Erwei Yin

List of Publications by Year
in descending order

57 papers	2,011 citations	279798 23 h-index	276875 41 g-index
58 all docs	58 docs citations	58 times ranked	1587 citing authors

#	Article	IF	Citations
1	A Dynamically Optimized SSVEP Brainâ€“Computer Interface (BCI) Speller. IEEE Transactions on Biomedical Engineering, 2015, 62, 1447-1456.	4.2	194
2	A novel hybrid BCI speller based on the incorporation of SSVEP into the P300 paradigm. Journal of Neural Engineering, 2013, 10, 026012.	3.5	172
3	A Hybrid Brainâ€“Computer Interface Based on the Fusion of P300 and SSVEP Scores. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 693-701.	4.9	148
4	Sparse Group Representation Model for Motor Imagery EEG Classification. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 631-641.	6.3	140
5	Towards correlation-based time window selection method for motor imagery BCIs. Neural Networks, 2018, 102, 87-95.	5.9	127
6	A Speedy Hybrid BCI Spelling Approach Combining P300 and SSVEP. IEEE Transactions on Biomedical Engineering, 2014, 61, 473-483.	4.2	120
7	An Auditory-Tactile Visual Saccade-Independent P300 Brainâ€“Computer Interface. International Journal of Neural Systems, 2016, 26, 1650001.	5.2	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.	4.9	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.	4.9	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.	4.9	67
11	Incorporation of dynamic stopping strategy into the high-speed SSVEP-based BCIs. Journal of Neural Engineering, 2018, 15, 046025.	3.5	59
12	An Asynchronous Hybrid Spelling Approach Based on EEGâ€“EOG Signals for Chinese Character Input. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1292-1302.	4.9	59
13	Towards a Hybrid BCI Gaming Paradigm Based on Motor Imagery and SSVEP. International Journal of Human-Computer Interaction, 2019, 35, 197-205.	4.8	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.	4.9	47
15	Temporal Combination Pattern Optimization Based on Feature Selection Method for Motor Imagery BCIs. Frontiers in Human Neuroscience, 2020, 14, 231.	2.0	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.	7.0	40
17	Adaptive asynchronous control system of robotic arm based on augmented reality-assisted brainâ€“computer interface. Journal of Neural Engineering, 2021, 18, 066005.	3.5	39
18	A novel task-oriented optimal design for P300-based brainâ€“computer interfaces. Journal of Neural Engineering, 2014, 11, 056003.	3.5	37

#	Article	IF	Citations
19	Data Augmentation: Using Channel-Level Recombination to Improve Classification Performance for Motor Imagery EEG. Frontiers in Human Neuroscience, 2021, 15, 645952.	2.0	37
20	A Tensor-Based Frequency Features Combination Method for Brainâ€“Computer Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 465-475.	4.9	37
21	Adding Real-Time Bayesian Ranks to Error-Related Potential Scores Improves Error Detection and Auto-Correction in a P300 Speller. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 46-56.	4.9	35
22	A novel Morse code-inspired method for multiclass motor imagery brainâ€“computer interface (BCI) design. Computers in Biology and Medicine, 2015, 66, 11-19.	7.0	28
23	An ERP-based BCI with peripheral stimuli: validation with ALS patients. Cognitive Neurodynamics, 2020, 14, 21-33.	4.0	27
24	Novel hybrid brainâ€“computer interface system based on motor imagery and P300. Cognitive Neurodynamics, 2020, 14, 253-265.	4.0	27
25	Improving bit rate in an auditory BCI: Exploiting error-related potentials. Brain-Computer Interfaces, 2016, 3, 75-87.	1.8	23
26	Hierarchical feature fusion framework for frequency recognition in SSVEP-based BCIs. Neural Networks, 2019, 119, 1-9.	5.9	22
27	Hybrid Brain-Computer Interface (BCI) based on the EEG and EOG signals. Bio-Medical Materials and Engineering, 2014, 24, 2919-2925.	0.6	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. Journal of Neural Engineering, 2016, 13, 026008.	3.5	18
29	A self-paced BCI prototype system based on the incorporation of an intelligent environment-understanding approach for rehabilitation hospital environmental control. Computers in Biology and Medicine, 2020, 118, 103618.	7.0	17
30	Toward a Hybrid BCI: Self-Paced Operation of a P300-based Speller by Merging a Motor Imagery-Based â€œBrain Switchâ€•into a P300 Spelling Approach. International Journal of Human-Computer Interaction, 2017, 33, 623-632.	4.8	16
31	Enhancement for P300-speller classification using multi-window discriminative canonical pattern matching. Journal of Neural Engineering, 2021, 18, 046079.	3.5	16
32	Efficacy, Trainability, and Neuroplasticity of SMR vs. Alpha Rhythm Shooting Performance Neurofeedback Training. Frontiers in Human Neuroscience, 2020, 14, 94.	2.0	14
33	Retinotopic and topographic analyses with gaze restriction for steady-state visual evoked potentials. Scientific Reports, 2019, 9, 4472.	3.3	13
34	A P300-Based Brainâ€“Computer Interface for Chinese Character Input. International Journal of Human-Computer Interaction, 2016, 32, 878-884.	4.8	10
35	A Self-Paced Brain-Computer Interface Speller by Combining Motor Imagery and P300 Potential. , 2016, , .		8
36	An Tactile ERP-Based Brainâ€“Computer Interface for Communication. International Journal of Human-Computer Interaction, 2019, 35, 559-567.	4.8	8

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37	A Novel Single-Character Visual BCI Paradigm With Multiple Active Cognitive Tasks. IEEE Transactions on Biomedical Engineering, 2019, 66, 3119-3128.	4.2	8
38	Performance of Virtual Stimulus Motion Based on the SSVEP-BCI. , 2016, , .		6
39	A Tensor-Based Frequency Features Combination Method for Brainâ€“Computer Interfaces. Communications in Computer and Information Science, 2022, , 511-526.	0.5	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.	1.3	3
43	Emotion Recognition Measurement based on Physiological Signals. , 2020, , .		3
44	Visionâ€“Language Navigation With Beam-Constrained Global Normalization. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1352-1363.	11.3	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.	0.7	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 Enterpriseâ€™s Task Scheduling Problems in Aluminum Industry. Modern Applied Science, 2011, 5, .	0.6	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.	0.4	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.	1.3	0
57	Wireless platform for real-time Electrocardiography (ECG) recording and analysis. , 2015, , 313-318.		0