Sicong Zhang

List of Publications by Year
in descending order

46 papers	547 citations	687363 13 h-index	713466 21 g-index
46 all docs	46 docs citations	46 times ranked	391 citing authors

#	Article	IF	Citations
1	Highly Interactive Brain–Computer Interface Based on Flicker-Free Steady-State Motion Visual Evoked Potential. Scientific Reports, 2018, 8, 5835.	3.3	62
2	Data Augmentation for Motor Imagery Signal Classification Based on a Hybrid Neural Network. Sensors, 2020, 20, 4485.	3.8	61
3	Application of Transfer Learning in EEG Decoding Based on Brain-Computer Interfaces: A Review. Sensors, 2020, 20, 6321.	3.8	37
4	Steady-State Motion Visual Evoked Potential (SSMVEP) Based on Equal Luminance Colored Enhancement. PLoS ONE, 2017, 12, e0169642.	2.5	35
5	The Role of Visual Noise in Influencing Mental Load and Fatigue in a Steady-State Motion Visual Evoked Potential-Based Brain-Computer Interface. Sensors, 2017, 17, 1873.	3.8	27
6	Assessment of Human Visual Acuity Using Visual Evoked Potential: A Review. Sensors, 2020, 20, 5542.	3.8	26
7	Anti-fatigue Performance in SSVEP-Based Visual Acuity Assessment: A Comparison of Six Stimulus Paradigms. Frontiers in Human Neuroscience, 2020, 14, 301.	2.0	25
8	Emission Characteristics of Particulate Matter from Two Ultralow-Emission Coal-Fired Industrial Boilers in Xi'an, China. Energy & Fuels, 2019, 33, 1944-1954.	5.1	24
9	Self-supervised bi-classifier adversarial transfer network for cross-domain fault diagnosis of rotating machinery. ISA Transactions, 2022, 130, 433-448.	5.7	24
10	Addition of visual noise boosts evoked potential-based brain-computer interface. Scientific Reports, 2014, 4, 4953.	3.3	20
11	Objective and quantitative assessment of interocular suppression in strabismic amblyopia based on steady-state motion visual evoked potentials. Vision Research, 2019, 164, 44-52.	1.4	16
12	Three-Dimensional Pose Estimation of Infants Lying Supine Using Data From a Kinect Sensor With Low Training Cost. IEEE Sensors Journal, 2021, 21, 6904-6913.	4.7	15
13	Objective and quantitative assessment of visual acuity and contrast sensitivity based on steady-state motion visual evoked potentials using concentric-ring paradigm. Documenta Ophthalmologica, 2019, 139, 123-136.	2.2	14
14	RGB-D Videos-Based Early Prediction of Infant Cerebral Palsy via General Movements Complexity. IEEE Access, 2021, 9, 42314-42324.	4.2	14
15	A motion rehabilitation self-training and evaluation system using Kinect. , 2016, , .		13
16	Instance Transfer Subject-Dependent Strategy for Motor Imagery Signal Classification Using Deep Convolutional Neural Networks. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-10.	1.3	13
17	Comparison of the performance of six stimulus paradigms in visual acuity assessment based on steady-state visual evoked potentials. Documenta Ophthalmologica, 2020, 141, 237-251.	2.2	13
18	Automatically Measure the Quality of Infants' Spontaneous Movement via Videos to Predict the Risk of Cerebral Palsy. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	12

#	Article	IF	Citations
19	Tacholess order-tracking approach for wind turbine gearbox fault detection. Frontiers of Mechanical Engineering, 2017, 12, 427-439.	4.3	10
20	A 3D-printed soft hand exoskeleton with finger abduction assistance. , 2019, , .		10
21	A General Arthropod Joint Model and its Applications in Modeling Human Robotic Joints. IEEE Access, 2021, 9, 7814-7822.	4.2	10
22	Learning Deep Representation for Blades Icing Fault Detection of Wind Turbines. , 2018, , .		7
23	Real-time, precise, rapid and objective visual acuity assessment by self-adaptive step SSVEPs. Journal of Neural Engineering, 2021, 18, 046047.	3.5	7
24	Waveform feature extraction and signal recovery in single-channel TVEP based on Fitzhughâ€"Nagumo stochastic resonance. Journal of Neural Engineering, 2021, 18, 056031.	3.5	7
25	Supine Infant Pose Estimation via Single Depth Image. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	7
26	Human action recognition based on kinematic similarity in real time. PLoS ONE, 2017, 12, e0185719.	2.5	6
27	Enhancing Performance of SSVEP-Based Visual Acuity via Spatial Filtering. Frontiers in Neuroscience, 2021, 15, 716051.	2.8	5
28	Multi-scale noise transfer and feature frequency detection in SSVEP based on FitzHughâ€"Nagumo neuron system. Journal of Neural Engineering, 2021, 18, 056054.	3.5	5
29	Evaluation of Synergy-Based Hand Gesture Recognition Method Against Force Variation for Robust Myoelectric Control. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2345-2354.	4.9	5
30	A Three-Phase Current Tacholess Envelope Order Analysis Method for Feature Extraction of Planetary Gearbox under Variable Speed Conditions. Sensors, 2021, 21, 5714.	3.8	3
31	Design of rigid-compliant parallel exoskeleton knee joint. , 2017, , .		2
32	A New Brain-Computer Interface Paradigm based on Steady-State Visual Evoked Potential of Illusory Pattern Motion Perception*. , 2019, , .		2
33	Fuzzy-adaptive Impedance Control of Upper Limb Rehabilitation Robot Based on sEMG*. , 2019, , .		2
34	Performance Evaluation of a "Switch-To-Target" Based Asynchronous SSVEP BCI Paradigm. , 2019, , .		2
35	Quantitative and objective diagnosis of color vision deficiencies based on steady-state visual evoked potentials. International Ophthalmology, 2021, 41, 587-598.	1.4	2
36	An Asynchronous Detection Algorithm for SSVEP-Based BCI Using Gradient Boosting Decision Tree. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
37	Enhancement of capability for motor imagery using vestibular imbalance stimulation during brain computer interface. Journal of Neural Engineering, 2021, 18, .	3.5	1
38	Using Phase Synchronization to Improve the Performance of Spatial Filter during Motor Imagery EEG Classification. , 2021, , .		1
39	Lubrication Condition Monitoring and Evaluation of Rolling Bearing Based on Acoustic Emission. , 2018, , .		0
40	Pose Estimation Technique of Scattered Pistons Based on CAD Model and Global Feature. , 2019, , .		0
41	symmetric Multifractal Detrended Cross-Correlation Analysis of EEG and sEMG in The Processes of Myodynamia Changes. , 2019, , .		0
42	Objective Dynamic Visual Acuity Assessment Method Based on Steady-State Visual Evoked Potentials with Smooth-Pursuit Eye Movements Recording. Journal of Vision, 2021, 21, 2452.	0.3	0
43	Difference analysis of visual brain response between natural light and traditional LED based on steady-state visual evoked potential (SSVEP) paradigm stimulation. Journal of Vision, 2021, 21, 2564.	0.3	0
44	An Objective and Sensitive Visual Acuity Assessment Method for Preverbal and Infantile Children Based on Steady-State Motion Visual Evoked Potentials. Journal of Vision, 2019, 19, 116a.	0.3	0
45	Effects of Stimulus Frequency on Steady-State Visual Evoked Potential-Based Brain-Computer Interfaces. , 2021, , .		0
46	Does Oblique Effect Affect SSVEP-Based Visual Acuity Assessment?. Frontiers in Neuroscience, 2021, 15, 784888.	2.8	0