

Yingzi Lin

List of Publications by Year in descending order

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41
papers

1,035
citations

516710

16
h-index

434195

31
g-index

41
all docs

41
docs citations

41
times ranked

1160
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart manufacturing based on cyber-physical systems and beyond. <i>Journal of Intelligent Manufacturing</i> , 2019, 30, 2805-2817.	7.3	173
2	Toward a Resilient Holistic Supply Chain Network System: Concept, Review and Future Direction. <i>IEEE Systems Journal</i> , 2016, 10, 410-421.	4.6	117
3	Emerging manufacturing paradigm shifts for the incoming industrial revolution. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 85, 1665-1676.	3.0	93
4	Cognition Digital Twins for Personalized Information Systems of Smart Cities: Proof of Concept. <i>Journal of Management in Engineering - ASCE</i> , 2020, 36, .	4.8	60
5	Driver drowsiness recognition based on computer vision technology. <i>Tsinghua Science and Technology</i> , 2012, 17, 354-362.	6.1	58
6	Integrated design and operation management for enterprise systems. <i>Enterprise Information Systems</i> , 2019, 13, 424-429.	4.7	56
7	A Socially Inspired Framework for Human State Inference Using Expert Opinion Integration. <i>IEEE/ASME Transactions on Mechatronics</i> , 2011, 16, 874-878.	5.8	53
8	Adaptive Tracking Control of Hybrid Machines: A Closed-Chain Five-Bar Mechanism Case. <i>IEEE/ASME Transactions on Mechatronics</i> , 2011, 16, 1155-1163.	5.8	50
9	Driver drowsiness detection based on multisource information. <i>Human Factors and Ergonomics in Manufacturing</i> , 2012, 22, 450-467.	2.7	37
10	On a Simple and Efficient Approach to Probability Distribution Function Aggregation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, , 1-100.	9.3	37
11	Integrated Design of Machine Body and Control Algorithm for Improving the Robustness of a Closed-Chain Five-Bar Machine. <i>IEEE/ASME Transactions on Mechatronics</i> , 2012, 17, 587-591.	5.8	29
12	Using physiological and behavioral measurements in a picture-based road hazard perception experiment to classify risky and safe drivers. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018, 58, 93-105.	3.7	26
13	A Natural Contact Sensor Paradigm for Nonintrusive and Real-Time Sensing of Biosignals in Human-Machine Interactions. <i>IEEE Sensors Journal</i> , 2011, 11, 522-529.	4.7	24
14	Coordinating Cognitive Assistance With Cognitive Engagement Control Approaches in Human-Machine Collaboration. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2012, 42, 286-294.	2.9	24
15	Diverse frequency band-based convolutional neural networks for tonic cold pain assessment using EEG. <i>Neurocomputing</i> , 2020, 378, 270-282.	5.9	21
16	A Roadside ITS Data Bus Prototype for Intelligent Highways. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2008, 9, 344-348.	8.0	18
17	An integrated head pose and eye gaze tracking approach to non-intrusive visual attention measurement for wide FOV simulators. <i>Virtual Reality</i> , 2012, 16, 25-32.	6.1	13
18	An experimental study of objective pain measurement using pupillary response based on genetic algorithm and artificial neural network. <i>Applied Intelligence</i> , 2022, 52, 1145-1156.	5.3	12

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19	Coordinating multi-level cognitive assistance and incorporating dynamic confidence information in driver-vehicle interfaces. <i>Human Factors and Ergonomics in Manufacturing</i> , 2012, 22, 437-449.	2.7	11
20	A multiple autocorrelation analysis method for motor imagery EEG feature extraction. , 2014, , .		11
21	Using EEG to detect driving fatigue based on common spatial pattern and support vector machine. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2021, 29, 1429-1444.	1.4	11
22	Objective Pain Measurement based on Physiological Signals. <i>Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare</i> , 2018, 7, 240-247.	0.3	9
23	Development of a Novel Deformation-Based Tissue Softness Sensor. <i>IEEE Sensors Journal</i> , 2009, 9, 548-554.	4.7	8
24	Gaze tracking system for teleoperation. , 2014, , .		8
25	Mobile Robot Control by BCI Based on Motor Imagery. , 2014, , .		8
26	Design and Experimental Study of a CNT Sensor for Measuring Alcohol Content With Short Response Delay. <i>IEEE Sensors Journal</i> , 2010, 10, 1091-1097.	4.7	7
27	Impact of Distracted Drivers on Individual and Group Behavior of Following Vehicles: A Networked Multi-Driver Simulator Study. <i>Transportation Research Record</i> , 2018, 2672, 45-54.	1.9	7
28	A CNN-based personalized system for attention detection in wayfinding tasks. <i>Advanced Engineering Informatics</i> , 2020, 46, 101180.	8.0	7
29	Cold pressor pain assessment based on EEG power spectrum. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	7
30	Experimental Exploration of Objective Human Pain Assessment Using Multimodal Sensing Signals. <i>Frontiers in Neuroscience</i> , 2022, 16, 831627.	2.8	7
31	Toward Intelligent Human Machine Interactions. <i>Mechanical Engineering</i> , 2017, 139, S4-S8.	0.1	6
32	Light regression memory and multi-perspective object special proposals for abrupt motion tracking. <i>Knowledge-Based Systems</i> , 2021, 226, 107127.	7.1	5
33	A Personalized Spatial-Temporal Cold Pain Intensity Estimation Model Based on Facial Expression. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2021, 9, 1-8.	3.7	5
34	Novel Registration and Fusion Algorithm for Multimodal Railway Images with Different Field of Views. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-16.	1.7	4
35	Biosensor-Based Video Game Control for Physically Disabled Gamers. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010, 54, 2383-2387.	0.3	3
36	From human skin to Nano-Skin: an experimental study on human skin temperature measurement. <i>International Journal of Smart and Nano Materials</i> , 2011, 2, 78-91.	4.2	3

#	ARTICLE	IF	CITATIONS
37	A spatial-temporal trajectory clustering algorithm for eye fixations identification. Intelligent Data Analysis, 2016, 20, 377-393.	0.9	2
38	Development towards simple fabrication steps for flexible optoelectronic films. Thin Solid Films, 2018, 665, 59-67.	1.8	2
39	A multi-mode excitation hardness prediction method based on controlled laser air-force detection (CLAFD) technique. Materials Research Express, 2019, 6, 125419.	1.6	1
40	Detecting Physiological Changes in Response to Sudden Events in Driving: A Nonlinear Dynamics Approach. , 2020, , .		1
41	Multi-mechanical properties comprehensive evaluation by single excitation mode using controlled laser air-force detection (CLAFD) technique. Soft Materials, 2021, 19, 100-112.	1.7	1