

# Mitchell Steinschneider

## List of Publications by Year in descending order

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72  
papers

4,038  
citations

136950

32  
h-index

123424

61  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural correlates of auditory stream segregation in primary auditory cortex of the awake monkey. <i>Hearing Research</i> , 2001, 151, 167-187.	2.0	244
2	Detection of stimulus deviance within primate primary auditory cortex: intracortical mechanisms of mismatch negativity (MMN) generation. <i>Brain Research</i> , 1994, 667, 192-200.	2.2	199
3	Coding of Repetitive Transients by Auditory Cortex on Heschl's Gyrus. <i>Journal of Neurophysiology</i> , 2009, 102, 2358-2374.	1.8	177
4	Temporal Encoding of the Voice Onset Time Phonetic Parameter by Field Potentials Recorded Directly From Human Auditory Cortex. <i>Journal of Neurophysiology</i> , 1999, 82, 2346-2357.	1.8	176
5	Auditory stream segregation in monkey auditory cortex: effects of frequency separation, presentation rate, and tone duration. <i>Journal of the Acoustical Society of America</i> , 2004, 116, 1656-1670.	1.1	172
6	Consonance and Dissonance of Musical Chords: Neural Correlates in Auditory Cortex of Monkeys and Humans. <i>Journal of Neurophysiology</i> , 2001, 86, 2761-2788.	1.8	162
7	Demonstration of mismatch negativity in the monkey. <i>Electroencephalography and Clinical Neurophysiology</i> , 1992, 83, 87-90.	0.3	155
8	Searching for the Mismatch Negativity in Primary Auditory Cortex of the Awake Monkey: Deviance Detection or Stimulus Specific Adaptation?. <i>Journal of Neuroscience</i> , 2012, 32, 15747-15758.	3.6	151
9	Click train encoding in primary auditory cortex of the awake monkey: Evidence for two mechanisms subserving pitch perception. <i>Journal of the Acoustical Society of America</i> , 1998, 104, 2935-2955.	1.1	132
10	Spectrotemporal Analysis of Evoked and Induced Electroencephalographic Responses in Primary Auditory Cortex (A1) of the Awake Monkey. <i>Cerebral Cortex</i> , 2008, 18, 610-625.	2.9	129
11	Representation of speech in human auditory cortex: Is it special?. <i>Hearing Research</i> , 2013, 305, 57-73.	2.0	122
12	Cellular generators of the cortical auditory evoked potential initial component. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1992, 84, 196-200.	2.0	121
13	Speech evoked activity in the auditory radiations and cortex of the awake monkey. <i>Brain Research</i> , 1982, 252, 353-365.	2.2	114
14	Speech-evoked activity in primary auditory cortex: effects of voice onset time. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1994, 92, 30-43.	2.0	111
15	Intracortical Responses in Human and Monkey Primary Auditory Cortex Support a Temporal Processing Mechanism for Encoding of the Voice Onset Time Phonetic Parameter. <i>Cerebral Cortex</i> , 2004, 15, 170-186.	2.9	104
16	Representation of the voice onset time (VOT) speech parameter in population responses within primary auditory cortex of the awake monkey. <i>Journal of the Acoustical Society of America</i> , 2003, 114, 307-321.	1.1	93
17	Intracranial Study of Speech-Elicited Activity on the Human Posterolateral Superior Temporal Gyrus. <i>Cerebral Cortex</i> , 2011, 21, 2332-2347.	2.9	91
18	Attention effects on auditory scene analysis in children. <i>Neuropsychologia</i> , 2009, 47, 771-785.	1.6	83

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19	Functional organization of human auditory cortex: Investigation of response latencies through direct recordings. <i>NeuroImage</i> , 2014, 101, 598-609.	4.2	78
20	Phase-locked cortical responses to a human speech sound and low-frequency tones in the monkey. <i>Brain Research</i> , 1980, 198, 75-84.	2.2	71
21	Sensorimotor performance in school-age children with autism, developmental language disorder, or low IQ. <i>Developmental Medicine and Child Neurology</i> , 2006, 48, 33.	2.1	71
22	Functional localization of auditory cortical fields of human: Click-train stimulation. <i>Hearing Research</i> , 2008, 238, 12-24.	2.0	63
23	Pitch vs. spectral encoding of harmonic complex tones in primary auditory cortex of the awake monkey. <i>Brain Research</i> , 1998, 786, 18-30.	2.2	59
24	Tonotopic organization of responses reflecting stop consonant place of articulation in primary auditory cortex (A1) of the monkey. <i>Brain Research</i> , 1995, 674, 147-152.	2.2	58
25	Neurophysiological evidence for context-dependent encoding of sensory input in human auditory cortex. <i>Brain Research</i> , 2006, 1075, 165-174.	2.2	54
26	Auditory Predictive Coding across Awareness States under Anesthesia: An Intracranial Electrophysiology Study. <i>Journal of Neuroscience</i> , 2018, 38, 8441-8452.	3.6	52
27	Complex tone processing in primary auditory cortex of the awake monkey. II. Pitch versus critical band representation. <i>Journal of the Acoustical Society of America</i> , 2000, 108, 247-262.	1.1	48
28	Temporally dynamic frequency tuning of population responses in monkey primary auditory cortex. <i>Hearing Research</i> , 2009, 254, 64-76.	2.0	48
29	Tonotopic features of speech-evoked activity in primate auditory cortex. <i>Brain Research</i> , 1990, 519, 158-168.	2.2	47
30	Complex tone processing in primary auditory cortex of the awake monkey. I. Neural ensemble correlates of roughness. <i>Journal of the Acoustical Society of America</i> , 2000, 108, 235-246.	1.1	47
31	Spectral Organization of the Human Lateral Superior Temporal Gyrus Revealed by Intracranial Recordings. <i>Cerebral Cortex</i> , 2014, 24, 340-352.	2.9	47
32	A human amygdala site that inhibits respiration and elicits apnea in pediatric epilepsy. <i>JCI Insight</i> , 2020, 5, .	5.0	45
33	Neural Correlates of Auditory Scene Analysis Based on Inharmonicity in Monkey Primary Auditory Cortex. <i>Journal of Neuroscience</i> , 2010, 30, 12480-12494.	3.6	42
34	Neural Representation of Harmonic Complex Tones in Primary Auditory Cortex of the Awake Monkey. <i>Journal of Neuroscience</i> , 2013, 33, 10312-10323.	3.6	40
35	Differential activation of human core, non-core and auditory-related cortex during speech categorization tasks as revealed by intracranial recordings. <i>Frontiers in Neuroscience</i> , 2014, 8, 240.	2.8	35
36	Sound identification in human auditory cortex: Differential contribution of local field potentials and high gamma power as revealed by direct intracranial recordings. <i>Brain and Language</i> , 2015, 148, 37-50.	1.6	35

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37	Processing of auditory novelty across the cortical hierarchy: An intracranial electrophysiology study. <i>NeuroImage</i> , 2018, 183, 412-424.	4.2	35
38	Extended Clinical Spectrum of Anti-N-Methyl-D-Aspartate Receptor Encephalitis in Children: A Case Series. <i>Pediatric Neurology</i> , 2017, 72, 51-55.	2.1	32
39	Common fronto-temporal effective connectivity in humans and monkeys. <i>Neuron</i> , 2021, 109, 852-868.e8.	8.1	28
40	The phonotactic influence on the perception of a consonant cluster /pt/ by native English and native Polish listeners: A behavioral and event related potential (ERP) study. <i>Brain and Language</i> , 2012, 123, 30-41.	1.6	26
41	The effect of native-language experience on the sensory-obligatory components, the P1-N1-P2 and the T-complex. <i>Brain Research</i> , 2013, 1522, 31-37.	2.2	26
42	Electrocorticographic Activation within Human Auditory Cortex during Dialog-Based Language and Cognitive Testing. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 202.	2.0	26
43	Modulation of response patterns in human auditory cortex during a target detection task: An intracranial electrophysiology study. <i>International Journal of Psychophysiology</i> , 2015, 95, 191-201.	1.0	25
44	Electrophysiology of the Human Superior Temporal Sulcus during Speech Processing. <i>Cerebral Cortex</i> , 2021, 31, 1131-1148.	2.9	24
45	Classification of Complex Features of Febrile Seizures: Interrater Agreement. <i>Epilepsia</i> , 1992, 33, 661-666.	5.1	23
46	Neural mechanisms of rhythmic masking release in monkey primary auditory cortex: implications for models of auditory scene analysis. <i>Journal of Neurophysiology</i> , 2012, 107, 2366-2382.	1.8	22
47	Electrocorticographic delineation of human auditory cortical fields based on effects of propofol anesthesia. <i>NeuroImage</i> , 2017, 152, 78-93.	4.2	21
48	Neural Representation of Concurrent Harmonic Sounds in Monkey Primary Auditory Cortex: Implications for Models of Auditory Scene Analysis. <i>Journal of Neuroscience</i> , 2014, 34, 12425-12443.	3.6	20
49	Differential responses to spectrally degraded speech within human auditory cortex: An intracranial electrophysiology study. <i>Hearing Research</i> , 2019, 371, 53-65.	2.0	20
50	Lymphoma with primary cardiac manifestations. <i>American Heart Journal</i> , 1986, 111, 808-811.	2.7	18
51	Spectral Resolution of Monkey Primary Auditory Cortex (A1) Revealed With Two-Noise Masking. <i>Journal of Neurophysiology</i> , 2006, 96, 1105-1115.	1.8	18
52	Attention modifies sound level detection in young children. <i>Developmental Cognitive Neuroscience</i> , 2011, 1, 351-360.	4.0	18
53	Intracranial Electrophysiology of Auditory Selective Attention Associated with Speech Classification Tasks. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 691.	2.0	16
54	Auditory Evoked Potentials and Their Utility in the Assessment of Complex Sound Processing. , 2011, , 535-559.		16

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55	Representation of spectro-temporal features of spoken words within the P1-N1-P2 and T-complex of the auditory evoked potentials (AEP). <i>Neuroscience Letters</i> , 2016, 614, 119-126.	2.1	15
56	Enhanced physiologic discriminability of stop consonants with prolonged formant transitions in awake monkeys based on the tonotopic organization of primary auditory cortex. <i>Hearing Research</i> , 2011, 271, 103-114.	2.0	14
57	Cortical responses to auditory novelty across task conditions: An intracranial electrophysiology study. <i>Hearing Research</i> , 2021, 399, 107911.	2.0	14
58	Neuro-Behavioral Disease Presenting With Acute Psychosis in an Adolescent. <i>Journal of Child Neurology</i> , 2014, 29, NP86-NP91.	1.4	13
59	Effects of musical training on sound pattern processing in high-school students. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2009, 73, 751-755.	1.0	12
60	Formation of auditory streams. , 2010, , .		10
61	A Crucial Test of the Population Separation Model of Auditory Stream Segregation in Macaque Primary Auditory Cortex. <i>Journal of Neuroscience</i> , 2017, 37, 10645-10655.	3.6	10
62	Unlocking the role of the superior temporal gyrus for speech sound categorization. <i>Journal of Neurophysiology</i> , 2011, 105, 2631-2633.	1.8	9
63	Neural Representation of Concurrent Vowels in Macaque Primary Auditory Cortex. <i>ENeuro</i> , 2016, 3, ENEURO.0071-16.2016.	1.9	9
64	Phonemic Representations and Categories. <i>Springer Handbook of Auditory Research</i> , 2013, , 151-191.	0.7	8
65	Cortical Responses to Vowel Sequences in Awake and Anesthetized States: A Human Intracranial Electrophysiology Study. <i>Cerebral Cortex</i> , 2021, 31, 5435-5448.	2.9	7
66	Gamma Activation and Alpha Suppression within Human Auditory Cortex during a Speech Classification Task. <i>Journal of Neuroscience</i> , 2022, 42, 5034-5046.	3.6	7
67	Identifying complex features of febrile seizures: Medical record review versus medical record plus interview. <i>Journal of Epilepsy</i> , 1993, 6, 133-138.	0.4	5
68	Arousal State-Dependence of Interactions Between Short- and Long-Term Auditory Novelty Responses in Human Subjects. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 737230.	2.0	5
69	Acoustic-level and language-specific processing of native and non-native phonological sequence onsets in the low gamma and theta-frequency bands. <i>Scientific Reports</i> , 2022, 12, 314.	3.3	4
70	Language Experience with a Native-Language Phoneme Sequence Modulates the Effects of Attention on Cortical Sensory Processing. <i>Frontiers in Neuroscience</i> , 2017, 11, 569.	2.8	3
71	Advances in auditory neuroscience. <i>International Journal of Psychophysiology</i> , 2015, 95, 63-64.	1.0	1
72	Rate encoding of binaurally alternating low-frequency tone bursts in macaque A1. <i>Journal of the Acoustical Society of America</i> , 1997, 101, 3123-3123.	1.1	0