

Sicong Zhang

List of Publications by Year in descending order

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46
papers

547
citations

687363

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46
all docs

46
docs citations

46
times ranked

391
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-supervised bi-classifier adversarial transfer network for cross-domain fault diagnosis of rotating machinery. ISA Transactions, 2022, 130, 433-448.	5.7	24
2	Supine Infant Pose Estimation via Single Depth Image. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	7
3	Quantitative and objective diagnosis of color vision deficiencies based on steady-state visual evoked potentials. International Ophthalmology, 2021, 41, 587-598.	1.4	2
4	A General Arthropod Joint Model and its Applications in Modeling Human Robotic Joints. IEEE Access, 2021, 9, 7814-7822.	4.2	10
5	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
6	Real-time, precise, rapid and objective visual acuity assessment by self-adaptive step SSVEPs. Journal of Neural Engineering, 2021, 18, 046047.	3.5	7
7	A Three-Phase Current Tachless Envelope Order Analysis Method for Feature Extraction of Planetary Gearbox under Variable Speed Conditions. Sensors, 2021, 21, 5714.	3.8	3
8	Enhancing Performance of SSVEP-Based Visual Acuity via Spatial Filtering. Frontiers in Neuroscience, 2021, 15, 716051.	2.8	5
9	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
10	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
11	Enhancement of capability for motor imagery using vestibular imbalance stimulation during brain computer interface. Journal of Neural Engineering, 2021, 18, .	3.5	1
12	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
13	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
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	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
16	Automatically Measure the Quality of Infantsâ€™ Spontaneous Movement via Videos to Predict the Risk of Cerebral Palsy. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	12
17	Using Phase Synchronization to Improve the Performance of Spatial Filter during Motor Imagery EEG Classification. , 2021, , .		1
18	Effects of Stimulus Frequency on Steady-State Visual Evoked Potential-Based Brain-Computer Interfaces. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Does Oblique Effect Affect SSVEP-Based Visual Acuity Assessment?. <i>Frontiers in Neuroscience</i> , 2021, 15, 784888.	2.8	0
20	Instance Transfer Subject-Dependent Strategy for Motor Imagery Signal Classification Using Deep Convolutional Neural Networks. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-10.	1.3	13
21	Anti-fatigue Performance in SSVEP-Based Visual Acuity Assessment: A Comparison of Six Stimulus Paradigms. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 301.	2.0	25
22	Assessment of Human Visual Acuity Using Visual Evoked Potential: A Review. <i>Sensors</i> , 2020, 20, 5542.	3.8	26
23	Data Augmentation for Motor Imagery Signal Classification Based on a Hybrid Neural Network. <i>Sensors</i> , 2020, 20, 4485.	3.8	61
24	Application of Transfer Learning in EEG Decoding Based on Brain-Computer Interfaces: A Review. <i>Sensors</i> , 2020, 20, 6321.	3.8	37
25	Comparison of the performance of six stimulus paradigms in visual acuity assessment based on steady-state visual evoked potentials. <i>Documenta Ophthalmologica</i> , 2020, 141, 237-251.	2.2	13
26	An Asynchronous Detection Algorithm for SSVEP-Based BCI Using Gradient Boosting Decision Tree. , 2020, , .		2
27	A 3D-printed soft hand exoskeleton with finger abduction assistance. , 2019, , .		10
28	Pose Estimation Technique of Scattered Pistons Based on CAD Model and Global Feature. , 2019, , .		0
29	A New Brain-Computer Interface Paradigm based on Steady-State Visual Evoked Potential of Illusory Pattern Motion Perception*. , 2019, , .		2
30	Fuzzy-adaptive Impedance Control of Upper Limb Rehabilitation Robot Based on sEMG*. , 2019, , .		2
31	Performance Evaluation of a "Switch-To-Target" Based Asynchronous SSVEP BCI Paradigm. , 2019, , .		2
32	Objective and quantitative assessment of interocular suppression in strabismic amblyopia based on steady-state motion visual evoked potentials. <i>Vision Research</i> , 2019, 164, 44-52.	1.4	16
33	Emission Characteristics of Particulate Matter from Two Ultralow-Emission Coal-Fired Industrial Boilers in Xi'an, China. <i>Energy & Fuels</i> , 2019, 33, 1944-1954.	5.1	24
34	Objective and quantitative assessment of visual acuity and contrast sensitivity based on steady-state motion visual evoked potentials using concentric-ring paradigm. <i>Documenta Ophthalmologica</i> , 2019, 139, 123-136.	2.2	14
35	symmetric Multifractal Detrended Cross-Correlation Analysis of EEG and sEMG in The Processes of Myodynamia Changes. , 2019, , .		0
36	An Objective and Sensitive Visual Acuity Assessment Method for Preverbal and Infantile Children Based on Steady-State Motion Visual Evoked Potentials. <i>Journal of Vision</i> , 2019, 19, 116a.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Highly Interactive Brain-Computer Interface Based on Flicker-Free Steady-State Motion Visual Evoked Potential. Scientific Reports, 2018, 8, 5835.	3.3	62
38	Lubrication Condition Monitoring and Evaluation of Rolling Bearing Based on Acoustic Emission. , 2018, , .		0
39	Learning Deep Representation for Blades Icing Fault Detection of Wind Turbines. , 2018, , .		7
40	Tachless order-tracking approach for wind turbine gearbox fault detection. Frontiers of Mechanical Engineering, 2017, 12, 427-439.	4.3	10
41	Design of rigid-compliant parallel exoskeleton knee joint. , 2017, , .		2
42	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
43	Steady-State Motion Visual Evoked Potential (SSMVEP) Based on Equal Luminance Colored Enhancement. PLoS ONE, 2017, 12, e0169642.	2.5	35
44	Human action recognition based on kinematic similarity in real time. PLoS ONE, 2017, 12, e0185719.	2.5	6
45	A motion rehabilitation self-training and evaluation system using Kinect. , 2016, , .		13
46	Addition of visual noise boosts evoked potential-based brain-computer interface. Scientific Reports, 2014, 4, 4953.	3.3	20