Yuanqing Li

List of Publications by Year
in descending order

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	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
2	Dynamic User Activity and Data Detection for Grant-Free NOMA via Weighted $\ell_{2,1}$ Minimization. IEEE Transactions on Wireless Communications, 2022, 21, 1638-1651.	6.1	6
3	Compressive Sensing-Based Power Allocation Optimization for Energy Harvesting IoT Nodes. IEEE Transactions on Wireless Communications, 2022, 21, 4535-4548.	6.1	4
4	Toward Assessment of Sound Localization in Disorders of Consciousness Using a Hybrid Audiovisual Brain–Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1422-1432.	2.7	10
5	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
6	Spatiotemporal-Filtering-Based Channel Selection for Single-Trial EEG Classification. IEEE Transactions on Cybernetics, 2021, 51, 558-567.	6.2	41
7	Deep Unfolding With Weighted ℓ_2 ℓ_2 Minimization for Compressive Sensing. IEEE Internet of Things Journal, 2021, 8, 3027-3041.	5.5	14
8	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
9	Capsule Network for ERP Detection in Brain-Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 718-730.	2.7	19
10	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
11	Exemplar-Based Recursive Instance Segmentation With Application to Plant Image Analysis. IEEE Transactions on Image Processing, 2020, 29, 389-404.	6.0	13
12	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
13	Deep Temporal-Spatial Feature Learning for Motor Imagery-Based Brain–Computer Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2356-2366.	2.7	51
14	Self-adaptive shared control with brain state evaluation network for human-wheelchair cooperation. Journal of Neural Engineering, 2020, 17, 045005.	1.8	15
15	Full-Spectrum-Knowledge-Aware Tensor Model for Energy-Resolved CT Iterative Reconstruction. IEEE Transactions on Medical Imaging, 2020, 39, 2831-2843.	5.4	10
16	A Hybrid Asynchronous Brain-Computer Interface Combining SSVEP and EOG Signals. IEEE Transactions on Biomedical Engineering, 2020, 67, 2881-2892.	2.5	43
17	Hyperspectral Image Spectral–Spatial-Range Gabor Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4818-4836.	2.7	21
18	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

#	Article	IF	Citations
19	An EOG-Based Human–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
20	A Brain–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
21	Dilated-Inception Net: Multi-Scale Feature Aggregation for Cardiac Right Ventricle Segmentation. IEEE Transactions on Biomedical Engineering, 2019, 66, 3499-3508.	2.5	50
22	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
23	Spatial–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
24	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
25	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
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	Deterministic construction of sparse binary matrices via incremental integer optimization. Information Sciences, 2018, 430-431, 504-518.	4.0	7
28	An EOG-Based Human–Machine Interface for Wheelchair Control. IEEE Transactions on Biomedical Engineering, 2018, 65, 2023-2032.	2.5	69
29	A Single-Channel EOG-Based Speller. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1978-1987.	2.7	47
30	An Intention-Driven Semi-autonomous Intelligent Robotic System for Drinking. Frontiers in Neurorobotics, 2017, 11, 48.	1.6	32
31	Bayesian electromagnetic spatio-temporal imaging of extended sources with Markov Random Field and temporal basis expansion. NeuroImage, 2016, 139, 385-404.	2.1	29
32	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
33	Control of a Wheelchair in an Indoor Environment Based on a Brain–Computer Interface and Automated Navigation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 128-139.	2.7	190
34	Enhanced Motor Imagery Training Using a Hybrid BCI With Feedback. IEEE Transactions on Biomedical Engineering, 2015, 62, 1706-1717.	2.5	95
35	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
36	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

#	Article	IF	Citations
37	Energy-Efficient ECG Compression on Wireless Biosensors via Minimal Coherence Sensing and Weighted <formula formulatype="inline"><tex Notation="TeX">ℓ_1</tex></formula> Minimization Reconstruction. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 520-528.	3.9	66
38	Probabilistic Common Spatial Patterns for Multichannel EEG Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 639-653.	9.7	142
39	A brain computer interface-based explorer. Journal of Neuroscience Methods, 2015, 244, 2-7.	1.3	79
40	Bayesian estimation of ERP components from multicondition and multichannel EEG. NeuroImage, 2014, 88, 319-339.	2.1	37
41	Spatio-temporally regularized common spatial patterns (STR-CSP) for single-trial EEG classification. , 2014, , .		2
42	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
43	Channel selection by Rayleigh coefficient maximization based genetic algorithm for classifying single-trial motor imagery EEG. Neurocomputing, 2013, 121, 423-433.	3.5	64
44	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
45	A Hybrid Brain-Computer Interface-Based Mail Client. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-9.	0.7	21
46	Surfing the internet with a BCI mouse. Journal of Neural Engineering, 2012, 9, 036012.	1.8	66
47	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
48	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
49	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