

# Shozo Tobimatsu

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

1,199  
citations

471061

17  
h-index

414034

32  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1419  
citing authors

#	ARTICLE	IF	CITATIONS
1	Western versus asian types of multiple sclerosis: Immunogenetically and clinically distinct disorders. <i>Annals of Neurology</i> , 1996, 40, 569-574.	2.8	283
2	Studies of human visual pathophysiology with visual evoked potentials. <i>Clinical Neurophysiology</i> , 2006, 117, 1414-1433.	0.7	164
3	Vitamin B12 Metabolism and Massive-Dose Methyl Vitamin B12 Therapy in Japanese Patients with Multiple Sclerosis.. <i>Internal Medicine</i> , 1994, 33, 82-86.	0.3	52
4	Phase and Frequency-Dependent Effects of Transcranial Alternating Current Stimulation on Motor Cortical Excitability. <i>PLoS ONE</i> , 2016, 11, e0162521.	1.1	50
5	Effects of stimulus orientation on spatial frequency function of the visual evoked potential. <i>Experimental Brain Research</i> , 2000, 131, 121-125.	0.7	35
6	Chromatic sensitive epilepsy: A variant of photosensitive epilepsy. <i>Annals of Neurology</i> , 1999, 45, 790-793.	2.8	34
7	Connectopathy in Autism Spectrum Disorders: A Review of Evidence from Visual Evoked Potentials and Diffusion Magnetic Resonance Imaging. <i>Frontiers in Neuroscience</i> , 2017, 11, 627.	1.4	30
8	Proposal for a new MEG-MRI co-registration: A 3D laser scanner system. <i>Clinical Neurophysiology</i> , 2014, 125, 2404-2412.	0.7	29
9	Age-related changes across the primary and secondary somatosensory areas: An analysis of neuromagnetic oscillatory activities. <i>Clinical Neurophysiology</i> , 2014, 125, 1021-1029.	0.7	28
10	Frequency-dependent changes in sensorimotor and pain affective systems induced by empathy for pain. <i>Journal of Pain Research</i> , 2017, Volume 10, 1317-1326.	0.8	28
11	The inhibition/excitation ratio related to task-induced oscillatory modulations during a working memory task: A multimodal-imaging study using MEG and MRS. <i>NeuroImage</i> , 2016, 128, 302-315.	2.1	27
12	Prestimulus cortical EEG oscillations can predict the excitability of the primary motor cortex. <i>Brain Stimulation</i> , 2019, 12, 1508-1516.	0.7	27
13	Localization of Stereotactic Targets by Microrecording of Thalamic Somatosensory Evoked Potentials. <i>Neurosurgery</i> , 1991, 28, 223-230.	0.6	26
14	Transcranial alternating current stimulation of $\hat{1}\pm$ but not $\hat{1}^2$ frequency sharpens multiple visual functions. <i>Brain Stimulation</i> , 2020, 13, 343-352.	0.7	24
15	Neuromagnetic detection of the laryngeal area: Sensory-evoked fields to air-puff stimulation. <i>NeuroImage</i> , 2014, 88, 162-169.	2.1	23
16	A spatiotemporal signature of cortical pain relief by tactile stimulation: An MEG study. <i>NeuroImage</i> , 2016, 130, 175-183.	2.1	23
17	A Potential VEP Biomarker for Mild Cognitive Impairment: Evidence from Selective Visual Deficit of Higher-Level Dorsal Pathway. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 661-676.	1.2	21
18	Neural oscillations in the temporal pole for a temporally congruent audio-visual speech detection task. <i>Scientific Reports</i> , 2016, 6, 37973.	1.6	21

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19	Human VEPs to isoluminant chromatic and achromatic sinusoidal gratings: Separation of parvocellular components. <i>Brain Topography</i> , 1996, 8, 241-243.	0.8	18
20	Altered neural synchronization to pure tone stimulation in patients with mesial temporal lobe epilepsy: An MEG study. <i>Epilepsy and Behavior</i> , 2018, 88, 96-105.	0.9	16
21	Abnormal auditory synchronization in stuttering: A magnetoencephalographic study. <i>Hearing Research</i> , 2017, 344, 82-89.	0.9	15
22	Properties of rat cone-mediated electroretinograms during light adaptation. <i>Current Eye Research</i> , 1999, 19, 248-253.	0.7	14
23	Neuromagnetic evidence for hippocampal modulation of auditory processing. <i>NeuroImage</i> , 2016, 124, 256-266.	2.1	14
24	Grand Total EEG Score Can Differentiate Parkinson's Disease From Parkinson-Related Disorders. <i>Frontiers in Neurology</i> , 2019, 10, 398.	1.1	14
25	Driving Ability in Alzheimer Disease Spectrum: Neural Basis, Assessment, and Potential Use of Optic Flow Event-Related Potentials. <i>Frontiers in Neurology</i> , 2018, 9, 750.	1.1	12
26	Monaural 40-Hz auditory steady-state magnetic responses can be useful for identifying epileptic focus in mesial temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2019, 130, 341-351.	0.7	11
27	Spatiotemporal brain dynamics of auditory temporal assimilation. <i>Scientific Reports</i> , 2017, 7, 11400.	1.6	10
28	Different hemispheric specialization for face/word recognition: A high-density ERP study with hemifield visual stimulation. <i>Brain and Behavior</i> , 2020, 10, e01649.	1.0	10
29	Decreased Gray Matter Volume of Right Inferior Parietal Lobule Is Associated With Severity of Mental Disorientation in Patients With Mild Cognitive Impairment. <i>Frontiers in Neurology</i> , 2018, 9, 1086.	1.1	9
30	Enhanced Fine-Form Perception Does Not Contribute to Gestalt Face Perception in Autism Spectrum Disorder. <i>PLoS ONE</i> , 2017, 12, e0170239.	1.1	9
31	Chapter 6 An integrated approach to face and motion perception in humans. <i>Supplements To Clinical Neurophysiology</i> , 2006, 59, 43-48.	2.1	8
32	Neuromagnetic evidence that the right fusiform face area is essential for human face awareness: An intermittent binocular rivalry study. <i>Neuroscience Research</i> , 2016, 109, 54-62.	1.0	8
33	Different vulnerability of rat retinal cells to methylmercury exposure. <i>Current Eye Research</i> , 2001, 23, 171-178.	0.7	7
34	Non-invasive Evaluation of Face and Motion Perception in Humans. <i>Journal of Physiological Anthropology and Applied Human Science</i> , 2004, 23, 273-276.	0.4	7
35	Usefulness of epidurally evoked cortical potential monitoring during cervicomedullary glioma surgery. <i>Journal of Clinical Monitoring and Computing</i> , 1991, 7, 30-34.	0.6	6
36	Perceptual inequality between two neighboring time intervals defined by sound markers: correspondence between neurophysiological and psychological data. <i>Frontiers in Psychology</i> , 2014, 5, 937.	1.1	6

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37	Gender differences in subliminal affective face priming: A high-density ERP study. <i>Brain and Behavior</i> , 2021, 11, e02060.	1.0	6
38	Modular organization of intrinsic brain networks: A graph theoretical analysis of resting-state fMRI. , 2012, , .		5
39	Modified ischaemic nerve block of the forearm: use for the induction of cortical plasticity in distal hand muscles. <i>Journal of Physiology</i> , 2019, 597, 3457-3471.	1.3	5
40	Neuromagnetic correlates of hemispheric specialization for face and word recognition. <i>Neuroscience Research</i> , 2020, 156, 108-116.	1.0	5
41	A novel method for extracting interictal epileptiform discharges in multi-channel MEG: Use of fractional type of blind source separation. <i>Clinical Neurophysiology</i> , 2020, 131, 425-436.	0.7	5
42	Rapidly spreading seizures arise from large-scale functional brain networks in focal epilepsy. <i>NeuroImage</i> , 2021, 237, 118104.	2.1	5
43	Long-Term Effect of Acetylcholinesterase Inhibitors on the Dorsal Attention Network of Alzheimer's Disease Patients: A Pilot Study Using Resting-State Functional Magnetic Resonance Imaging. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 810206.	1.7	5
44	A neural decoding approach to auditory temporal assimilation. <i>Neural Computing and Applications</i> , 2011, 20, 965-973.	3.2	4
45	A specific phase of transcranial alternating current stimulation at the $\hat{1}^2$ frequency boosts repetitive paired-pulse TMS-induced plasticity. <i>Scientific Reports</i> , 2021, 11, 13179.	1.6	4
46	Secondary somatosensory area is involved in vibrotactile temporal-structure processing: MEG analysis of slow cortical potential shifts in humans. <i>Somatosensory &amp; Motor Research</i> , 2020, 37, 222-232.	0.4	3
47	Transcranial direct current stimulation over premotor cortex modifies the excitability of the ipsilateral primary motor and somatosensory cortices. , 2009, , .		2
48	A deficit of dorsal stream function in patients with mild cognitive impairment and Alzheimer's disease. , 2012, , .		2
49	Multimodality evoked potentials for discrimination of atopic myelitis and multiple sclerosis. <i>Clinical and Experimental Neuroimmunology</i> , 2013, 4, 29-35.	0.5	2
50	Repetitive Paired-pulse Transcranial Magnetic Stimulation Over the Visual Cortex Selectively Inhibits Focal Flash VEPs. <i>Brain Stimulation</i> , 2014, 7, 275-280.	0.7	2
51	Neural substrates of species-dependent visual processing of faces: use of morphed faces. <i>Physiological Reports</i> , 2015, 3, e12387.	0.7	2
52	"Time-shrinking perception" in the visual system: a psychophysical and high-density ERP study. <i>Experimental Brain Research</i> , 2016, 234, 3279-3290.	0.7	2
53	Vertical size disparity induces enhanced neural responses in good stereo observers. <i>Vision Research</i> , 2019, 164, 24-33.	0.7	2
54	Neuromagnetic oscillations in the human sensory systems: A mini review of our series and literature. <i>Neuroscience Research</i> , 2020, 156, 117-129.	1.0	2

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55	Branchial myorhythmia in a case of systemic lupus erythematosus. <i>Journal of the Neurological Sciences</i> , 2020, 408, 116501.	0.3	2
56	Bilateral Representation of Sensorimotor Responses in Benign Adult Familial Myoclonus Epilepsy: An MEG Study. <i>Frontiers in Neurology</i> , 2021, 12, 759866.	1.1	2
57	Modulation of Intracortical Inhibition and Facilitation of Motor Cortex Through Transcranial Direct Current Stimulation. , 2007, , .		1
58	Innovation for visual stimuli: From the retina to primary visual cortex. , 2010, , .		1
59	Efficacy of High-frequency Magnetic Stimulation of the Sacral Root in Patients with Urinary Incontinence Following a Radical Prostatectomy. <i>LUTS: Lower Urinary Tract Symptoms</i> , 2011, 3, 10-14.	0.6	1
60	Neuromagnetic changes of the somatosensory information processing in normal aging. , 2012, , .		1
61	Characteristic analysis of visual evoked potentials and posterior dominant rhythm by use of EEG model. , 2013, , .		1
62	Decreased stimulus-driven connectivity of the primary visual cortex during visual motion stimulation in amnesic mild cognitive impairment: An fMRI study. <i>Neuroscience Letters</i> , 2019, 711, 134402.	1.0	1
63	Understanding cortical pain perception in humans. <i>Neurology and Clinical Neuroscience</i> , 2021, 9, 24-29.	0.2	1
64	Late responses in the anterior insula reflect the cognitive component of pain: evidence of nonpain processing. <i>Pain Reports</i> , 2022, 7, e984.	1.4	1
65	Minimal record of disability in multiple sclerosis - application to Japanese patients. <i>Acta Neurologica Scandinavica</i> , 2009, 70, 100-104.	1.0	0
66	Parallel visual pathways and face perception. , 2010, , .		0
67	Topography estimation of visual evoked potential by combinational use of mathematical models. , 2011, , .		0
68	An ERP study on species-specific face processing: Morphing human face into monkey face. , 2012, , .		0
69	Visual Gnosis and Face Perception. <i>International Journal of Computational Models and Algorithms in Medicine</i> , 2012, 3, 11-20.	0.4	0
70	Facial identity influences facial expression recognition: A high-density ERP study. <i>Neuroscience Letters</i> , 2020, 725, 134911.	1.0	0
71	Data-point-wise spatiotemporal mapping of human ventral visual areas: Use of spatial frequency/luminance-modulated chromatic faces. <i>NeuroImage</i> , 2021, 239, 118325.	2.1	0
72	III. Diagnostic Testing of Epilepsy. <i>The Journal of the Japanese Society of Internal Medicine</i> , 2016, 105, 1366-1374.	0.0	0

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73	A Novel Method for Extracting Interictal Epileptiform Discharges in Multi-channel MEG and Developing Support Analysis Tool. Journal of the Japan Epilepsy Society, 2020, 38, 83-90.	0.1	0
74	Weighted Blind Source Separation Can Decompose the Frequency Mismatch Response by Deviant Concatenation: An MEG Study. Frontiers in Neurology, 2022, 13, 762497.	1.1	0