

# Yurong Li

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,214  
citations

567281

15  
h-index

434195

31  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1316  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facial expression recognition via learning deep sparse autoencoders. <i>Neurocomputing</i> , 2018, 273, 643-649.	5.9	403
2	An Improved Particle Filter With a Novel Hybrid Proposal Distribution for Quantitative Analysis of Gold Immunochromatographic Strips. <i>IEEE Nanotechnology Magazine</i> , 2019, 18, 819-829.	2.0	140
3	Image-Based Quantitative Analysis of Gold Immunochromatographic Strip via Cellular Neural Network Approach. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 1129-1136.	8.9	138
4	A Hybrid EKF and Switching PSO Algorithm for Joint State and Parameter Estimation of Lateral Flow Immunoassay Models. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012, 9, 321-329.	3.0	100
5	EEG-based intention recognition with deep recurrent-convolution neural network: Performance and channel selection by Grad-CAM. <i>Neurocomputing</i> , 2020, 415, 225-233.	5.9	54
6	Inference of Nonlinear State-Space Models for Sandwich-Type Lateral Flow Immunoassay Using Extended Kalman Filtering. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1959-1966.	4.2	46
7	Identification of Nonlinear Lateral Flow Immunoassay State-Space Models via Particle Filter Approach. <i>IEEE Nanotechnology Magazine</i> , 2012, 11, 321-327.	2.0	33
8	Intelligent Prediction of Human Lower Extremity Joint Moment: An Artificial Neural Network Approach. <i>IEEE Access</i> , 2019, 7, 29973-29980.	4.2	29
9	Time Series Modeling of Nano-Gold Immunochromatographic Assay via Expectation Maximization Algorithm. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 3418-3424.	4.2	27
10	Robust $H_\infty$ feedback control for uncertain stochastic delayed genetic regulatory networks with additive and multiplicative noise. <i>International Journal of Robust and Nonlinear Control</i> , 2010, 20, 2093-2107.	3.7	25
11	Quantized Control for Networked Switched Systems With a More General Switching Rule. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 1909-1917.	9.3	21
12	A novel neural network approach to cDNA microarray image segmentation. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 111, 189-198.	4.7	18
13	A Method for Suppressing Electrical Stimulation Artifacts from Electromyography. <i>International Journal of Neural Systems</i> , 2019, 29, 1850054.	5.2	18
14	Quantitative Analysis of Immunochromatographic Strip Based on Convolutional Neural Network. <i>IEEE Access</i> , 2019, 7, 16257-16263.	4.2	17
15	A novel method for geographical origin identification of <i>Tetrastigma hemsleyanum</i> (Sanyeqing) by near-infrared spectroscopy. <i>Analytical Methods</i> , 2018, 10, 2980-2988.	2.7	16
16	Adaptive Stimulation Profiles Modulation for Foot Drop Correction Using Functional Electrical Stimulation: A Proof of Concept Study. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 59-68.	6.3	14
17	Transfer Learning-Based Muscle Activity Decoding Scheme by Low-frequency sEMG for Wearable Low-cost Application. <i>IEEE Access</i> , 2021, 9, 22804-22815.	4.2	13
18	Neural network based modeling and control of elbow joint motion under functional electrical stimulation. <i>Neurocomputing</i> , 2019, 340, 171-179.	5.9	12

#	ARTICLE	IF	CITATIONS
19	Entropy-Based Surface Electromyogram Feature Extraction for Knee Osteoarthritis Classification. IEEE Access, 2019, 7, 164144-164151.	4.2	12
20	Determining the Online Measurable Input Variables in Human Joint Moment Intelligent Prediction Based on the Hill Muscle Model. Sensors, 2020, 20, 1185.	3.8	12
21	Prediction of Knee Joint Moment by Surface Electromyography of the Antagonistic and Agonistic Muscle Pairs. IEEE Access, 2019, 7, 82320-82328.	4.2	8
22	Feature Selection of Input Variables for Intelligence Joint Moment Prediction Based on Binary Particle Swarm Optimization. IEEE Access, 2019, 7, 182289-182295.	4.2	8
23	Gaussian Process Autoregression for Joint Angle Prediction Based on sEMG Signals. Frontiers in Public Health, 2021, 9, 685596.	2.7	8
24	Joint Torque Closed-Loop Estimation Using NARX Neural Network Based on sEMG Signals. IEEE Access, 2020, 8, 213636-213646.	4.2	6
25	$H_\infty$ filtering of networked switched systems with multiple packet dropouts via switched Lyapunov function approach. IET Control Theory and Applications, 2020, 14, 1220-1227.	2.1	5
26	Rapid quantitative image analysis of hCG by gold immunochromatographic assay and genetic fast FCM algorithm. , 2010, , .		4
27	Design and Analysis of Genetic Regulatory Networks with Electronic Circuit Ideas. , 2012, , .		4
28	The p53-Mdm2 regulation relationship under different radiation doses based on the continuous-discrete extended Kalman filter algorithm. Neurocomputing, 2018, 273, 230-236.	5.9	4
29	Five Inputs Code Lock Circuit Design Based on DNA Strand Displacement Mechanism. Nano, 2019, 14, 1950147.	1.0	4
30	Diagnosis of Patellofemoral Pain Syndrome Based on a Multi-Input Convolutional Neural Network With Data Augmentation. Frontiers in Public Health, 2021, 9, 643191.	2.7	3
31	Auxiliary Diagnostic Method for Patellofemoral Pain Syndrome Based on One-Dimensional Convolutional Neural Network. Frontiers in Public Health, 2021, 9, 615597.	2.7	3
32	Research on Intention Recognition for EEG Signals Based on DSCNN and GRU. Lecture Notes in Electrical Engineering, 2022, , 604-612.	0.4	3
33	User-Independent EMG Gesture Recognition Method Based on Adaptive Learning. Frontiers in Neuroscience, 2022, 16, 847180.	2.8	3
34	Feature Selection of Input Variables for Diagnosis of Patellofemoral Pain Syndrome based on Random Forest and Multilayer Perceptron. , 2020, , .		2
35	Nonlinear Identification and Time-Frequency Domain Analysis of Corticomuscular Responses During Card-Grabbing Using the NARMAX Method. , 2022, , .		1
36	A data analysis algorithm based on statistical filtration and linear discriminant analysis. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
37	An Open Source Map Optimization Platform for Efficient Navigation. , 2019, , .		0
38	A closed-loop electrical stimulation system triggered by EOG for acupuncture therapy. Systems Science and Control Engineering, 2020, 8, 128-140.	3.1	0
39	Coupling Analysis of EEG and EMG Signals Based on Transfer Entropy after Consistent Empirical Fourier Decomposition. , 2022, , .		0
40	Double Condyles Contact Force Estimation of Knee Joint Based on Hill-Type Model. , 2022, , .		0
41	A Survey on Modeling Mechanism and Control Strategy of Rehabilitation Robots: Recent Trends, Current Challenges, and Future Developments. International Journal of Control, Automation and Systems, 0, , .	2.7	0