

# 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	An experimental study of objective pain measurement using pupillary response based on genetic algorithm and artificial neural network. Applied Intelligence, 2022, 52, 1145-1156.	5.3	12
2	Experimental Exploration of Objective Human Pain Assessment Using Multimodal Sensing Signals. Frontiers in Neuroscience, 2022, 16, 831627.	2.8	7
3	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
4	Using EEG to detect driving fatigue based on common spatial pattern and support vector machine. Turkish Journal of Electrical Engineering and Computer Sciences, 2021, 29, 1429-1444.	1.4	11
5	Light regression memory and multi-perspective object special proposals for abrupt motion tracking. Knowledge-Based Systems, 2021, 226, 107127.	7.1	5
6	A Personalized Spatial-Temporal Cold Pain Intensity Estimation Model Based on Facial Expression. IEEE Journal of Translational Engineering in Health and Medicine, 2021, 9, 1-8.	3.7	5
7	Diverse frequency band-based convolutional neural networks for tonic cold pain assessment using EEG. Neurocomputing, 2020, 378, 270-282.	5.9	21
8	Cognition Digital Twins for Personalized Information Systems of Smart Cities: Proof of Concept. Journal of Management in Engineering - ASCE, 2020, 36, .	4.8	60
9	A CNN-based personalized system for attention detection in wayfinding tasks. Advanced Engineering Informatics, 2020, 46, 101180.	8.0	7
10	Cold pressor pain assessment based on EEG power spectrum. SN Applied Sciences, 2020, 2, 1.	2.9	7
11	Detecting Physiological Changes in Response to Sudden Events in Driving: A Nonlinear Dynamics Approach. , 2020, , .		1
12	Integrated design and operation management for enterprise systems. Enterprise Information Systems, 2019, 13, 424-429.	4.7	56
13	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
14	Smart manufacturing based on cyber-physical systems and beyond. Journal of Intelligent Manufacturing, 2019, 30, 2805-2817.	7.3	173
15	Novel Registration and Fusion Algorithm for Multimodal Railway Images with Different Field of Views. Journal of Advanced Transportation, 2018, 2018, 1-16.	1.7	4
16	Development towards simple fabrication steps for flexible optoelectronic films. Thin Solid Films, 2018, 665, 59-67.	1.8	2
17	Impact of Distracted Drivers on Individual and Group Behavior of Following Vehicles: A Networked Multi-Driver Simulator Study. Transportation Research Record, 2018, 2672, 45-54.	1.9	7
18	Using physiological and behavioral measurements in a picture-based road hazard perception experiment to classify risky and safe drivers. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 58, 93-105.	3.7	26

#	ARTICLE	IF	CITATIONS
19	Objective Pain Measurement based on Physiological Signals. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2018, 7, 240-247.	0.3	9
20	Toward Intelligent Human Machine Interactions. Mechanical Engineering, 2017, 139, S4-S8.	0.1	6
21	A spatial-temporal trajectory clustering algorithm for eye fixations identification. Intelligent Data Analysis, 2016, 20, 377-393.	0.9	2
22	On a Simple and Efficient Approach to Probability Distribution Function Aggregation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, , 1-100.	9.3	37
23	Toward a Resilient Holistic Supply Chain Network System: Concept, Review and Future Direction. IEEE Systems Journal, 2016, 10, 410-421.	4.6	117
24	Emerging manufacturing paradigm shifts for the incoming industrial revolution. International Journal of Advanced Manufacturing Technology, 2016, 85, 1665-1676.	3.0	93
25	Gaze tracking system for teleoperation. , 2014, , .		8
26	Mobile Robot Control by BCI Based on Motor Imagery. , 2014, , .		8
27	A multiple autocorrelation analysis method for motor imagery EEG feature extraction. , 2014, , .		11
28	Driver drowsiness recognition based on computer vision technology. Tsinghua Science and Technology, 2012, 17, 354-362.	6.1	58
29	Driver drowsiness detection based on multisource information. Human Factors and Ergonomics in Manufacturing, 2012, 22, 450-467.	2.7	37
30	Coordinating multi-level cognitive assistance and incorporating dynamic confidence information in driver-vehicle interfaces. Human Factors and Ergonomics in Manufacturing, 2012, 22, 437-449.	2.7	11
31	An integrated head pose and eye gaze tracking approach to non-intrusive visual attention measurement for wide FOV simulators. Virtual Reality, 2012, 16, 25-32.	6.1	13
32	Coordinating Cognitive Assistance With Cognitive Engagement Control Approaches in Human-Machine Collaboration. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 286-294.	2.9	24
33	Integrated Design of Machine Body and Control Algorithm for Improving the Robustness of a Closed-Chain Five-Bar Machine. IEEE/ASME Transactions on Mechatronics, 2012, 17, 587-591.	5.8	29
34	A Natural Contact Sensor Paradigm for Nonintrusive and Real-Time Sensing of Biosignals in Human-Machine Interactions. IEEE Sensors Journal, 2011, 11, 522-529.	4.7	24
35	Adaptive Tracking Control of Hybrid Machines: A Closed-Chain Five-Bar Mechanism Case. IEEE/ASME Transactions on Mechatronics, 2011, 16, 1155-1163.	5.8	50
36	A Socially Inspired Framework for Human State Inference Using Expert Opinion Integration. IEEE/ASME Transactions on Mechatronics, 2011, 16, 874-878.	5.8	53

#	ARTICLE	IF	CITATIONS
37	From human skin to Nano-Skin: an experimental study on human skin temperature measurement. International Journal of Smart and Nano Materials, 2011, 2, 78-91.	4.2	3
38	Biosensor-Based Video Game Control for Physically Disabled Gamers. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 2383-2387.	0.3	3
39	Design and Experimental Study of a CNT Sensor for Measuring Alcohol Content With Short Response Delay. IEEE Sensors Journal, 2010, 10, 1091-1097.	4.7	7
40	Development of a Novel Deformation-Based Tissue Softness Sensor. IEEE Sensors Journal, 2009, 9, 548-554.	4.7	8
41	A Roadside ITS Data Bus Prototype for Intelligent Highways. IEEE Transactions on Intelligent Transportation Systems, 2008, 9, 344-348.	8.0	18