

Masaki Nakanishi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7379386/publications.pdf>

Version: 2024-02-01

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	Online Adaptation Boosts SSVEP-Based BCI Performance. IEEE Transactions on Biomedical Engineering, 2022, 69, 2018-2028.	2.5	16
2	Boosting template-based SSVEP decoding by cross-domain transfer learning. Journal of Neural Engineering, 2021, 18, 016002.	1.8	30
3	A Comparison Study of Single- and Multiple-Target Stimulation Methods for Eliciting Steady-State Visual Evoked Potentials. , 2021, , .		0
4	Waveform-Coded Steady-State Visual Evoked Potentials for Brain-Computer Interfaces. IEEE Access, 2021, 9, 144768-144775.	2.6	0
5	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
6	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
7	Statistically Optimized Spatial Filtering in Decoding Steady-State Visual Evoked Potentials Based on Task-Related Component Analysis. , 2020, 2020, 3070-3073.		1
8	Questionable Classification Accuracy Reported in "Designing a Sum of Squared Correlations Framework for Enhancing SSVEP-Based BCIs" IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1042-1043.	2.7	4
9	Cross-Subject Transfer Learning Improves the Practicality of Real-World Applications of Brain-Computer Interfaces. , 2019, , .		25
10	EEG-Based User Authentication Using a Convolutional Neural Network. , 2019, , .		18
11	EEG-Based Brain-Computer Interfaces. Advances in Experimental Medicine and Biology, 2019, 1101, 41-65.	0.8	26
12	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
13	Exploring Human Variability in Steady-State Visual Evoked Potentials. , 2018, , .		8
14	Optimizing Phase Intervals for Phase-Coded SSVEP-Based BCIs With Template-Based Algorithm. , 2018, , .		0
15	Evaluating the Performance of Non-Hair SSVEP-Based BCIs Featuring Template-Based Decoding Methods. , 2018, 2018, 1972-1975.		2
16	Semi-simulation Experiments for Quantifying the Performance of SSVEP-based BCI after Reducing Artifacts from Trapezius Muscles. , 2018, 2018, 4824-4827.		4
17	Transferring Shared Responses Across Electrode Montages for Facilitating Calibration in High-Speed Brain Spellers. , 2018, 2018, 89-92.		3
18	Waveform-Based Multi-Stimulus Coding for Brain-Computer Interfaces Based on Steady-State Visual Evoked Potentials. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	374: <i>Invited Paper:</i> 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
20	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
21	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
22	Detecting Glaucoma With a Portable Brain-Computer Interface for Objective Assessment of Visual Function Loss. JAMA Ophthalmology, 2017, 135, 550.	1.4	78
23	Independent component analysis-based spatial filtering improves template-based SSVEP detection. , 2017, 2017, 3620-3623.		5
24	Does frequency resolution affect the classification performance of steady-state visual evoked potentials?. , 2017, , .		4
25	Glaucoma and Driving Risk under Simulated Fog Conditions. Translational Vision Science and Technology, 2016, 5, 15.	1.1	12
26	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
27	Fast detection of covert visuospatial attention using hybrid N2pc and SSVEP features. Journal of Neural Engineering, 2016, 13, 066003.	1.8	17
28	Assessing the effects of voluntary and involuntary eyeblinks in independent components of electroencephalogram. Neurocomputing, 2016, 193, 20-32.	3.5	21
29	Frequency recognition of steady-state visually evoked potentials using binary subband canonical correlation analysis with reduced dimension of reference signals. , 2016, , .		3
30	Developing an online steady-state visual evoked potential-based brain-computer interface system using EarEEG. , 2015, 2015, 2271-4.		11
31	A dynamic stopping method for improving performance of steady-state visual evoked potential based brain-computer interfaces. , 2015, 2015, 1057-60.		10
32	A Comparison Study of Canonical Correlation Analysis Based Methods for Detecting Steady-State Visual Evoked Potentials. PLoS ONE, 2015, 10, e0140703.	1.1	241
33	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
34	A HIGH-SPEED BRAIN SPELLER USING STEADY-STATE VISUAL EVOKED POTENTIALS. International Journal of Neural Systems, 2014, 24, 1450019.	3.2	287
35	Hybrid frequency and phase coding for a high-speed SSVEP-based BCI speller. , 2014, 2014, 3993-6.		43
36	Enhancing detection of steady-state visual evoked potentials using individual training data. , 2014, 2014, 3037-40.		30

#	ARTICLE	IF	CITATIONS
37	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
38	Enhancing unsupervised canonical correlation analysis-based frequency detection of SSVEPs by incorporating background EEG. , 2014, 2014, 3053-6.		13
39	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
40	Integrating interference frequency components elicited by monitor refresh rate to enhance frequency detection of SSVEPs. , 2013, , .		3
41	Wheelchair control system by using electrooculogram signal processing. , 2013, , .		9
42	An approximation approach for rendering visual flickers in SSVEP-based BCI using monitor refresh rate. , 2013, 2013, 2176-9.		9
43	Periodicity detection for BCI based on periodic code modulation visual evoked potentials. , 2012, , .		2
44	Spatial filtering techniques for improving individual template-based SSVEP detection. , 0, , 219-242.		6