

# Hiroshi Higashi

## List of Publications by Year in descending order

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26  
papers

431  
citations

1163117

8  
h-index

1125743

13  
g-index

26  
all docs

26  
docs citations

26  
times ranked

476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Design of FIR Filter Banks and Spatial Patterns for EEG Signal Classification. IEEE Transactions on Biomedical Engineering, 2013, 60, 1100-1110.	4.2	129
2	SSVEP-Based Brain-Computer Interfaces Using FSK-Modulated Visual Stimuli. IEEE Transactions on Biomedical Engineering, 2013, 60, 2831-2838.	4.2	63
3	Active Data Selection for Motor Imagery EEG Classification. IEEE Transactions on Biomedical Engineering, 2015, 62, 458-467.	4.2	43
4	Common Spatio-Time-Frequency Patterns for Motor Imagery-Based Brain Machine Interfaces. Computational Intelligence and Neuroscience, 2013, 2013, 1-12.	1.7	34
5	An Introductory Tutorial on Brain-Computer Interfaces and Their Applications. Electronics (Switzerland), 2021, 10, 560.	3.1	27
6	EEG auditory steady state responses classification for the novel BCI. , 2011, 2011, 4576-9.		20
7	A simple platform of brain-controlled mobile robot and its implementation by SSVEP. , 2012, , .		20
8	SSVEP frequency detection methods considering background EEG. , 2012, , .		17
9	Dynamic Visual Cues for Differentiating Mirror and Glass. Scientific Reports, 2018, 8, 8403.	3.3	15
10	EEG-based personal identification method using unsupervised feature extraction and its robustness against intra-subject variability. Journal of Neural Engineering, 2020, 17, 026007.	3.5	13
11	Classification of single trial EEG during imagined hand movement by rhythmic component extraction. , 2009, 2009, 2482-5.		11
12	Sparse regression for selecting fluorescence wavelengths for accurate prediction of food properties. Chemometrics and Intelligent Laboratory Systems, 2016, 154, 29-37.	3.5	9
13	Universality and superiority in preference for chromatic composition of art paintings. Scientific Reports, 2022, 12, 4294.	3.3	8
14	Variation in Event-Related Potentials by State Transitions. Frontiers in Human Neuroscience, 2017, 11, 75.	2.0	7
15	A joint tensor diagonalization approach to active data selection for EEG classification. , 2013, , .		4
16	Objective assessment and quantification of pearl quality by spectral-spatial features. , 2015, , .		2
17	Spectral-difference enhancing illuminant for improving visual detection of blood vessels. , 2015, , .		2
18	Cooperative update of beliefs and state-transition functions in human reinforcement learning. Scientific Reports, 2019, 9, 17704.	3.3	2

#	ARTICLE	IF	CITATIONS
19	Computational lighting for extracting optical features from RGB images. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107183.	5.0	2
20	Multiple cues for visual perception of mirror and glass materials. Journal of Vision, 2017, 17, 765.	0.3	2
21	Luminance-contrast reversal disambiguates illumination interpretation in #TheDress. Journal of Vision, 2017, 17, 137.	0.3	1
22	Time sparsification of EEG signals in motor-imagery based brain computer interfaces. , 2012, 2012, 4271-4.		0
23	Band selection by criterion of common spatial patterns for motor imagery based brain machine interfaces. , 2013, , .		0
24	A visualization method for hand cleanness using fluorescent spectrum. , 2016, , .		0
25	Optimization of illuminant spectrum for visual detection of foreign substances in jams. , 2016, , .		0
26	Color statistics underlying preference judgement for art paintings. Journal of Vision, 2018, 18, 867.	0.3	0