Jianfeng Hu

List of Publications by Year
in descending order

76 papers	1,031 citations	471371 17 h-index	477173 29 g-index
79 all docs	79 docs citations	79 times ranked	780 citing authors

#	Article	IF	Citations
1	Automated detection of driver fatigue based on EEG signals using gradient boosting decision tree model. Cognitive Neurodynamics, 2018, 12, 431-440.	2.3	93
2	Driver fatigue detection through multiple entropy fusion analysis in an EEG-based system. PLoS ONE, 2017, 12, e0188756.	1.1	85
3	Driver Fatigue Detection System Using Electroencephalography Signals Based on Combined Entropy Features. Applied Sciences (Switzerland), 2017, 7, 150.	1.3	80
4	Automated Detection of Driver Fatigue Based on AdaBoost Classifier with EEG Signals. Frontiers in Computational Neuroscience, 2017, 11, 72.	1.2	63
5	Comparison of Different Features and Classifiers for Driver Fatigue Detection Based on a Single EEG Channel. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-9.	0.7	61
6	Real‐time eye tracking for the assessment of driver fatigue. Healthcare Technology Letters, 2018, 5, 54-58.	1.9	59
7	EEG-Based Person Authentication Using a Fuzzy Entropy-Related Approach with Two Electrodes. Entropy, 2016, 18, 432.	1.1	58
8	Driving Fatigue Detecting Based on EEG Signals of Forehead Area. International Journal of Pattern Recognition and Artificial Intelligence, 2017, 31, 1750011.	0.7	47
9	An approach to EEG-based gender recognition using entropy measurement methods. Knowledge-Based Systems, 2018, 140, 134-141.	4.0	39
10	First-principles study the phase stability and mechanical properties of binary W-Mo alloys. Fusion Engineering and Design, 2018, 130, 56-61.	1.0	35
11	Ensemble classifier for driver's fatigue detection based on a single EEG channel. IET Intelligent Transport Systems, 2018, 12, 1322-1328.	1.7	33
12	New biometric approach based on motor imagery EEG signals. , 2009, , .		25
13	Comparison of different entropies as features for person authentication based on EEG signals. IET Biometrics, 2017, 6, 409-417.	1.6	25
14	A hybrid model for EEG-based gender recognition. Cognitive Neurodynamics, 2019, 13, 541-554.	2.3	25
15	Method of Individual Identification Based on Electroencephalogram Analysis. , 2009, , .		22
16	Noise Robustness Analysis of Performance for EEG-Based Driver Fatigue Detection Using Different Entropy Feature Sets. Entropy, 2017, 19, 385.	1.1	21
17	Developing and evaluating a mobile driver fatigue detection network based on electroencephalograph signals. Healthcare Technology Letters, 2017, 4, 34-38.	1.9	20
18	Classification of Motor Imagery EEG Signals Based on Energy Entropy. , 2009, , .		19

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19	Effect of Zr additions on crystal structures and mechanical properties of binary W–Zr alloys: A first-principles study. Journal of Materials Research, 2019, 34, 290-300.	1.2	19
20	First-principles study the structures and mechanical properties of binary W-V alloys. Physica B: Condensed Matter, 2019, 552, 165-169.	1.3	17
21	Multi-Feature Authentication System Based on Event Evoked Electroencephalogram. Journal of Medical Imaging and Health Informatics, 2015, 5, 862-870.	0.2	17
22	Effect of Hf additions on phase stability and mechanical properties of binary W-Hf alloys: A first-principles study. Fusion Engineering and Design, 2018, 137, 295-302.	1.0	12
23	Stimulus pattern related plasticity of synapses between cones and horizontal cells in carp retina. Brain Research, 2000, 857, 321-326.	1.1	11
24	Multifeature biometric system based on EEG signals. , 2009, , .		11
25	Phase Locking Analysis of Motor Imagery in Brain-Computer Interface. , 2008, , .		10
26	Biometric System Based on EEG Signals by Feature Combination. , 2010, , .		10
27	Research of EEG identification computing based on AR model. , 2009, , .		9
28	A Linear Discrimination Method Used in Motor Imagery EEG Classification. , 2009, , .		9
29	Identification of Motor Imagery EEG Signal. , 2010, , .		9
30	Comparison of Different Classifiers for Biometric System Based on EEG Signals. , 2010, , .		8
31	EEG authentication system based on auto-regression coefficients. , 2016, , .		7
32	Research of key technology in game theory. , 2010, , .		6
33	Research of Drowsiness in Driving Based on EEG. , 2010, , .		6
34	Application of Second-Order Blind Identification in Motor Imagery EEG Classification. , 2008, , .		5
35	Design and application of brain-computer interface web browser based on VEP. , 2009, , .		5
36	Research of computing in EEG password based on wavelet. , 2009, , .		4

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37	Biometric System Based on EEG Signals: A Nonlinear Model Approach. , 2010, , .		4
38	Research on EEG Identification Computing Based on Photo Images. Advanced Materials Research, 0, 217-218, 1366-1371.	0.3	4
39	Classification of Motor Imagery EEG Based on a Time-Frequency Analysis and Second-Order Blind Identification. , 2008, , .		3
40	Study on Arithmetic Library of Signal Process Based on PDA. Advanced Materials Research, 2011, 282-283, 326-329.	0.3	3
41	Learning and Decision Making in Human During a Game of Matching Pennies. International Journal of Digital Content Technology and Its Applications, 2010, 4, 100-108.	0.1	3
42	The feedforward component in depolarizing red responses of R/G horizontal cells in carp retina. Visual Neuroscience, 2000, 17, 919-924.	0.5	2
43	Models describing nonlinear interactions in graded neuron synapses. Biological Cybernetics, 2003, 88, 380-386.	0.6	2
44	Possible mechanism of flicking-induced short-term plasticity in retinal cone-LHC synapse: a computational study. Biological Cybernetics, 2004, 90, 360-7.	0.6	2
45	Analysis of Individual Career Decision-Making Based on Partial Least-Squares Regression Model. , 2009, , .		2
46	Research of Welch Arithmetic and Wavelet Transforms for Person Identification of EEG. , 2009, , .		2
47	Comparison of Event-Related Potentials Between Conceptually Similar Chinese Words, English Words, and Pictures. Cognitive Computation, 2010, 2, 50-61.	3.6	2
48	Features Extraction Method of Motor Imagery EEG Based on Information Granules. Applied Mechanics and Materials, 2014, 496-500, 1982-1985.	0.2	2
49	Application of a brain-computer interface for person authentication using EEG responses to photo stimuli. Journal of Integrative Neuroscience, 2018, 17, 113-124.	0.8	2
50	Research of Model-Based Code Automatic Generation of Management Systems. , 2008, , .		1
51	Nonlinear analysis for motor imagery EEG based kernel partial least squares. , 2009, , .		1
52	A Career Decision-Making Study Based on Value Engineering. Key Engineering Materials, 0, 426-427, 664-667.	0.4	1
53	Multifeature Analysis in Motor Imagery EEG Classification. , 2010, , .		1
54	An ab initio study on the effect of junctions on transport characteristics of nitrogen and aluminum mixed chain. Chinese Journal of Physics, 2018, 56, 659-664.	2.0	1

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55	Modeling Research on Decision-Making Strategies in Human-Computer and Human-Human Ultimatum Game. Advances in Intelligent and Soft Computing, 2012, , 1015-1021.	0.2	1
56	A competitive model for spectral plasticity in the outer retina. Neurocomputing, 2003, 50, 407-418.	3.5	0
57	Computer Simulation of Adsorption Behavior of Active Carbon Pores. , 2008, , .		0
58	Comparison of event-related potentials between conceptually similar Chinese words and pictures. , 2009, , .		0
59	Characteristics of Coupled Solitary Waves in Nerve Impulse Transmission with Dissipation. , 2009, , .		0
60	Learning and decision making in human during a game of matching pennies. , 2009, , .		0
61	A Probabilistic Computing Approach of Attack Graph-Based Nodes in Large-scale Network. Procedia Environmental Sciences, 2011, 10, 1364-1369.	1.3	0
62	Neuro-ethics: a research report from Chinese investigation. Proceedings of SPIE, 2011, , .	0.8	0
63	A Study on Group Counseling Effect Estimated by Sociometry and Attributional Style Questionnaire. Applied Mechanics and Materials, 0, 66-68, 489-493.	0.2	0
64	The Propagation Properties of the Vector Dark Soliton. Advanced Materials Research, 0, 301-303, 881-884.	0.3	0
65	A Research on the Enhancing Vocational College Students' Employment Stability by "7P" Orders Education Mode. Advanced Materials Research, 0, 271-273, 1219-1223.	0.3	0
66	Practical Applications of Motor Imagery EEG Based on BP Neural Networks. Applied Mechanics and Materials, 2012, 263-266, 3374-3377.	0.2	0
67	The Game Theory Research for Human-Computer and Human-Human. , 2012, , .		0
68	Authentication System Using EEG Biometric for Smart Home. Applied Mechanics and Materials, 2013, 457-458, 1228-1231.	0.2	0
69	Authentication System for Biometric Applications Using Mobile Devices. Applied Mechanics and Materials, 0, 457-458, 1224-1227.	0.2	0
70	EEG Feature Extraction Based on Wavelet Decomposition. Applied Mechanics and Materials, 0, 496-500, 2023-2026.	0.2	0
71	Information Granule Reduction and Cluster Based Partial Least Squares Applied in EEG Signals. Applied Mechanics and Materials, 2014, 496-500, 2256-2259.	0.2	0
72	Tolerance Information Granules Used in EEG Classification. Applied Mechanics and Materials, 2014, 496-500, 1979-1981.	0.2	0

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73	The Application of BCI Technology in Android RPG Game. Applied Mechanics and Materials, 0, 496-500, 2015-2018.	0.2	0
74	Design of Identification System Based on BCI. Applied Mechanics and Materials, 2014, 496-500, 1975-1978.	0.2	0
75	A Research into â€œPRAMsâ€•Mode of Orders Education. Communications in Computer and Information Science, 2011, , 226-231.	0.4	0
76	Survey of Job Happiness of College Students in Enterprise. Advances in Intelligent and Soft Computing, 2012, , 349-354.	0.2	0