Bo Hong

List of Publications by Year
in descending order

98 papers	**5,220** citations	230014 **27** h-index	116156 **66** g-index
105 all docs	**105** docs citations	**105** times ranked	**4775** citing authors

#	Article	IF	Citations
1	Preparatory delta phase response is correlated with naturalistic speech comprehension performance. Cognitive Neurodynamics, 2022, 16, 337-352.	2.3	7
2	Ten-Hour Stable Noninvasive Brain-Computer Interface Realized by Semidry Hydrogel-Based Electrodes. Research, 2022, 2022, 9830457.	2.8	13
3	Intracranial brain-computer interface spelling using localized visual motion response. NeuroImage, 2022, 258, 119363.	2.1	4
4	Doubling the Speed of N200 Speller via Dual-Directional Motion Encoding. IEEE Transactions on Biomedical Engineering, 2021, 68, 204-213.	2.5	5
5	Speech frequency-following response in human auditory cortex is more than a simple tracking. NeuroImage, 2021, 226, 117545.	2.1	15
6	Analysis of surgical strategies for children with epileptic spasms. Epileptic Disorders, 2021, 23, 85-93.	0.7	6
7	Speaker–Listener Neural Coupling Reveals an Adaptive Mechanism for Speech Comprehension in a Noisy Environment. Cerebral Cortex, 2021, 31, 4719-4729.	1.6	15
8	A Spatially-Coded Visual Brain-Computer Interface for Flexible Visual Spatial Information Decoding. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 926-933.	2.7	9
9	BrainQuake: An Open-Source Python Toolbox for the Stereoelectroencephalography Spatiotemporal Analysis. Frontiers in Neuroinformatics, 2021, 15, 773890.	1.3	2
10	Hierarchical cortical networks of "voice patches" for processing voices in human brain. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	23
11	Human cortical networking by probabilistic and frequency-specific coupling. NeuroImage, 2020, 207, 116363.	2.1	12
12	Reconstructing lost BOLD signal in individual participants using deep machine learning. Nature Communications, 2020, 11, 5046.	5.8	20
13	Multichannel parallel processing of neural signals in memristor arrays. Science Advances, 2020, 6, .	4.7	36
14	Neural signal analysis with memristor arrays towards high-efficiency brain–machine interfaces. Nature Communications, 2020, 11, 4234.	5.8	82
15	Regularized-Ncut: Robust and homogeneous functional parcellation of neonate and adult brain networks. Artificial Intelligence in Medicine, 2020, 106, 101872.	3.8	6
16	Comparison of the clinicopathological features of pancreatic solid pseudopapillary neoplasms between males and females: gender does matter. Histology and Histopathology, 2020, 35, 257-268.	0.5	11
17	Electroclinical features of lateral and medial orbitofrontal epilepsy: a case series. Epileptic Disorders, 2020, 22, 759-767.	0.7	4
18	A Single-Stimulus, Multitarget BCI Based on Retinotopic Mapping of Motion-Onset VEPs. IEEE Transactions on Biomedical Engineering, 2019, 66, 464-470.	2.5	16

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19	Cross-modal Consistency of Epileptogenic Network in SEEG and Resting-state fMRI. , 2019, , .		1
20	Surgical outcomes in patients with epilepsy after viral encephalitis: contribution of SEEG study. BMC Neurology, 2019, 19, 165.	0.8	10
21	Neural Correlates of Music Listening and Recall in the Human Brain. Journal of Neuroscience, 2019, 39, 8112-8123.	1.7	28
22	Multiple Stereoelectroencephalography-Guided Radiofrequency Thermocoagulations for Polymicrogyria With Startle Seizures: A Case Report. Frontiers in Neurology, 2019, 10, 1095.	1.1	1
23	A Flexible, Robust, and Gel-Free Electroencephalogram Electrode for Noninvasive Brain-Computer Interfaces. Nano Letters, 2019, 19, 6853-6861.	4.5	131
24	Bi-directional Visual Motion Based BCI Speller. , 2019, , .		5
25	A hierarchical sparse coding model predicts acoustic feature encoding in both auditory midbrain and cortex. PLoS Computational Biology, 2019, 15, e1006766.	1.5	7
26	Towards a fully spatially coded brain-computer interface: simultaneous decoding of visual eccentricity and direction. , 2019, 2019, 3091-3094.		3
27	The Roles of Subdivisions of Human Insula in Emotion Perception and Auditory Processing. Cerebral Cortex, 2019, 29, 517-528.	1.6	63
28	Exploring the temporal dynamics of sustained and transient spatial attention using steady-state visual evoked potentials. Experimental Brain Research, 2017, 235, 1575-1591.	0.7	7
29	Sensorimotor network parcellation for pre-surgical patients using low-pass filtered fMRI. , 2017, 2017, 4479-4482.		2
30	Cooperative cortical network for categorical processing of Chinese lexical tone. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12303-12308.	3.3	50
31	Minimally invasive brain computer interface for fast typing. , 2017, , .		11
32	Combining task-evoked and spontaneous activity to improve pre-operative brain mapping with fMRI. NeuroImage, 2016, 124, 714-723.	2.1	24
33	Frequency-specific adaptation and its underlying circuit model in the auditory midbrain. Frontiers in Neural Circuits, 2015, 9, 55.	1.4	15
34	Impact of nuclear factor erythroid-derived 2â€"like 2 and p62/sequestosome expression on prognosis of patients with gliomas. Human Pathology, 2015, 46, 843-849.	1.1	32
35	Mapping language area in the frontal lobe of the left-dominant hemisphere with high gamma electrocorticography. Journal of Neurolinguistics, 2015, 35, 85-95.	0.5	5
36	Parcellating cortical functional networks in individuals. Nature Neuroscience, 2015, 18, 1853-1860.	7.1	429

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37	Silicon-based wire electrode array for neural interfaces. Journal of Micromechanics and Microengineering, 2014, 24, 095015.	1.5	6
38	Neural distance amplification of lexical tone in human auditory cortex. , 2014, 2014, 4001-4.		2
39	Decoding of Chinese phoneme clusters using ECoG. , 2014, 2014, 1278-81.		1
40	32-site microelectrode modified with Pt black for neural recording fabricated with thin-film silicon membrane. Science China Information Sciences, 2014, 57, 1-7.	2.7	3
41	Visual and Auditory Brain–Computer Interfaces. IEEE Transactions on Biomedical Engineering, 2014, 61, 1436-1447.	2.5	350
42	fMRI-Guided Subdural Visual Motion BCI with Minimal Invasiveness. Springer Briefs in Electrical and Computer Engineering, 2014, , 113-123.	0.3	0
43	Tonotopic reorganization and spontaneous firing in inferior colliculus during both short and long recovery periods after noise overexposure. Journal of Biomedical Science, 2013, 20, 91.	2.6	14
44	Toward a minimally invasive brain–computer interface using a single subdural channel: A visual speller study. NeuroImage, 2013, 71, 30-41.	2.1	40
45	Reliability of early cortical auditory gamma-band responses. Clinical Neurophysiology, 2013, 124, 70-82.	0.7	24
46	Employing an active mental task to enhance the performance of auditory attention-based brain–computer interfaces. Clinical Neurophysiology, 2013, 124, 83-90.	0.7	18
47	Fast presurgical functional mapping using task-related intracranial high gamma activity. Journal of Neurosurgery, 2013, 119, 26-36.	0.9	27
48	High gamma oscillations enhance the subdural visual speller. , 2012, 2012, 1711-4.		0
49	Spoken sentences decoding based on intracranial high gamma response using dynamic time warping. , 2012, 2012, 3292-5.		14
50	Characteristics and classification of hippocampal theta rhythm induced by passive translational displacement. Neuroscience Letters, 2012, 515, 18-22.	1.0	0
51	An N200 speller integrating the spatial profile for the detection of the non-control state. Journal of Neural Engineering, 2012, 9, 026016.	1.8	31
52	Sequential Neural Processes in Abacus Mental Addition: An EEG and fMRI Case Study. PLoS ONE, 2012, 7, e36410.	1.1	27
53	Effect of Gaussian noise on minimum trial number of multitaper-based spike-field coherence estimation. , 2011, , .		0
54	Motor imagery based brain-computer interface: A study of the effect of positive and negative feedback. , 2011, 2011, 6323-6.		23

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55	Integrating the spatial profile of the N200 speller for asynchronous brain-computer interfaces. , 2011, 2011, 4564-7.		4
56	Event-related spectral perturbation induced by action-related sound. Neuroscience Letters, 2011, 491, 165-167.	1.0	8
57	Stimulus-specific adaptation and its dynamics in the inferior colliculus of rat. Neuroscience, 2011, 181, 163-174.	1.1	72
58	A high-speed BCI based on code modulation VEP. Journal of Neural Engineering, 2011, 8, 025015.	1.8	241
59	Exploring steady‑state visual evoked potentials as an index for intermodal and crossmodal spatial attention. Psychophysiology, 2011, 48, 665-675.	1.2	13
60	Frequency and Phase Mixed Coding in SSVEP-Based Brain--Computer Interface. IEEE Transactions on Biomedical Engineering, 2011, 58, 200-206.	2.5	165
61	An auditory brain-computer interface using virtual sound field. , 2011, 2011, 4568-71.		6
62	Analysis of phase coding SSVEP based on canonical correlation analysis (CCA). , 2011, , .		15
63	ECoG based cortical function mapping using general linear model. , 2011, 2011, 2347-50.		3
64	Tsinghua-Johns Hopkins Joint Center for Biomedical Engineering Research: Scientific and cultural exchange in undergraduate engineering. , 2011, 2011, 3620-3.		1
65	An Auditory Brain‑Computer Interface Using Active Mental Response. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2010, 18, 230-235.	2.7	69
66	An independent brain‑computer interface using covert non-spatial visual selective attention. Journal of Neural Engineering, 2010, 7, 016010.	1.8	104
67	Mirrored high gamma cortical activity during finger tap imitation. , 2010, 2010, 4148-51.		0
68	Individualized cortical function mapping using high gamma activity. , 2010, , .		0
69	Spectra-temporal patterns underlying mental addition: An ERP and ERD/ERS study. Neuroscience Letters, 2010, 472, 5-10.	1.0	20
70	A coded VEP method to measure interhemispheric transfer time (IHTT). Neuroscience Letters, 2010, 472, 123-127.	1.0	4
71	An online brain‑computer interface using non-flashing visual evoked potentials. Journal of Neural Engineering, 2010, 7, 036003.	1.8	73
72	A Brain-Actuated Human Computer Interface for Google Search. , 2009, , .		3

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73	Adaptive active auditory brain computer interface. , 2009, 2009, 4531-4.		3
74	A half-field stimulation pattern for SSVEP-based brain-computer interface. , 2009, 2009, 6461-4.		8
75	VEP-based brain-computer interfaces: time, frequency, and code modulations [Research Frontier. IEEE Computational Intelligence Magazine, 2009, 4, 22-26.	3.4	225
76	N200-speller using motion-onset visual response. Clinical Neurophysiology, 2009, 120, 1658-1666.	0.7	179
77	An auditory BCI using voluntary mental response. , 2009, , .		5
78	An online multi-channel SSVEP-based brainâ€"computer interface using a canonical correlation analysis method. Journal of Neural Engineering, 2009, 6, 046002.	1.8	618
79	Practical Designs of Brainâ€"Computer Interfaces Based on the Modulation of EEG Rhythms. The Frontiers Collection, 2009, , 137-154.	0.1	13
80	Classifying Single-Trial EEG During Motor Imagery by Iterative Spatio-Spectral Patterns Learning (ISSPL). IEEE Transactions on Biomedical Engineering, 2008, 55, 1733-1743.	2.5	148
81	Brain-Computer Interfaces Based on Visual Evoked Potentials. IEEE Engineering in Medicine and Biology Magazine, 2008, 27, 64-71.	1.1	347
82	The SSVEP topographic scalp maps by Canonical correlation analysis. , 2008, 2008, 3759-62.		11
83	Bipolar electrode selection for a motor imagery based brainâ€"computer interface. Journal of Neural Engineering, 2008, 5, 342-349.	1.8	100
84	Task-irrelevant alpha component analysis in motor imagery based brain computer interface. , 2008, 2008, 1021-4.		3
85	A brain computer interface based on motion-onset VEPs. , 2008, 2008, 4478-81.		6
86	A brainâ€"computer interface using motion-onset visual evoked potential. Journal of Neural Engineering, 2008, 5, 477-485.	1.8	151
87	Comprehensive EEG Signal Analysis for Brainâ€"Computer Interface. , 2008, , 651-653.		1
88	A Human Computer Interface Using SSVEP-Based BCI Technology. Lecture Notes in Computer Science, 2007, , 113-119.	1.0	14
89	Implementation of a Brain-Computer Interface Based on Three States of Motor Imagery. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5059-62.	0.5	42
90	A Brain-Computer Interface Based on Multi-Modal Attention. , 2007, , .		9

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91	Prefrontal Cortex and Somatosensory Cortex in Tactile Crossmodal Association: An Independent Component Analysis of ERP Recordings. PLoS ONE, 2007, 2, e771.	1.1	22
92	An Algorithm for Idle-State Detection in Motor-Imagery-Based Brain-Computer Interface. Computational Intelligence and Neuroscience, 2007, 2007, 1-9.	1.1	32
93	A practical VEP-based brain-computer interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006, 14, 234-240.	2.7	562
94	Estimation of Optimal Location of EEG Reference Electrode for Motor Imagery Based BCI Using fMRI. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	6
95	Source Estimation of Contrast-related Perception Based on Frequency-Tagged Binocular Rivalry. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
96	Transient phase synchrony of independent cognitive components underlying scalp EEG. , 2005, 2005, 2037-40.		3
97	BCI Competition 2003â€"Data Set IIb: Enhancing P300 Wave Detection Using ICA-Based Subspace Projections for BCI Applications. IEEE Transactions on Biomedical Engineering, 2004, 51, 1067-1072.	2.5	220
98	Spatio-temporal analysis of P300 using ICA and SSLOFO. , 0, , .		0