

John Q Gan

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

2,039
citations

279487

23
h-index

288905

40
g-index

99
all docs

99
docs citations

99
times ranked

1898
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel keyframe extraction method for video classification using deep neural networks. <i>Neural Computing and Applications</i> , 2023, 35, 24513-24524.	3.2	13
2	Biomarkers Derived from Alterations in Overlapping Community Structure of Resting-state Brain Functional Networks for Detecting Alzheimer's Disease. <i>Neuroscience</i> , 2022, 484, 38-52.	1.1	6
3	Augmentation of Small Training Data Using GANs for Enhancing the Performance of Image Classification. , 2021, , .		5
4	Optimization of Deep Architectures for EEG Signal Classification: An AutoML Approach Using Evolutionary Algorithms. <i>Sensors</i> , 2021, 21, 2096.	2.1	15
5	Small facial image dataset augmentation using conditional GANs based on incomplete edge feature input. <i>PeerJ Computer Science</i> , 2021, 7, e760.	2.7	2
6	Adaptive feature extraction in EEG-based motor imagery BCI: tracking mental fatigue. <i>Journal of Neural Engineering</i> , 2020, 17, 016020.	1.8	13
7	Adaptation of Common Spatial Patterns based on mental fatigue for motor-imagery BCI. <i>Biomedical Signal Processing and Control</i> , 2020, 58, 101829.	3.5	15
8	EEG source-space synchrony transitions and Markov modeling in the gifted brain during a long-chain reasoning task. <i>Human Brain Mapping</i> , 2020, 41, 3620-3636.	1.9	8
9	Deep learning for EEG-based Motor Imagery classification: Accuracy-cost trade-off. <i>PLoS ONE</i> , 2020, 15, e0234178.	1.1	45
10	Deep learning for EEG-based Motor Imagery classification: Accuracy-cost trade-off. , 2020, 15, e0234178.		0
11	Deep learning for EEG-based Motor Imagery classification: Accuracy-cost trade-off. , 2020, 15, e0234178.		0
12	Deep learning for EEG-based Motor Imagery classification: Accuracy-cost trade-off. , 2020, 15, e0234178.		0
13	Deep learning for EEG-based Motor Imagery classification: Accuracy-cost trade-off. , 2020, 15, e0234178.		0
14	A new multi-objective wrapper method for feature selection – Accuracy and stability analysis for BCI. <i>Neurocomputing</i> , 2019, 333, 407-418.	3.5	92
15	Combining Very Deep Convolutional Neural Networks and Recurrent Neural Networks for Video Classification. <i>Lecture Notes in Computer Science</i> , 2019, , 811-822.	1.0	1
16	Energy-Time Analysis of Convolutional Neural Networks Distributed on Heterogeneous Clusters for EEG Classification. <i>Lecture Notes in Computer Science</i> , 2019, , 895-907.	1.0	0
17	Finger movements recognition using minimally redundant features of wavelet denoised EMG. <i>Health and Technology</i> , 2019, 9, 579-593.	2.1	13
18	Motor imagery and mental fatigue: inter-relationship and EEG based estimation. <i>Journal of Computational Neuroscience</i> , 2019, 46, 55-76.	0.6	46

#	ARTICLE	IF	CITATIONS
19	Differential recruitment of brain networks in single-digit addition and multiplication: Evidence from EEG oscillations in theta and lower alpha bands. <i>International Journal of Psychophysiology</i> , 2018, 128, 81-92.	0.5	7
20	Collective sparse symmetric non-negative matrix factorization for identifying overlapping communities in resting-state brain functional networks. <i>NeuroImage</i> , 2018, 166, 259-275.	2.1	23
21	Prediction of the 2017 French Election Based on Twitter Data Analysis Using Term Weighting. , 2018, , .		5
22	A Neural Network Approach to Score Fusion for Emotion Recognition. , 2018, , .		4
23	A Kernel Partial least square based feature selection method. <i>Pattern Recognition</i> , 2018, 83, 91-106.	5.1	30
24	Deep Classifier Structures with Autoencoder for Higher-level Feature Extraction. , 2018, , .		2
25	Neurocognitive mechanisms of mathematical giftedness: A literature review. <i>Applied Neuropsychology: Child</i> , 2017, 6, 79-94.	0.7	17
26	A supervised filter method for multi-objective feature selection in EEG classification based on multi-resolution analysis for BCI. <i>Neurocomputing</i> , 2017, 250, 45-56.	3.5	31
27	Shallow convolutional neural network for eyeglasses detection in facial images. , 2017, , .		4
28	Prediction of the 2017 French election based on Twitter data analysis. , 2017, , .		39
29	Deep Belief Networks and Multiobjective Feature Selection for BCI with Multiresolution Analysis. <i>Lecture Notes in Computer Science</i> , 2017, , 28-39.	1.0	5
30	A Parallel Island Approach to Multiobjective Feature Selection for Brain-Computer Interfaces. <i>Lecture Notes in Computer Science</i> , 2017, , 16-27.	1.0	2
31	Re-ranking Google search returned web documents using document classification scores. <i>Artificial Intelligence Research</i> , 2016, 6, .	0.3	7
32	Class-specific pre-trained sparse autoencoders for learning effective features for document classification. , 2016, , .		2
33	Classification of motor imagery tasks for BCI with multiresolution analysis and multiobjective feature selection. <i>BioMedical Engineering OnLine</i> , 2016, 15, 73.	1.3	27
34	EMG Feature Set Selection Through Linear Relationship for Grasp Recognition. <i>Journal of Medical and Biological Engineering</i> , 2016, 36, 883-890.	1.0	24
35	cBDI-based Collaborative Control for a Robotic Wheelchair. <i>Procedia Computer Science</i> , 2016, 84, 127-131.	1.2	4
36	Multiresolution analysis over graphs for a motor imagery based online BCI game. <i>Computers in Biology and Medicine</i> , 2016, 68, 21-26.	3.9	35

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37	Quantification of SSVEP responses using multi-chromatic LED stimuli: Analysis on colour, orientation and frequency. , 2015, , .		5
38	Localization of neural efficiency of the mathematically gifted brain through a feature subset selection method. Cognitive Neurodynamics, 2015, 9, 495-508.	2.3	22
39	A Label-Aided Filter Method for Multi-objective Feature Selection in EEG Classification for BCI. Lecture Notes in Computer Science, 2015, , 133-144.	1.0	4
40	A new term weighting scheme based on class specific document frequency for document representation and classification. , 2015, , .		5
41	An experimental investigation on PCA based on cosine similarity and correlation for text feature dimensionality reduction. , 2015, , .		5
42	Mathematically gifted adolescents mobilize enhanced workspace configuration of theta cortical network during deductive reasoning. Neuroscience, 2015, 289, 334-348.	1.1	14
43	A co-training algorithm based on modified Fisher's linear discriminant analysis. Intelligent Data Analysis, 2015, 19, 279-292.	0.4	3
44	Evolutionary Multiobjective Feature Selection in Multiresolution Analysis for BCI. Lecture Notes in Computer Science, 2015, , 347-359.	1.0	3
45	Optimized Gamma Synchronization Enhances Functional Binding of Fronto-Parietal Cortices in Mathematically Gifted Adolescents during Deductive Reasoning. Frontiers in Human Neuroscience, 2014, 8, 430.	1.0	9
46	Wavelet Lifting over Information-Based EEG Graphs for Motor Imagery Data Classification. Lecture Notes in Computer Science, 2014, , 3-19.	1.0	0
47	A filter-dominating hybrid sequential forward floating search method for feature subset selection in high-dimensional space. International Journal of Machine Learning and Cybernetics, 2014, 5, 413-423.	2.3	29
48	A novel fuzzy logic approach to online exposure time calculation of line scan cameras in industrial inspection. International Journal of Modelling, Identification and Control, 2014, 21, 8.	0.2	2
49	A Batch-mode Active Learning Method Based on the Nearest Average-class Distance (NACD) for Multiclass Brain-Computer Interfaces. Journal of Fiber Bioengineering and Informatics, 2014, 7, 627-636.	0.2	8
50	CSP-Based EEG Analysis on Dissociated Brain Organization for Single-Digit Addition and Multiplication. Lecture Notes in Computer Science, 2014, , 131-139.	1.0	0
51	Extracting optimal tempo-spatial features using local discriminant bases and common spatial patterns for brain computer interfacing. Biomedical Signal Processing and Control, 2013, 8, 772-778.	3.5	31
52	Performance analysis of multi-frequency SSVEP-BCI using clear and frosted colour LED stimuli. , 2013, , .		17
53	EEG-Based Cortical Localization of Neural Efficiency Related to Mathematical Giftedness. Lecture Notes in Computer Science, 2013, , 25-32.	1.0	2
54	Continuous presentation for multi-objective channel selection in Brain-Computer Interfaces. , 2012, , .		4

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55	Extracting common spatial patterns based on wavelet lifting for brain computer interface design. , 2012, , .		2
56	Hangman BCI: An unsupervised adaptive self-paced Brain-Computer Interface for playing games. Computers in Biology and Medicine, 2012, 42, 598-606.	3.9	39
57	Temporal modeling of EEG during self-paced hand movement and its application in onset detection. Journal of Neural Engineering, 2011, 8, 056015.	1.8	10
58	Bayesian inference for an adaptive Ordered Probit model: An application to Brain Computer Interfacing. Neural Networks, 2011, 24, 726-734.	3.3	6
59	Conditional random fields as classifiers for three-class motor-imagery brain-computer interfaces. Journal of Neural Engineering, 2011, 8, 025013.	1.8	10
60	A Self-Paced Motor Imagery Based Brain-Computer Interface for Robotic Wheelchair Control. Clinical EEG and Neuroscience, 2011, 42, 225-229.	0.9	56
61	A Hybrid Approach to Feature Subset Selection for Brain-Computer Interface Design. Lecture Notes in Computer Science, 2011, , 279-286.	1.0	4
62	A self-paced online BCI for mobile robot control. International Journal of Advanced Mechatronic Systems, 2010, 2, 28.	0.1	18
63	Unsupervised movement onset detection from EEG recorded during self-paced real hand movement. Medical and Biological Engineering and Computing, 2010, 48, 245-253.	1.6	23
64	Multi-objective evolutionary methods for channel selection in Brain-Computer Interfaces: Some preliminary experimental results. , 2010, , .		17
65	Localisation of cognitive tasks used in EEG-based BCIs. Clinical Neurophysiology, 2010, 121, 1481-1493.	0.7	20
66	Planar Biped Walking With an Equilibrium Point Controller and State Machines. IEEE/ASME Transactions on Mechatronics, 2010, 15, 253-260.	3.7	19
67	Binary-SDMOPSO and its application in channel selection for Brain-Computer Interfaces. , 2010, , .		11
68	Adaptive schemes applied to online SVM for BCI data classification. , 2009, 2009, 2600-3.		25
69	Unsupervised adaptive GMM for BCI. , 2009, , .		13
70	Extracting Takagi-Sugeno Fuzzy Rules with Interpretable Submodels via Regularization of Linguistic Modifiers. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1191-1204.	4.0	30
71	Fuzziness index driven fuzzy relaxation algorithm and applications to image processing. Annals of Operations Research, 2009, 168, 119-131.	2.6	5
72	A self-paced brain-computer interface for controlling a robot simulator: an online event labelling paradigm and an extended Kalman filter based algorithm for online training. Medical and Biological Engineering and Computing, 2009, 47, 257-265.	1.6	71

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73	Adaptive classification for Brain Computer Interface systems using Sequential Monte Carlo sampling. <i>Neural Networks</i> , 2009, 22, 1286-1294.	3.3	30
74	Sequential classification of mental tasks vs. idle state for EEG based BCIs. , 2009, , .		11
75	Classifying mental tasks based on features of higher-order statistics from EEG signals in brain-computer interface. <i>Information Sciences</i> , 2008, 178, 1629-1640.	4.0	187
76	Low-level interpretability and high-level interpretability: a unified view of data-driven interpretable fuzzy system modelling. <i>Fuzzy Sets and Systems</i> , 2008, 159, 3091-3131.	1.6	230
77	Sequential Bayesian estimation for adaptive classification. , 2008, , .		1
78	A Novel Design of 4-Class BCI Using Two Binary Classifiers and Parallel Mental Tasks. <i>Computational Intelligence and Neuroscience</i> , 2008, 2008, 1-5.	1.1	23
79	Mental task classification against the idle state: A preliminary investigation. , 2008, 2008, 4473-7.		7
80	Producing interpretable local models in parametric CMAC by regularization. <i>International Journal of Knowledge-Based and Intelligent Engineering Systems</i> , 2008, 11, 399-408.	0.7	0
81	Adaptive Classification by Hybrid EKF with Truncated Filtering: Brain Computer Interfacing. <i>Lecture Notes in Computer Science</i> , 2008, , 370-377.	1.0	4
82	Constructing L2-SVM-Based Fuzzy Classifiers in High-Dimensional Space With Automatic Model Selection and Fuzzy Rule Ranking. <i>IEEE Transactions on Fuzzy Systems</i> , 2007, 15, 398-409.	6.5	72
83	A 3-class Asynchronous BCI Controlling A Simulated Mobile Robot. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 2524-7.	0.5	20
84	A Comparison of Mental Task Combinations for Asynchronous EEG-Based BCIs. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 5055-8.	0.5	6
85	Asynchronous BCI Control of a Robot Simulator with Supervised Online Training. , 2007, , 125-134.		21
86	EMG-based hands-free wheelchair control with EOG attention shift detection. , 2007, , .		46
87	Interactive image enhancement by fuzzy relaxation. <i>International Journal of Automation and Computing</i> , 2007, 4, 229-235.	4.5	14
88	A new fuzzy relaxation algorithm for image enhancement. <i>International Journal of Knowledge-Based and Intelligent Engineering Systems</i> , 2006, 10, 181-192.	0.7	4
89	Constructing accurate and parsimonious fuzzy models with distinguishable fuzzy sets based on an entropy measure. <i>Fuzzy Sets and Systems</i> , 2006, 157, 1057-1074.	1.6	30
90	Multiple Objective Learning for Constructing Interpretable Takagi-Sugeno Fuzzy Model. , 2006, , 385-403.		0

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91	An analysis of the inverse kinematics for a 5-DOF manipulator. International Journal of Automation and Computing, 2005, 2, 114-124.	4.5	59
92	A complete analytical solution to the inverse kinematics of the Pioneer 2 robotic arm. Robotica, 2005, 23, 123-129.	1.3	59
93	AN UNSUPERVISED KERNEL BASED FUZZY C-MEANS CLUSTERING ALGORITHM WITH KERNEL NORMALISATION. International Journal of Computational Intelligence and Applications, 2004, 04, 355-373.	0.6	13
94	A hybrid learning scheme combining EM and MASMOD algorithms for fuzzy local linearization modeling. IEEE Transactions on Neural Networks, 2001, 12, 43-53.	4.8	12
95	State estimation and multi-sensor data fusion using data-based neurofuzzy local linearisation process models. Information Fusion, 2001, 2, 17-29.	11.7	16
96	Recognition of handwritten numerals by Quantum Neural Network with fuzzy features. International Journal on Document Analysis and Recognition, 1999, 2, 30-36.	2.7	43
97	A complex valued radial basis function network for equalization of fast time varying channels. IEEE Transactions on Neural Networks, 1999, 10, 958-960.	4.8	23
98	Neurofuzzy State Estimators and Their Applications. Annual Reviews in Control, 1999, 23, 149-158.	4.4	3