

Erwei Yin

List of Publications by Year in descending order

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57
papers

2,011
citations

279487

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41
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58
all docs

58
docs citations

58
times ranked

1587
citing authors

#	ARTICLE	IF	CITATIONS
1	A Dynamically Optimized SSVEP Brain-Computer Interface (BCI) Speller. IEEE Transactions on Biomedical Engineering, 2015, 62, 1447-1456.	2.5	194
2	A novel hybrid BCI speller based on the incorporation of SSVEP into the P300 paradigm. Journal of Neural Engineering, 2013, 10, 026012.	1.8	172
3	A Hybrid Brain-Computer Interface Based on the Fusion of P300 and SSVEP Scores. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 693-701.	2.7	148
4	Sparse Group Representation Model for Motor Imagery EEG Classification. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 631-641.	3.9	140
5	Towards correlation-based time window selection method for motor imagery BCIs. Neural Networks, 2018, 102, 87-95.	3.3	127
6	A Speedy Hybrid BCI Spelling Approach Combining P300 and SSVEP. IEEE Transactions on Biomedical Engineering, 2014, 61, 473-483.	2.5	120
7	An Auditory-Tactile Visual Saccade-Independent P300 Brain-Computer Interface. International Journal of Neural Systems, 2016, 26, 1650001.	3.2	83
8	Self-Paced Operation of a Wheelchair Based on a Hybrid Brain-Computer Interface Combining Motor Imagery and P300 Potential. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2516-2526.	2.7	82
9	Correlated Component Analysis for Enhancing the Performance of SSVEP-Based Brain-Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 948-956.	2.7	74
10	Two-Stage Frequency Recognition Method Based on Correlated Component Analysis for SSVEP-Based BCI. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1314-1323.	2.7	67
11	Incorporation of dynamic stopping strategy into the high-speed SSVEP-based BCIs. Journal of Neural Engineering, 2018, 15, 046025.	1.8	59
12	An Asynchronous Hybrid Spelling Approach Based on EEG-EOG Signals for Chinese Character Input. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1292-1302.	2.7	59
13	Towards a Hybrid BCI Gaming Paradigm Based on Motor Imagery and SSVEP. International Journal of Human-Computer Interaction, 2019, 35, 197-205.	3.3	54
14	An Asynchronous Control Paradigm Based on Sequential Motor Imagery and Its Application in Wheelchair Navigation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2367-2375.	2.7	47
15	Temporal Combination Pattern Optimization Based on Feature Selection Method for Motor Imagery BCIs. Frontiers in Human Neuroscience, 2020, 14, 231.	1.0	47
16	Toward brain-actuated car applications: Self-paced control with a motor imagery-based brain-computer interface. Computers in Biology and Medicine, 2016, 77, 148-155.	3.9	40
17	Adaptive asynchronous control system of robotic arm based on augmented reality-assisted brain-computer interface. Journal of Neural Engineering, 2021, 18, 066005.	1.8	39
18	A novel task-oriented optimal design for P300-based brain-computer interfaces. Journal of Neural Engineering, 2014, 11, 056003.	1.8	37

#	ARTICLE	IF	CITATIONS
19	Data Augmentation: Using Channel-Level Recombination to Improve Classification Performance for Motor Imagery EEG. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 645952.	1.0	37
20	A Tensor-Based Frequency Features Combination Method for Brain-Computer Interfaces. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 465-475.	2.7	37
21	Adding Real-Time Bayesian Ranks to Error-Related Potential Scores Improves Error Detection and Auto-Correction in a P300 Speller. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2016, 24, 46-56.	2.7	35
22	A novel Morse code-inspired method for multiclass motor imagery brain-computer interface (BCI) design. <i>Computers in Biology and Medicine</i> , 2015, 66, 11-19.	3.9	28
23	An ERP-based BCI with peripheral stimuli: validation with ALS patients. <i>Cognitive Neurodynamics</i> , 2020, 14, 21-33.	2.3	27
24	Novel hybrid brain-computer interface system based on motor imagery and P300. <i>Cognitive Neurodynamics</i> , 2020, 14, 253-265.	2.3	27
25	Improving bit rate in an auditory BCI: Exploiting error-related potentials. <i>Brain-Computer Interfaces</i> , 2016, 3, 75-87.	0.9	23
26	Hierarchical feature fusion framework for frequency recognition in SSVEP-based BCIs. <i>Neural Networks</i> , 2019, 119, 1-9.	3.3	22
27	Hybrid Brain-Computer Interface (BCI) based on the EEG and EOG signals. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 2919-2925.	0.4	18
28	Partially supervised P300 speller adaptation for eventual stimulus timing optimization: target confidence is superior to error-related potential score as an uncertain label. <i>Journal of Neural Engineering</i> , 2016, 13, 026008.	1.8	18
29	A self-paced BCI prototype system based on the incorporation of an intelligent environment-understanding approach for rehabilitation hospital environmental control. <i>Computers in Biology and Medicine</i> , 2020, 118, 103618.	3.9	17
30	Toward a Hybrid BCI: Self-Paced Operation of a P300-based Speller by Merging a Motor Imagery-Based "Brain Switch" into a P300 Spelling Approach. <i>International Journal of Human-Computer Interaction</i> , 2017, 33, 623-632.	3.3	16
31	Enhancement for P300-speller classification using multi-window discriminative canonical pattern matching. <i>Journal of Neural Engineering</i> , 2021, 18, 046079.	1.8	16
32	Efficacy, Trainability, and Neuroplasticity of SMR vs. Alpha Rhythm Shooting Performance Neurofeedback Training. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 94.	1.0	14
33	Retinotopic and topographic analyses with gaze restriction for steady-state visual evoked potentials. <i>Scientific Reports</i> , 2019, 9, 4472.	1.6	13
34	A P300-Based Brain-Computer Interface for Chinese Character Input. <i>International Journal of Human-Computer Interaction</i> , 2016, 32, 878-884.	3.3	10
35	A Self-Paced Brain-Computer Interface Speller by Combining Motor Imagery and P300 Potential. , 2016, , .		8
36	An Tactile ERP-Based Brain-Computer Interface for Communication. <i>International Journal of Human-Computer Interaction</i> , 2019, 35, 559-567.	3.3	8

#	ARTICLE	IF	CITATIONS
37	A Novel Single-Character Visual BCI Paradigm With Multiple Active Cognitive Tasks. IEEE Transactions on Biomedical Engineering, 2019, 66, 3119-3128.	2.5	8
38	Performance of Virtual Stimulus Motion Based on the SSVEP-BCI. , 2016, , .		6
39	A Tensor-Based Frequency Features Combination Method for Brain-Computer Interfaces. Communications in Computer and Information Science, 2022, , 511-526.	0.4	6
40	A mobile EEG system for practical applications. , 2017, , .		4
41	Researches on optimal scheduling for aluminum industry continuous casting and rolling production. , 2010, , .		3
42	A Subarea-Location Joint Spelling Paradigm for the BCI Control. Lecture Notes in Computer Science, 2013, , 368-375.	1.0	3
43	Emotion Recognition Measurement based on Physiological Signals. , 2020, , .		3
44	Vision-Language Navigation With Beam-Constrained Global Normalization. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1352-1363.	7.2	3
45	Balancing an Inverted Pendulum with an EEG-Based BCI. , 2013, , .		2
46	A synchronous robot control system based on the sEMG signals of human upper limb motions. , 2017, , .		1
47	Detect visual field using eye tracking and steady-state visual evoked potential. , 2017, , .		1
48	A Novel Auditory-tactile P300-based BCI Paradigm. , 2019, , .		1
49	Evaluation of VR/AR Visual Comfort Based on Color Perception. Lecture Notes in Networks and Systems, 2021, , 108-119.	0.5	1
50	Researches on modeling and intelligent optimization method of scheduling for the process of alumina ore-burden energy saving oriented. , 2010, , .		0
51	Research on the scheduling system in aluminum industry based on Multi-agent. , 2010, , .		0
52	Research on the Optimization Method of Virtual Enterprise's Task Scheduling Problems in Aluminum Industry. Modern Applied Science, 2011, 5, .	0.4	0
53	Towards an asynchronous robot control system using the sEMG signals of sequential upper limb movements. , 2017, , .		0
54	Simulation and 3D Visualization of Mission Scheduling for Imaging Satellites. Journal of Physics: Conference Series, 2019, 1288, 012038.	0.3	0

#	ARTICLE	IF	CITATIONS
55	Asynchronous Robotic Arm System Based on Augmented Reality and SSVEP-based BCI. , 2021, , .		0
56	A Novel Multi-class Brain-Computer Interface (BCI) Paradigm Based on Motor Imagery Sequential Coding (MISC) Protocol. Lecture Notes in Computer Science, 2013, , 295-302.	1.0	0
57	Wireless platform for real-time Electrocardiography (ECG) recording and analysis. , 2015, , 313-318.		0