

Junpei Zhong

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

396
citations

840585

11
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887953

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51
all docs

51
docs citations

51
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	A Visual-Based Gesture Prediction Framework Applied in Social Robots. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 510-519.	8.5	21
2	A Review on Data-Driven Methods for Human Activity Recognition in Smart Homes. Advances in Medical Technologies and Clinical Practice Book Series, 2022, , 21-40.	0.3	0
3	An incremental cross-modal transfer learning method for gesture interaction. Robotics and Autonomous Systems, 2022, 155, 104181.	3.0	2
4	Contactless sleep quality monitoring through thermal vision. , 2022, , .		0
5	Adaptive Thermal Sensor Array Placement for Human Segmentation and Occupancy Estimation. IEEE Sensors Journal, 2021, 21, 1993-2002.	2.4	30
6	On the Gap between Domestic Robotic Applications and Computational Intelligence. Electronics (Switzerland), 2021, 10, 793.	1.8	7
7	Complicated robot activity recognition by quality-aware deep reinforcement learning. Future Generation Computer Systems, 2021, 117, 480-485.	4.9	24
8	A Novel Privacy-Preserving Approach for Physical Distancing Measurement Using Thermal Sensor Array. , 2021, , .		8
9	Guest Editorial Special Issue on Continual Unsupervised Sensorimotor Learning. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 234-238.	2.6	0
10	It is Time to Laugh: Discovering Specific Contexts for Laughter with Attention Mechanism. , 2021, , .		1
11	Upper Limb Rehabilitation Robot System Based on Internet of Things Remote Control. IEEE Access, 2020, 8, 154461-154470.	2.6	14
12	Multiple Timescale and Gated Mechanisms for Action and Language Learning in Robotics. , 2020, , .		1
13	Sensor2Vec: an Embedding Learning for Heterogeneous Sensors for Activity Classification. , 2020, , .		2
14	Heat-Map Based Occupancy Estimation Using Adaptive Boosting. , 2020, , .		11
15	An Incremental Learning Framework to Enhance Teaching by Demonstration Based on Multimodal Sensor Fusion. Frontiers in Neurorobotics, 2020, 14, 55.	1.6	6
16	Human activity of daily living recognition in presence of an animal pet using thermal sensor array. , 2020, , .		7
17	Unsupervised Recurrent Neural Network with Parametric Bias Framework for Human Emotion Recognition with Multimodal Sensor Data Fusion. Sensors and Materials, 2020, 32, 1261.	0.3	5
18	Learning Co-Occurrence of Laughter and Topics in Conversational Interactions. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Control Design for Systems Operating in Complex Environments. Complexity, 2019, 2019, 1-2.	0.9	1
20	Toward Human-in-the-Loop PID Control Based on CACLA Reinforcement Learning. Lecture Notes in Computer Science, 2019, , 605-613.	1.0	1
21	Encoding Multiple Sensor Data for Robotic Learning Skills From Multimodal Demonstration. IEEE Access, 2019, 7, 145604-145613.	2.6	20
22	Bridging the Gap between Robotic Applications and Computational Intelligence in Domestic Robotics. , 2019, , .		4
23	Disentanglement in conceptual space during sensorimotor interaction. Cognitive Computation and Systems, 2019, 1, 103-112.	0.8	2
24	A Compositionality Assembled Model for Learning and Recognizing Emotion from Bodily Expression. , 2019, , .		1
25	An Incremental Learning Framework for Skeletal-based Hand Gesture Recognition with Leap Motion. , 2019, , .		2
26	Sensorimotor input as a language generalisation tool: a neurorobotics model for generation and generalisation of noun-verb combinations with sensorimotor inputs. Autonomous Robots, 2019, 43, 1271-1290.	3.2	15
27	Human robot collaborative intelligence. Interaction Studies, 2019, 20, 1-3.	0.4	8
28	Robot teaching by teleoperation based on visual interaction and extreme learning machine. Neurocomputing, 2018, 275, 2093-2103.	3.5	42
29	AFA-PredNet: The Action Modulation Within Predictive Coding. , 2018, , .		2
30	Emotion-Aroused Human Behaviors Perception Using RNNPB. , 2018, , .		2
31	Encoding Longer-term Contextual Sensorimotor Information in a Predictive Coding Model. , 2018, , .		2
32	Encoding Longer-Term Contextual Information with Predictive Coding and Ego-Motion. Complexity, 2018, 2018, 1-15.	0.9	2
33	Neural Network for Complex Systems: Theory and Applications. Complexity, 2018, 2018, 1-2.	0.9	7
34	Toward navigation ability for autonomous mobile robots with learning from demonstration paradigm. International Journal of Advanced Robotic Systems, 2018, 15, 172988141877793.	1.3	3
35	Toward abstraction from multi-modal data: Empirical studies on multiple time-scale recurrent models. , 2017, , .		7
36	Teleoperation control for bimanual robots based on RBFNN and wave variable. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	Robot teaching by teleoperation based on visual interaction and neural network learning. , 2017, , .		3
38	Understanding natural language sentences with word embedding and multi-modal interaction. , 2017, , .		7
39	Influence of noise on transfer learning in Chinese sentiment classification using GRU. , 2017, , .		1
40	Skill Learning for Intelligent Robot by Perception-Action Integration: A View from Hierarchical Temporal Memory. Complexity, 2017, 2017, 1-16.	0.9	4
41	A Brief Review of Neural Networks Based Learning and Control and Their Applications for Robots. Complexity, 2017, 2017, 1-14.	0.9	43
42	A hierarchical emotion regulated sensorimotor model: Case studies. , 2016, , .		3
43	Toward a self-organizing pre-symbolic neural model representing sensorimotor primitives. Frontiers in Behavioral Neuroscience, 2014, 8, 22.	1.0	19
44	From continuous affective space to continuous expression space: Non-verbal behaviour recognition and generation. , 2014, , .		8
45	A Predictive Network Architecture for a Robust and Smooth Robot Docking Behavior. Paladyn, 2012, 3, .	1.9	5
46	Case study and proofs of ant colony optimisation improved particle filter algorithm. IET Control Theory and Applications, 2012, 6, 689.	1.2	19
47	Learning Features and Predictive Transformation Encoding Based on a Horizontal Product Model. Lecture Notes in Computer Science, 2012, , 539-546.	1.0	2
48	A Detailed Analysis of the Ant Colony Optimization Enhanced Particle Filters. Lecture Notes in Electrical Engineering, 2011, , 641-648.	0.3	0
49	A biologically inspired improvement strategy for particle filter: Ant colony optimization assisted particle filter. International Journal of Control, Automation and Systems, 2010, 8, 519-526.	1.6	18