Peter Sincak

List of Publications by Year
in descending order

78 papers	593 citations	1162889 8 h-index	940416 16 g-index
88 all docs	88 docs citations	88 times ranked	577 citing authors

#	Article	IF	Citations
1	Fuzzy-Based Distributed Protocol for Vehicle-to-Vehicle Communication. IEEE Transactions on Fuzzy Systems, 2021, 29, 612-626.	6.5	36
2	Q-Networks with Dynamically Loaded Biases for Personalization. , 2021, , .		0
3	What makes a smile? A Deep Neural Network Point of View. , 2021, , .		1
4	Explaining Deep Neural Network using Layer-wise Relevance Propagation and Integrated Gradients. , 2021, , .		4
5	Application and Perspectives of Convolutional Neural Networks in Digital Intelligence. Advances in Intelligent Systems and Computing, 2021, , 33-58.	0.5	0
6	Integration of 2D Textural and 3D Geometric Features for Robust Facial Expression Recognition. Computing and Informatics, 2021, 40, 988-1007.	0.4	1
7	Semantic Segmentation of Airborne LiDAR Data in Maya Archaeology. Remote Sensing, 2020, 12, 3685.	1.8	26
8	Explainable classifier for improving the accountability in decision-making for colorectal cancer diagnosis from histopathological images. Journal of Biomedical Informatics, 2020, 109, 103523.	2.5	43
9	A Review of Activation Function for Artificial Neural Network. , 2020, , .		92
10	Application of cloud-based social robotics in cognitive exercises for elderly people. , 2020, , .		1
11	Deep Convolutional Neural Network for Robust Facial Emotion Recognition. , 2019, , .		3
12	Explainable Classifier Supporting Decision-making for Breast Cancer Diagnosis from Histopathological Images. , 2019, , .		5
13	Semantically Explainable Fuzzy Classifier. International Journal of Pattern Recognition and Artificial Intelligence, 2019, 33, 2051006.	0.7	4
14	Psychophysiological Indicators for Modeling User Experience in Interactive Digital Entertainment. Sensors, 2019, 19, 989.	2.1	12
15	Autonomous Robotic Dialogue System with Reinforcement Learning for Elderlies with Dementia. , 2019, , .		10
16	The Concept of Intelligent Space with a Robot. International Symposium on Affective Science and Engineering, 2019, ISASE2019, 1-4.	0.1	0
17	Phone Application for Indoor Localization Based on Ble Signal Fingerprint. , 2018, , .		10
18	Emotion Modelling for Social Robotics Applications: A Review. Journal of Bionic Engineering, 2018, 15, 185-203.	2.7	90

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19	Path Planning on Robot Based on D* Lite Algorithm. , 2018, , .		10
20	Modeling User Experience in Electronic Entertainment Using Psychophysiological Measurements. , 2018, , .		1
21	AI Bricks: A Microservices-Based Software for a Usage in the Cloud Robotics. , 2018, , .		4
22	A Cloud-Based Voting System for Emotion Recognition in Human-Computer Interaction. , 2018, , .		4
23	Applications of remote controlled robotics in the intelligent space. , 2017, , .		9
24	Intelligent space at center for intelligent technologies â€" system proposal. , 2017, , .		2
25	CoWoOZ â€" A cloud-based teleoperation platform for social robotics. , 2017, , .		1
26	Cumulative fuzzy class membership criterion decision-based classifier. , 2017, , .		1
27	A review of MF-ARTMAP toward an improvement classification accuracy using simulated annealing. , 2016, , .		2
28	Cloud-based facial emotion recognition for real-time emotional atmosphere assessment during a lecture. , 2016, , .		3
29	Lecture improvement using students emotion assessment provided as SaS for teachers. , 2016, , .		2
30	Interactive Q-learning for social robots that learn from the Wizard: A pilot study. , 2016, , .		1
31	Use Case Evaluation of a Cloud Robotics Teleoperation System (Short Paper). , 2016, , .		8
32	The major challenges in intelligent robotics (Towards cloud robotics and its impact to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (cro		0
33	Cloud-based Wizard of Oz as a service. , 2015, , .		1
34	Creating dictionary for the field of human-robot interaction. , 2015, , .		0
35	Control library for AR.Drone 2.0. , 2015, , .		1
36	Comparison Study of Robotic Middleware for Robotic Applications. Advances in Intelligent Systems and Computing, 2015, , 121-128.	0.5	9

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37	A Method to Evaluate Intuitive Sense by Using a Robotic Tool: Towards Engineering for Assistive Technology and Accessibility. Lecture Notes in Computer Science, 2015, , 561-569.	1.0	1
38	Theoretical Analysis of Recent Changes and Expectations in Intelligent Robotics. Advances in Intelligent Systems and Computing, 2015, , 13-30.	0.5	0
39	Smartphone Robots. Advances in Intelligent Systems and Computing, 2015, , 137-143.	0.5	0
40	Computers Capable of Distinguishing Emotions in Text. Advances in Intelligent Systems and Computing, 2015, , 57-64.	0.5	2
41	Multi-Behaviour Robot Control using Genetic Network Programming with Fuzzy Reinforcement Learning. Advances in Intelligent Systems and Computing, 2015, , 151-158.	0.5	1
42	Teach Your Robot How You Want It to Express Emotions. Advances in Intelligent Systems and Computing, 2015, , 81-92.	0.5	2
43	Artificial Intelligence in Public Health Prevention of Legionelosis in Drinking Water Systems. International Journal of Environmental Research and Public Health, 2014, 11, 8597-8611.	1.2	14
44	Interference of waves based usage of an optimization algorithm for finding rules in an agent system. , 2014, , .		0
45	Stochastic weight update for recurrent networks. , 2014, , .		0
46	Towards adaptive cloud-based platform for robotic assistants in education. , 2014, , .		5
47	Cloud-Based Object Recognition: A System Proposal. Advances in Intelligent Systems and Computing, 2014, , 707-715.	0.5	5
48	Adaptive Classifier of Candlestick Formations for Prediction of Trends. Advances in Intelligent Systems and Computing, 2013, , 373-383.	0.5	0
49	Cloud robotics: Current trends and possible use as a service. , 2013, , .		31
50	Influence of Sci-Fi films on artificial intelligence and vice-versa. , 2013, , .		12
51	Experience with the Children-Humanoid Interaction in Rehabilitation Therapy for Spinal Disorders. Advances in Intelligent Systems and Computing, 2013, , 347-357.	0.5	8
52	Real-Time Fuzzy Logic-based Hybrid Robot Path-Planning Strategies for a Dynamic Environment. , 2013, , 115-141.		2
53	Personalized Emotional Expressions to Improve Natural Human-Humanoid Interaction. Advances in Intelligent Systems and Computing, 2013, , 691-702.	0.5	1
54	Distributed and Incremental Visual Object Categorization for Humanoid Platform NAO. Advances in Intelligent Systems and Computing, 2013, , 723-731.	0.5	0

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55	Daily Temperature Profile Prediction for the District Heating Application. Advances in Intelligent Systems and Computing, 2013, , 363-371.	0.5	0
56	Towards the robotic teleoperation systems in education. , 2012, , .		0
57	Towards the assisted teleoperation systems. , 2012, , .		3
58	Neural approach for personalised emotional model in human-robot interaction. , 2012, , .		6
59	Design of verbal and non-verbal Human-Robot Interactive System. , 2011, , .		3
60	Design of LCL Filter Using Hybrid Intelligent Optimization for Photovoltaic System. Communications in Computer and Information Science, 2011, , 90-97.	0.4	5
61	Artificial Neural Network for Creep Behaviour Predictions of a Parallel-lay Aramid Rope Under Varying Stresses. Strain, 2011, 47, 121-128.	1.4	1
62	Discovering Art in Robotic Motion: From Imitation to Innovation via Interactive Evolution. Communications in Computer and Information Science, 2011, , 183-190.	0.4	2
63	Stochastic weight update in the backpropagation algorithm on feed-forward neural networks. , 2010, , .		7
64	Application of AI in Cardiology. , 2010, , .		1
65	Clustering of users inputs in multi-user interactive evolutionary font design. , 2009, , .		4
66	AIBO talking procedure in multi languages based on incremental learning approach. , 2009, , .		0
67	Pseudo-distance based artificial neural network training. , 2008, , .		0
68	Hierarchical fuzzy inference system for robotic pursuit evasion task. , 2008, , .		19
69	Reduction of Visual Information in Neural Network Learning Process Visualization. , 2008, , .		0
70	Positional Fuzzy Relations in Robot Control. , 2008, , .		6
71	Ensembling Classifiers Using Unsupervised Learning. Lecture Notes in Computer Science, 2008, , 513-521.	1.0	0
72	Reduction of Visual Information in Neural Network Learning Visualization. Lecture Notes in Computer Science, 2008, , 690-699.	1.0	0

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73	Prediction Systems Based on FIR BP Neural Networks. Lecture Notes in Computer Science, 2001, , 725-730.	1.0	3
74	Enhancement of Classification Accuracy Using Conflation Procedures. Geocarto International, 2000, 15, 13-20.	1.7	16
75	Design of a Fuzzy Adaptive Autopilot. , 2000, , 276-281.		1
76	Fuzzy Cluster Identification Using Neural Networks. , 2000, , 220-230.		4
77	Performance-based adaptive fuzzy control of aircrafts. , 0, , .		19
78	Real-Time Fuzzy Logic-Based Hybrid Robot Path-Planning Strategies for a Dynamic Environment. , 0, , 1545-1571.		0