

# Shigeto Furukawa

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

1,065  
citations

567281  
15  
h-index

454955  
30  
g-index

77  
all docs

77  
docs citations

77  
times ranked

851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expectations of the timing and intensity of a stimulus propagate to the auditory periphery through the medial olivocochlear reflex. <i>Cerebral Cortex</i> , 2022, 32, 5121-5131.	2.9	2
2	Temporal dynamics of auditory bistable perception correlated with fluctuation of baseline pupil size. <i>Psychophysiology</i> , 2022, , e14028.	2.4	1
3	Conversion of amplitude modulation to phase modulation in the human cochlea. <i>Hearing Research</i> , 2021, 408, 108274.	2.0	0
4	Auditory brainstem responses in adults with autism spectrum disorder. <i>Clinical Neurophysiology Practice</i> , 2021, 6, 179-184.	1.4	5
5	Relationship of postsaccadic oscillation with the state of the pupil inside the iris and with cognitive processing. <i>Journal of Neurophysiology</i> , 2020, 123, 484-495.	1.8	0
6	Factors Influencing Saccadic Reaction Time: Effect of Task Modality, Stimulus Saliency, Spatial Congruency of Stimuli, and Pupil Size. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 571893.	2.0	3
7	Proximal Binaural Sound Can Induce Subjective Frisson. <i>Frontiers in Psychology</i> , 2020, 11, 316.	2.1	6
8	Chimeric sounds with shuffled "texture" and "content" synthesized by a model of the auditory system. <i>Acoustical Science and Technology</i> , 2020, 41, 337-340.	0.5	0
9	Examination of efficient coding model for auditory nerves during infant development. <i>Acoustical Science and Technology</i> , 2020, 41, 351-354.	0.5	0
10	Relationship between characteristics of medial olivocochlear reflex and speech-in-noise-reception performance. <i>Acoustical Science and Technology</i> , 2020, 41, 404-407.	0.5	3
11	Data-driven approaches for unveiling the neurophysiological functions of the auditory system. <i>Acoustical Science and Technology</i> , 2020, 41, 63-66.	0.5	1
12	Cascaded Tuning to Amplitude Modulation for Natural Sound Recognition. <i>Journal of Neuroscience</i> , 2019, 39, 5517-5533.	3.6	25
13	Rapid Ocular Responses Are Modulated by Bottom-up-Driven Auditory Saliency. <i>Journal of Neuroscience</i> , 2019, 39, 7703-7714.	3.6	33
14	Pupil-linked phasic arousal evoked by violation but not emergence of regularity within rapid sound sequences. <i>Nature Communications</i> , 2019, 10, 4030.	12.8	60
15	Relationship between cochlear mechanics and speech-in-noise reception performance. <i>Journal of the Acoustical Society of America</i> , 2019, 146, EL265-EL271.	1.1	0
16	Microsaccades and pupillary responses represent the focus of auditory attention. <i>Journal of Vision</i> , 2019, 19, 273b.	0.3	0
17	Pupillometry and Microsaccade Responses Reveal Unconscious Processing of Face Information Under Interocular Suppression. <i>Journal of Vision</i> , 2019, 19, 61b.	0.3	0
18	Light-synchronized tapping task as an objective method for estimating auditory detection threshold. <i>Acoustical Science and Technology</i> , 2018, 39, 30-36.	0.5	0

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19	Do Speech Contexts Induce Constancy of Material Perception Based on Impact Sound Under Reverberation?. <i>Acta Acustica United With Acustica</i> , 2018, 104, 796-799.	0.8	1
20	A Preceding Sound Expedites Medial Olivocochlear Reflex. <i>Acta Acustica United With Acustica</i> , 2018, 104, 804-808.	0.8	3
21	Pupillary dilation response reflects surprising moments in music. <i>Journal of Eye Movement Research</i> , 2018, 11, .	0.8	7
22	Comparison of perceptual properties of auditory streaming between spectral and amplitude modulation domains. <i>Hearing Research</i> , 2017, 350, 244-250.	2.0	4
23	Trading of dynamic interaural time and level difference cues and its effect on the auditory motion-onset response measured with electroencephalography. <i>NeuroImage</i> , 2017, 159, 185-194.	4.2	5
24	Context-Dependent Effect of Reverberation on Material Perception from Impact Sound. <i>Scientific Reports</i> , 2017, 7, 16455.	3.3	6
25	Auditory Mismatch Negativity in Response to Changes of Counter-Balanced Interaural Time and Level Differences. <i>Frontiers in Neuroscience</i> , 2017, 11, 387.	2.8	4
26	Human Pupillary Dilation Response to Deviant Auditory Stimuli: Effects of Stimulus Properties and Voluntary Attention. <i>Frontiers in Neuroscience</i> , 2016, 10, 43.	2.8	78
27	A Role of Medial Olivocochlear Reflex as a Protection Mechanism from Noise-Induced Hearing Loss Revealed in Short-Practicing Violinists. <i>PLoS ONE</i> , 2016, 11, e0146751.	2.5	19
28	Subcortical correlates of auditory perceptual organization in humans. <i>Hearing Research</i> , 2016, 339, 104-111.	2.0	10
29	The effect of distraction on change detection in crowded acoustic scenes. <i>Hearing Research</i> , 2016, 341, 179-189.	2.0	11
30	Relation Between Cochlear Mechanics and Performance of Temporal Fine Structure-Based Tasks. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2016, 17, 541-557.	1.8	8
31	Correspondences among pupillary dilation response, subjective salience of sounds, and loudness. <i>Psychonomic Bulletin and Review</i> , 2016, 23, 412-425.	2.8	67
32	Contributions of Coding Efficiency of Temporal-Structure and Level Information to Lateralization Performance in Young and Early-Elderly Listeners. <i>Advances in Experimental Medicine and Biology</i> , 2016, 894, 19-28.	1.6	4
33	Processing of temporal information in the auditory system. <i>Audiology Japan</i> , 2016, 59, 615-622.	0.1	1
34	Effects of Frequency Separation and Diotic/Dichotic Presentations on the Alternation Frequency Limits in Audition Derived from a Temporal Phase Discrimination Task. <i>Perception</i> , 2015, 44, 198-214.	1.2	1
35	Factors that account for inter-individual variability of lateralization performance revealed by correlations of performance among multiple psychoacoustical tasks. <i>Frontiers in Neuroscience</i> , 2014, 8, 27.	2.8	10
36	Independent or integrated processing of interaural time and level differences in human auditory cortex?. <i>Hearing Research</i> , 2014, 312, 121-127.	2.0	12

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37	Interindividual Variation of Sensitivity to Frequency Modulation: Its Relation with Click-Evoked and Distortion Product Otoacoustic Emissions. JARO - Journal of the Association for Research in Otolaryngology, 2014, 15, 175-186.	1.8	5
38	How Independent Are the Pitch and Interaural-Time-Difference Mechanisms That Rely on Temporal Fine Structure Information?. Advances in Experimental Medicine and Biology, 2013, 787, 91-99.	1.6	4
39	Insensitivity to the coherence of interaural-time-difference modulation across frequency channels. Acoustical Science and Technology, 2013, 34, 397-403.	0.5	0
40	Comparisons of temporal frequency limits for cross-attribute binding tasks in vision and audition. Journal of Vision, 2013, 13, 885-885.	0.3	0
41	Detection of simultaneous modulation of interaural time and level differences: Effects of modulation rate and relative phase (L). Journal of the Acoustical Society of America, 2012, 132, 1-4.	1.1	7
42	Photosensitive-polyimide based method for fabricating various neural electrode architectures. Frontiers in Neuroengineering, 2012, 5, 11.	4.8	20
43	Effects of irradiation of near-infrared laser on waveform and amplitude of auditory evoked potentials in the guinea pig. Neuroscience Research, 2011, 71, e354.	1.9	0
44	Contribution of acoustical characteristics to auditory perception of silent object. , 2011, , .		3
45	Detection of combined changes in interaural time and intensity differences: Segregated mechanisms in cue type and in operating frequency range?. Journal of the Acoustical Society of America, 2008, 123, 1602-1617.	1.1	10
46	A photosensitive polyimide based method for an easy fabrication of multichannel neural electrodes. , 2008, 2008, 5802-5.		1
47	Sensitivity of the auditory middle latency response of the guinea pig to interaural level and time differences. Hearing Research, 2006, 212, 48-57.	2.0	4
48	Dependency of the Interaural Phase Difference Sensitivities of Inferior Collicular Neurons on a Preceding Tone and Its Implications in Neural Population Coding. Journal of Neurophysiology, 2005, 93, 3313-3326.	1.8	19
49	Acoustical cues for sound localization by the Mongolian gerbil, Meriones unguiculatus. Journal of the Acoustical Society of America, 2005, 118, 872-886.	1.1	72
50	Reducing individual differences in the external-ear transfer functions of the Mongolian gerbil. Journal of the Acoustical Society of America, 2005, 118, 2392-2404.	1.1	8
51	The responses of neurons in the gerbil inferior colliculus to virtual acoustic space stimuli. Acoustical Science and Technology, 2005, 26, 82-84.	0.5	0
52	Head-related transfer functions of the Mongolian gerbil in the median plane. Acoustical Science and Technology, 2003, 24, 330-332.	0.5	2
53	Responses of neurons in the inferior colliculus to a dynamic-level stimulus that simulates a sound source with varying distance. Acoustical Science and Technology, 2003, 24, 318-321.	0.5	0
54	Cortical Representation of Auditory Space: Information-Bearing Features of Spike Patterns. Journal of Neurophysiology, 2002, 87, 1749-1762.	1.8	163

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55	Location Signaling by Cortical Neurons. Springer Handbook of Auditory Research, 2002, , 319-357.	0.7	6
56	Temporal characteristics of neural sensitivities to the interaural phase difference in the inferior colliculus.. Acoustical Science and Technology, 2002, 23, 286-288.	0.5	0
57	Sensitivity of Auditory Cortical Neurons to Locations of Signals and Competing Noise Sources. Journal of Neurophysiology, 2001, 86, 226-240.	1.8	27
58	Cortical codes for sound localization. Acoustical Science and Technology, 2001, 22, 69-76.	0.5	0
59	Auditory Cortical Images of Tones and Noise Bands. JARO - Journal of the Association for Research in Otolaryngology, 2000, 1, 183-194.	1.8	27
60	Coding of Sound-Source Location by Ensembles of Cortical Neurons. Journal of Neuroscience, 2000, 20, 1216-1228.	3.6	139
61	Cortical Mechanisms for Auditory Spatial Illusions. Acta Oto-Laryngologica, 2000, 120, 263-266.	0.9	4
62	Auditory cortical responses in the cat to sounds that produce spatial illusions. Nature, 1999, 399, 688-691.	27.8	30
63	Sensitivity to Sound-Source Elevation in Nontotopic Auditory Cortex. Journal of Neurophysiology, 1998, 80, 882-894.	1.8	46
64	Dependence of frequency modulation detection on frequency modulation coherence across carriers: Effects of modulation rate, harmonicity, and roving of the carrier frequencies. Journal of the Acoustical Society of America, 1997, 101, 1632-1643.	1.1	11
65	Effect of the relative phase of amplitude modulation on the detection of modulation on two carriers. Journal of the Acoustical Society of America, 1997, 102, 3657-3664.	1.1	5
66	Across-channel processes in frequency modulation detection. Journal of the Acoustical Society of America, 1996, 100, 2299-2311.	1.1	12