Masaki Nakanishi

List of Publications by Year
in descending order

44 papers	2,339 citations	623574 14 h-index	713332 21 g-index
45 all docs	45 docs citations	45 times ranked	1336 citing authors

#	Article	IF	Citations
1	High-speed spelling with a noninvasive brain–computer interface. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6058-67.	3.3	671
2	Enhancing Detection of SSVEPs for a High-Speed Brain Speller Using Task-Related Component Analysis. IEEE Transactions on Biomedical Engineering, 2018, 65, 104-112.	2.5	493
3	A HIGH-SPEED BRAIN SPELLER USING STEADY-STATE VISUAL EVOKED POTENTIALS. International Journal of Neural Systems, 2014, 24, 1450019.	3.2	287
4	A Comparison Study of Canonical Correlation Analysis Based Methods for Detecting Steady-State Visual Evoked Potentials. PLoS ONE, 2015, 10, e0140703.	1.1	241
5	Generating Visual Flickers for Eliciting Robust Steady-State Visual Evoked Potentials at Flexible Frequencies Using Monitor Refresh Rate. PLoS ONE, 2014, 9, e99235.	1.1	81
6	Detecting Glaucoma With a Portable Brain-Computer Interface for Objective Assessment of Visual Function Loss. JAMA Ophthalmology, 2017, 135, 550.	1.4	78
7	An Online Brain-Computer Interface Based on SSVEPs Measured From Non-Hair-Bearing Areas. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 14-21.	2.7	55
8	Hybrid frequency and phase coding for a high-speed SSVEP-based BCI speller. , 2014, 2014, 3993-6.		43
9	Facilitating Calibration in High-Speed BCI Spellers via Leveraging Cross-Device Shared Latent Responses. IEEE Transactions on Biomedical Engineering, 2020, 67, 1105-1113.	2.5	32
10	Enhancing detection of steady-state visual evoked potentials using individual training data. , 2014, 2014, 3037-40.		30
11	Boosting template-based SSVEP decoding by cross-domain transfer learning. Journal of Neural Engineering, 2021, 18, 016002.	1.8	30
12	Unsupervised frequency-recognition method of SSVEPs using a filter bank implementation of binary subband CCA. Journal of Neural Engineering, 2017, 14, 026007.	1.8	26
13	EEG-Based Brain-Computer Interfaces. Advances in Experimental Medicine and Biology, 2019, 1101, 41-65.	0.8	26
14	Cross-Subject Transfer Learning Improves the Practicality of Real-World Applications of Brain-Computer Interfaces. , 2019, , .		25
15	Assessing the effects of voluntary and involuntary eyeblinks in independent components of electroencephalogram. Neurocomputing, 2016, 193, 20-32.	3.5	21
16	Session-to-Session Transfer in Detecting Steady-State Visual Evoked Potentials with Individual Training Data. Lecture Notes in Computer Science, 2016, , 253-260.	1.0	18
17	EEG-Based User Authentication Using a Convolutional Neural Network. , 2019, , .		18
18	Fast detection of covert visuospatial attention using hybrid N2pc and SSVEP features. Journal of Neural Engineering, 2016, 13, 066003.	1.8	17

#	Article	IF	Citations
19	Online Adaptation Boosts SSVEP-Based BCI Performance. IEEE Transactions on Biomedical Engineering, 2022, 69, 2018-2028.	2.5	16
20	Enhancing unsupervised canonical correlation analysis-based frequency detection of SSVEPs by incorporating background EEG. , 2014, 2014, 3053-6.		13
21	Glaucoma and Driving Risk under Simulated Fog Conditions. Translational Vision Science and Technology, 2016, 5, 15.	1.1	12
22	Developing an online steady-state visual evoked potential-based brain-computer interface system using EarEEG. , 2015, 2015, 2271-4.		11
23	A dynamic stopping method for improving performance of steady-state visual evoked potential based brain-computer interfaces. , 2015, 2015, 1057-60.		10
24	Wheelchair control system by using electrooculogram signal processing. , 2013, , .		9
25	An approximation approach for rendering visual flickers in SSVEP-based BCI using monitor refresh rate. , 2013, 2013, 2176-9.		9
26	Exploring Human Variability in Steady-State Visual Evoked Potentials. , 2018, , .		8
27	Robustness analysis of decoding SSVEPs in humans with head movements using a moving visual flicker. Journal of Neural Engineering, 2020, 17, 016009.	1.8	6
28	Spatial filtering techniques for improving individual template-based SSVEP detection. , 0, , 219-242.		6
29	Independent component analysis-based spatial filtering improves template-based SSVEP detection. , 2017, 2017, 3620-3623.		5
30	Does frequency resolution affect the classification performance of steady-state visual evoked potentials?. , 2017, , .		4
31	Semi-simulation Experiments for Quantifying the Performance of SSVEP-based BCI after Reducing Artifacts from Trapezius Muscles. , 2018, 2018, 4824-4827.		4
32	Waveform-Based Multi-Stimulus Coding for Brain-Computer Interfaces Based on Steady-State Visual Evoked Potentials. , 2018, , .		4
33	Questionable Classification Accuracy Reported in â€œDesigning a Sum of Squared Correlations Framework for Enhancing SSVEP-Based BCIsâ€• IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1042-1043.	2.7	4
34	Integrating interference frequency components elicited by monitor refresh rate to enhance frequency detection of SSVEPs. , 2013, , .		3
35	Driving Control of a Powered Wheelchair by Voluntary Eye Blinking and with Environment Recognition. Applied Mechanics and Materials, 2014, 490-491, 1764-1768.	0.2	3
36	Transferring Shared Responses Across Electrode Montages for Facilitating Calibration in High-Speed Brain Spellers. , 2018, 2018, 89-92.		3

#	Article	IF	Citations
37	37‑4: *Invited Paper:* Intelligent Virtual‑Reality Head‑Mounted Displays with Brain Monitoring and Visual Function Assessment. Digest of Technical Papers SID International Symposium, 2018, 49, 475-478.	0.1	3
38	Frequency recognition of steady-state visually evoked potentials using binary subband canonical correlation analysis with reduced dimension of reference signals. , 2016, , .		3
39	Periodicity detection for BCI based on periodic code modulation visual evoked potentials. , 2012, , .		2
40	Evaluating the Performance of Non-Hair SSVEP-Based BCIs Featuring Template-Based Decoding Methods. , 2018, 2018, 1972-1975.		2
41	Statistically Optimized Spatial Filtering in Decoding Steady-State Visual Evoked Potentials Based on Task-Related Component Analysis. , 2020, 2020, 3070-3073.		1
42	Optimizing Phase Intervals for Phase-Coded SSVEP-Based BCIs With Template-Based Algorithm. , 2018, , .		0
43	A Comparison Study of Single- and Multiple-Target Stimulation Methods for Eliciting Steady-State Visual Evoked Potentials. , 2021, , .		0
44	Waveform-Coded Steady-State Visual Evoked Potentials for Brain-Computer Interfaces. IEEE Access, 2021, 9, 144768-144775.	2.6	0