Yuanqing Li

List of Publications by Year in descending order

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49 papers	2,901 citations	172207 29 h-index	205818 48 g-index
50 all docs	50 docs citations	50 times ranked	2534 citing authors

#	Article	IF	Citations
1	A Hybrid Brain Computer Interface to Control the Direction and Speed of a Simulated or Real Wheelchair. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 720-729.	2.7	339
2	A Hybrid BCI System Combining P300 and SSVEP and Its Application to Wheelchair Control. IEEE Transactions on Biomedical Engineering, 2013, 60, 3156-3166.	2.5	297
3	An EEG-Based BCI System for 2-D Cursor Control by Combining Mu/Beta Rhythm and P300 Potential. IEEE Transactions on Biomedical Engineering, 2010, 57, 2495-2505.	2.5	257
4	Control of a Wheelchair in an Indoor Environment Based on a Brainâ€“Computer Interface and Automated Navigation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 128-139.	2.7	190
5	Probabilistic Common Spatial Patterns for Multichannel EEG Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 639-653.	9.7	142
6	Discrimination Between Control and Idle States in Asynchronous SSVEP-Based Brain Switches: A Pseudo-Key-Based Approach. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 435-443.	2.7	125
7	Enhanced Motor Imagery Training Using a Hybrid BCI With Feedback. IEEE Transactions on Biomedical Engineering, 2015, 62, 1706-1717.	2.5	95
8	An EEG-Based Brain Computer Interface for Emotion Recognition and Its Application in Patients with Disorder of Consciousness. IEEE Transactions on Affective Computing, 2021, 12, 832-842.	5.7	80
9	A brain computer interface-based explorer. Journal of Neuroscience Methods, 2015, 244, 2-7.	1.3	79
10	Multimodal BCIs: Target Detection, Multidimensional Control, and Awareness Evaluation in Patients With Disorder of Consciousness. Proceedings of the IEEE, 2016, 104, 332-352.	16.4	76
11	An EOG-Based Humanâ€“Machine Interface for Wheelchair Control. IEEE Transactions on Biomedical Engineering, 2018, 65, 2023-2032.	2.5	69
12	RSTFC: A Novel Algorithm for Spatio-Temporal Filtering and Classification of Single-Trial EEG. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3070-3082.	7.2	67
13	Surfing the internet with a BCI mouse. Journal of Neural Engineering, 2012, 9, 036012.	1.8	66
14	Energy-Efficient ECG Compression on Wireless Biosensors via Minimal Coherence Sensing and Weighted <formula formulatype="inline"><tex Notation="TeX">ell_1</tex></formula> Minimization Reconstruction. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 520-528.	3.9	66
15	Channel selection by Rayleigh coefficient maximization based genetic algorithm for classifying single-trial motor imagery EEG. Neurocomputing, 2013, 121, 423-433.	3.5	64
16	Grouped Automatic Relevance Determination and Its Application in Channel Selection for P300 BCIs. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 1068-1077.	2.7	53
17	Deep Temporal-Spatial Feature Learning for Motor Imagery-Based Brainâ€“Computer Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2356-2366.	2.7	51
18	Dilated-Inception Net: Multi-Scale Feature Aggregation for Cardiac Right Ventricle Segmentation. IEEE Transactions on Biomedical Engineering, 2019, 66, 3499-3508.	2.5	50

#	Article	IF	Citations
19	A Single-Channel EOG-Based Speller. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1978-1987.	2.7	47
20	An EEG-/EOG-Based Hybrid Brain-Computer Interface: Application on Controlling an Integrated Wheelchair Robotic Arm System. Frontiers in Neuroscience, 2019, 13, 1243.	1.4	47
21	An EOG-Based Humanâ€“Machine Interface to Control a Smart Home Environment for Patients With Severe Spinal Cord Injuries. IEEE Transactions on Biomedical Engineering, 2019, 66, 89-100.	2.5	45
22	A Bayesian Shared Control Approach for Wheelchair Robot With Brain Machine Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 328-338.	2.7	44
23	A Hybrid Asynchronous Brain-Computer Interface Combining SSVEP and EOG Signals. IEEE Transactions on Biomedical Engineering, 2020, 67, 2881-2892.	2.5	43
24	Spatiotemporal-Filtering-Based Channel Selection for Single-Trial EEG Classification. IEEE Transactions on Cybernetics, 2021, 51, 558-567.	6.2	41
25	EEG- and EOG-Based Asynchronous Hybrid BCI: A System Integrating a Speller, a Web Browser, an E-Mail Client, and a File Explorer. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 519-530.	2.7	40
26	A Hybrid Network for ERP Detection and Analysis Based on Restricted Boltzmann Machine. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 563-572.	2.7	38
27	Bayesian estimation of ERP components from multicondition and multichannel EEG. NeuroImage, 2014, 88, 319-339.	2.1	37
28	Multichannel Electrocardiogram Reconstruction in Wireless Body Sensor Networks Through Weighted $ell_{1,2}$ Minimization. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2024-2034.	2.4	37
29	An Intention-Driven Semi-autonomous Intelligent Robotic System for Drinking. Frontiers in Neurorobotics, 2017, 11, 48.	1.6	32
30	Bayesian electromagnetic spatio-temporal imaging of extended sources with Markov Random Field and temporal basis expansion. NeuroImage, 2016, 139, 385-404.	2.1	29
31	An EOG-based wheelchair robotic arm system for assisting patients with severe spinal cord injuries. Journal of Neural Engineering, 2019, 16, 026021.	1.8	27
32	A semi-supervised support vector machine approach for parameter setting in motor imagery-based brain computer interfaces. Cognitive Neurodynamics, 2010, 4, 207-216.	2.3	25
33	A Hybrid Brain-Computer Interface-Based Mail Client. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-9.	0.7	21
34	Hyperspectral Image Spectralâ€“Spatial-Range Gabor Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4818-4836.	2.7	21
35	Spatialâ€“Temporal Discriminative Restricted Boltzmann Machine for Event-Related Potential Detection and Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 139-151.	2.7	19
36	Capsule Network for ERP Detection in Brain-Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 718-730.	2.7	19

#	Article	IF	Citations
37	A Brainâ€“Computer Interface Based on Three-Dimensional Stereo Stimuli for Assisting Clinical Object Recognition Assessment in Patients With Disorders of Consciousness. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 507-513.	2.7	15
38	Self-adaptive shared control with brain state evaluation network for human-wheelchair cooperation. Journal of Neural Engineering, 2020, 17, 045005.	1.8	15
39	Learning Invariant Patterns Based on a Convolutional Neural Network and Big Electroencephalography Data for Subject-Independent P300 Brain-Computer Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1047-1057.	2.7	15
40	Deep Unfolding With Weighted â„“â„“ Minimization for Compressive Sensing. IEEE Internet of Things Journal, 2021, 8, 3027-3041.	5.5	14
41	Exemplar-Based Recursive Instance Segmentation With Application to Plant Image Analysis. IEEE Transactions on Image Processing, 2020, 29, 389-404.	6.0	13
42	Full-Spectrum-Knowledge-Aware Tensor Model for Energy-Resolved CT Iterative Reconstruction. IEEE Transactions on Medical Imaging, 2020, 39, 2831-2843.	5.4	10
43	Toward Assessment of Sound Localization in Disorders of Consciousness Using a Hybrid Audiovisual Brainâ€“Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1422-1432.	2.7	10
44	Deterministic construction of sparse binary matrices via incremental integer optimization. Information Sciences, 2018, 430-431, 504-518.	4.0	7
45	A P300-Based BCI System Using Stereoelectroencephalography and Its Application in a Brain Mechanistic Study. IEEE Transactions on Biomedical Engineering, 2021, 68, 2509-2519.	2.5	7
46	Dynamic User Activity and Data Detection for Grant-Free NOMA via Weighted â„“_{2,1} Minimization. IEEE Transactions on Wireless Communications, 2022, 21, 1638-1651.	6.1	6
47	Noise-Generating-Mechanism-Driven Unsupervised Learning for Low-Dose CT Sinogram Recovery. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 404-414.	2.7	5
48	Compressive Sensing-Based Power Allocation Optimization for Energy Harvesting IoT Nodes. IEEE Transactions on Wireless Communications, 2022, 21, 4535-4548.	6.1	4
49	Spatio-temporally regularized common spatial patterns (STR-CSP) for single-trial EEG classification. , 2014, , .		2