5115.	2.9	42
20	Individual Differences in Rhythm Skills: Links with Neural Consistency and Linguistic Ability. Journal of Cognitive Neuroscience, 2017, 29, 855-868.	2.3	37
21	The Frequency-Following Response: A Window into Human Communication. Springer Handbook of Auditory Research, 2017, , 1-15.	0.7	36
22	Individual differences in speech-in-noise perception parallel neural speech processing and attention in preschoolers. Hearing Research, 2017, 344, 148-157.	2.0	35
23	Case studies in neuroscience: subcortical origins of the frequency-following response. Journal of Neurophysiology, 2019, 122, 844-848.	1.8	32
24	The neural legacy of a single concussion. Neuroscience Letters, 2017, 646, 21-23.	2.1	30
25	Auditory-neurophysiological responses to speech during early childhood: Effects of background noise. Hearing Research, 2015, 328, 34-47.	2.0	29
26	Music training enhances the automatic neural processing of foreign speech sounds. Scientific Reports, 2017, 7, 12631.	3.3	28
27	Auditory learning through active engagement with sound: biological impact of community music lessons in at-risk children. Frontiers in Neuroscience, 2014, 8, 351.	2.8	27
28	Physiologic discrimination of stop consonants relates to phonological skills in pre-readers: a biomarker for subsequent reading ability?â€. Frontiers in Human Neuroscience, 2013, 7, 899.	2.0	25
29	Continued Maturation of the Click-Evoked Auditory Brainstem Response in Preschoolers. Journal of the American Academy of Audiology, 2015, 26, 030-035.	0.7	25
30	Difficulty hearing in noise: a sequela of concussion in children. Brain Injury, 2018, 32, 763-769.	1.2	25
31	Intertrial auditory neural stability supports beat synchronization in preschoolers. Developmental Cognitive Neuroscience, 2016, 17, 76-82.	4.0	23
32	Hemispheric Asymmetry of Endogenous Neural Oscillations in Young Children: Implications for Hearing Speech In Noise. Scientific Reports, 2016, 6, 19737.	3.3	22
33	Clapping in time parallels literacy and calls upon overlapping neural mechanisms in early readers. Annals of the New York Academy of Sciences, 2018, 1423, 338-348.	3.8	19
34	Native language shapes automatic neural processing of speech. Neuropsychologia, 2016, 89, 57-65.	1.6	18
35	Incorporation of feedback during beat synchronization is an index of neural maturation and reading skills. Brain and Language, 2017, 164, 43-52.	1.6	18
36	How Rhythmic Skills Relate and Develop in School-Age Children. Global Pediatric Health, 2019, 6, 2333794X1985204.	0.7	18

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37	Auditory neurophysiology reveals central nervous system dysfunction in HIV-infected individuals. Clinical Neurophysiology, 2020, 131, 1827-1832.	1.5	13
38	Population responses in primary auditory cortex simultaneously represent the temporal envelope and periodicity features in natural speech. Hearing Research, 2017, 348, 31-43.	2.0	12
39	Neurophysiological, linguistic, and cognitive predictors of childrenâ€™s ability to perceive speech in noise. Developmental Cognitive Neuroscience, 2019, 39, 100672.	4.0	12
40	Play Sports for a Quieter Brain: Evidence From Division I Collegiate Athletes. Sports Health, 2020, 12, 154-158.	2.7	10
41	Newborn Hearing Screening 2.0. Hearing Journal, 2016, 69, 44,46.	0.1	9
42	Distinct rhythmic abilities align with phonological awareness and rapid naming in school-age children. Cognitive Processing, 2020, 21, 575-581.	1.4	9
43	Neural stability: A reflection of automaticity in reading. Neuropsychologia, 2017, 103, 162-167.	1.6	8
44	Central Auditory Tests to Track Cognitive Function in People With HIV: Longitudinal Cohort Study. JMIR Formative Research, 2021, 5, e26406.	1.4	8
45	Rhythm, reading, and sound processing in the brain in preschool children. Npj Science of Learning, 2021, 6, 20.	2.8	7
46	Case studies in neuroscience: cortical contributions to the frequency-following response depend on subcortical synchrony. Journal of Neurophysiology, 2021, 125, 273-281.	1.8	6
47	Nonverbal cognitive assessment of children in Tanzania with and without HIV. Child Neuropsychology, 2022, 28, 107-119.	1.3	6
48	Stable auditory processing underlies phonological awareness in typically developing preschoolers. Brain and Language, 2019, 197, 104664.	1.6	5
49	Baseline profiles of auditory, vestibular, and visual functions in youth tackle football players. Concussion, 2019, 4, CNC66.	1.0	4
50	Performance on auditory, vestibular, and visual tests is stable across two seasons of youth tackle football. Brain Injury, 2020, 34, 236-244.	1.2	4
51	Long-term Follow-up of a Patient With Auditory Neuropathy and Normal Hearing Thresholds. JAMA Otolaryngology - Head and Neck Surgery, 2020, 146, 499.	2.2	4
52	The Argument for Music Education. American Scientist, 2020, 108, 210.	0.1	4
53	The Janus Face of Auditory Learning: How Life in Sound Shapes Everyday Communication. Springer Handbook of Auditory Research, 2017, , 121-158.	0.7	3
54	Multiple Cases of Auditory Neuropathy Illuminate the Importance of Subcortical Neural Synchrony for Speech-in-noise Recognition and the Frequency-following Response. Ear and Hearing, 2022, 43, 605-619.	2.1	3

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55	Timescales of Auditory Processing. Hearing Journal, 2016, 69, 36.	0.1	2
56	When (Part of) the Brain Can't Hear. Hearing Journal, 2019, 72, 40.	0.1	2
57	Clapping in Time With Feedback Relates Pervasively With Other Rhythmic Skills of Adolescents and Young Adults. Perceptual and Motor Skills, 2021, 128, 952-968.	1.3	2
58	Auditory neurophysiological development in early childhood: A growth curve modeling approach. Clinical Neurophysiology, 2021, 132, 2110-2122.	1.5	2
59	Feel the Vibrations: Understanding the Hearing-Emotion Connection. Hearing Journal, 2017, 70, 52,53.	0.1	1
60	Peripheral Auditory Function in Young HIV-Positive Adults With Clinically Normal Hearing. Otolaryngology - Head and Neck Surgery, 2021, , 019459982110471.	1.9	1
61	How HIV Disrupts the Hearing Brain. Hearing Journal, 2020, 73, 44.	0.1	1
62	cABR. Hearing Journal, 2015, 68, 8-9.	0.1	0
63	Listen to the Brain to Suss Out Concussions. Hearing Journal, 2017, 70, 56,57.	0.1	0
64	Difficulty Hearing in Noise? Listen to the Brain. Hearing Journal, 2019, 72, 46.	0.1	0
65	Learning to Listen to the Beat. Hearing Journal, 2021, 74, 47.	0.1	0
66	Concussions Impair Listening-in-Noise Abilities. Hearing Journal, 2018, 71, 44,46.	0.1	0
67	Subcortical Synchrony: A Bottleneck When Listening in Noise. Hearing Journal, 2021, 74, 26-27.	0.1	0