

Karl Andersson

List of Publications by Year in descending order

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126
papers

2,679
citations

430442

18
h-index

276539

41
g-index

132
all docs

132
docs citations

132
times ranked

1408
citing authors

#	ARTICLE	IF	CITATIONS
1	A BRBES to Support Diagnosis of COVID-19 Using Clinical and CT Scan Data. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 483-496.	0.5	5
2	An Integrated Deep Learning and Belief Rule Base Intelligent System to Predict Survival of COVID-19 Patient under Uncertainty. Cognitive Computation, 2022, 14, 660-676.	3.6	12
3	A Weighted Average Ensemble Technique to Predict Heart Disease. Lecture Notes in Networks and Systems, 2022, , 17-29.	0.5	10
4	Automated Acute Lymphocytic Leukemia (ALL) Detection Using Microscopic Images: An Efficient CAD Approach. Lecture Notes in Networks and Systems, 2022, , 363-376.	0.5	3
5	Machine learning with Belief Rule-Based Expert Systems to predict stock price movements. Expert Systems With Applications, 2022, 206, 117706.	4.4	14
6	An integrated approach of Belief Rule Base and Convolutional Neural Network to monitor air quality in Shanghai. Expert Systems With Applications, 2022, 206, 117905.	4.4	11
7	Human Gender Detection from Facial Images Using Convolution Neural Network. Communications in Computer and Information Science, 2021, , 188-203.	0.4	10
8	Early Detection of Parkinson's Disease from Micrographic Static Hand Drawings. Lecture Notes in Computer Science, 2021, , 433-447.	1.0	7
9	Attention-Based Bi-Directional Long-Short Term Memory Network for Earthquake Prediction. IEEE Access, 2021, 9, 56589-56603.	2.6	42
10	Human Age Estimation Using Deep Learning from Gait Data. Communications in Computer and Information Science, 2021, , 281-294.	0.4	6
11	Glaucoma Detection Using Inception Convolutional Neural Network V3. Communications in Computer and Information Science, 2021, , 17-28.	0.4	10
12	Mosquito Classification Using Convolutional Neural Network with Data Augmentation. Advances in Intelligent Systems and Computing, 2021, , 865-879.	0.5	12
13	A Belief Rule Base Approach to Support Comparison of Digital Speech Signal Features for Parkinson's Disease Diagnosis. Lecture Notes in Computer Science, 2021, , 388-400.	1.0	5
14	Gender Classification from Inertial Sensor-Based Gait Dataset. Advances in Intelligent Systems and Computing, 2021, , 583-596.	0.5	14
15	Recommendation System for E-commerce Using Alternating Least Squares (ALS) on Apache Spark. Advances in Intelligent Systems and Computing, 2021, , 880-893.	0.5	15
16	Feature Selection Based Machine Learning to Improve Prediction of Parkinson Disease. Lecture Notes in Computer Science, 2021, , 496-508.	1.0	20
17	A Belief Rule-Based Expert System to Assess Multiple Human Reaction in the Context of Facebook Posts under Uncertainty. , 2021, , .		1
18	An Integrated Neural Network and SEIR Model to Predict COVID-19. Algorithms, 2021, 14, 94.	1.2	29

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19	An Evolutionary Belief Rule-Based Clinical Decision Support System to Predict COVID-19 Severity under Uncertainty. Applied Sciences (Switzerland), 2021, 11, 5810.	1.3	14
20	An Integrated Deep Learning and Belief Rule-Based Expert System for Visual Sentiment Analysis under Uncertainty. Algorithms, 2021, 14, 213.	1.2	16
21	Comparative Analysis of Recurrent Neural Networks in Stock Price Prediction for Different Frequency Domains. Algorithms, 2021, 14, 251.	1.2	15
22	Application of Online Transportation Mode Recognition in Games. Applied Sciences (Switzerland), 2021, 11, 8901.	1.3	0
23	A CNN Based Model for Venomous and Non-venomous Snake Classification. Communications in Computer and Information Science, 2021, , 216-231.	0.4	8
24	D3mciAD: Data-Driven Diagnosis of Mild Cognitive Impairment Utilizing Syntactic Images Generation and Neural Nets. Lecture Notes in Computer Science, 2021, , 366-377.	1.0	2
25	Deep Learning Approach to Classify Parkinson's Disease from MRI Samples. Lecture Notes in Computer Science, 2021, , 536-547.	1.0	14
26	An Interactive Computer System with Gesture-Based Mouse and Keyboard. Advances in Intelligent Systems and Computing, 2021, , 894-906.	0.5	1
27	A Novel Deep Learning Approach to Predict Air Quality Index. Advances in Intelligent Systems and Computing, 2021, , 367-381.	0.5	20
28	Energy efficient multi-connectivity algorithms for ultra-dense 5G networks. Wireless Networks, 2020, 26, 2207-2222.	2.0	29
29	A Deep Learning Inspired Belief Rule-Based Expert System. IEEE Access, 2020, 8, 190637-190651.	2.6	42
30	A Review on Recent Advancements in FOREX Currency Prediction. Algorithms, 2020, 13, 186.	1.2	19
31	Security, Privacy and Trust for Smart Mobile- Internet of Things (M-IoT): A Survey. IEEE Access, 2020, 8, 167123-167163.	2.6	70
32	Editorial: IEEE Transactions on Sustainable Computing, Special Issue on Cryptography and Data Security in Sustainable Computing (Part 1). IEEE Transactions on Sustainable Computing, 2020, 5, 160-160.	2.2	0
33	An Integrated Approach of Belief Rule Base and Deep Learning to Predict Air Pollution. Sensors, 2020, 20, 1956.	2.1	52
34	A Machine Learning Based Fall Detection for Elderly People with Neurodegenerative Disorders. Lecture Notes in Computer Science, 2020, , 194-203.	1.0	19
35	Speech Emotion Recognition in Neurological Disorders Using Convolutional Neural Network. Lecture Notes in Computer Science, 2020, , 287-296.	1.0	39
36	Performance Evaluation of Permissioned Blockchain Platforms. , 2020, , .		27

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37	A Learning Mechanism for BRBES Using Enhanced Belief Rule-Based Adaptive Differential Evolution. , 2020, , .		5
38	Inference and Multi-level Learning in a Belief Rule-Based Expert System to Predict Flooding. , 2020, , .		2
39	An Integrated Real-Time Deep Learning and Belief Rule Base Intelligent System to Assess Facial Expression Under Uncertainty. , 2020, , .		30
40	Detection and Classification of Skin Cancer by Using a Parallel CNN Model. , 2020, , .		29
41	Blockchain Mobility Solution for Charging Transactions of Electrical Vehicles. , 2020, , .		3
42	A Deep Transfer Learning Approach to Diagnose Covid-19 using X-ray Images. , 2020, , .		8
43	Hand-Drawn Emoji Recognition using Convolutional Neural Network. , 2020, , .		6
44	Editorial: IEEE Transactions on Sustainable Computing, Special Issue on Cryptography and Data Security in Sustainable Computing (Part 2). IEEE Transactions on Sustainable Computing, 2020, 5, 235-235.	2.2	0
45	User Performance in a 5G Multi-connectivity Ultra-Dense Network City Scenario. , 2020, , .		4
46	Creating a Traceable Product Story in Manufacturing Supply Chains Using IPFS. , 2020, , .		3
47	Secure Computation on 4G/5G Enabled Internet-of-Things. Wireless Communications and Mobile Computing, 2019, 2019, 1-1.	0.8	2
48	A Belief Rule Based Expert System for Evaluating Technological Innovation Capability of High-Tech Firms Under Uncertainty. , 2019, , .		19
49	Static Hand Gesture Recognition using Convolutional Neural Network with Data Augmentation. , 2019, , .		67
50	A Survey of Blockchain From the Perspectives of Applications, Challenges, and Opportunities. IEEE Access, 2019, 7, 117134-117151.	2.6	571
51	Capacity Management of Hyperscale Data Centers Using Predictive Modelling. Energies, 2019, 12, 3438.	1.6	21
52	IoT Based Real-time River Water Quality Monitoring System. Procedia Computer Science, 2019, 155, 161-168.	1.2	129
53	IoT based Smart System to Support Agricultural Parameters: A Case Study. Procedia Computer Science, 2019, 155, 648-653.	1.2	60
54	A New Crossover Technique to Improve Genetic Algorithm and Its Application to TSP. , 2019, , .		9

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55	A Digital Personal Assistant using Bangla Voice Command Recognition and Face Detection. , 2019, , .		12
56	An Integrated CNN-RNN Framework to Assess Road Crack. , 2019, , .		35
57	Analyzing Sentiment of Movie Reviews in Bangla by Applying Machine Learning Techniques. , 2019, , .		25
58	A Belief Rule Base Expert System for staging Non-Small Cell Lung Cancer under Uncertainty. , 2019, , .		7
59	Bangla Handwritten Character Recognition using Convolutional Neural Network with Data Augmentation. , 2019, , .		59
60	Facial Expression Recognition using Convolutional Neural Network with Data Augmentation. , 2019, , .		54
61	A Comparative Analysis of the Ensemble Method for Liver Disease Prediction. , 2019, , .		27
62	A novel anomaly detection algorithm for sensor data under uncertainty. Soft Computing, 2018, 22, 1623-1639.	2.1	57
63	A belief rule-based expert system to assess suspicion of acute coronary syndrome (ACS) under uncertainty. Soft Computing, 2018, 22, 7571-7586.	2.1	52
64	An IoT-Belief Rule Base Smart System to Assess Autism. , 2018, , .		23
65	Performance Analysis of Anomaly Based Network Intrusion Detection Systems. , 2018, , .		6
66	A Belief Rule Based Flood Risk Assessment Expert System using Real Time Sensor Data Streaming. , 2018, , .		12
67	Real-time Performance Evaluation of LTE for IIoT. , 2018, , .		21
68	Security and Privacy for Smart, Connected, and Mobile IoT Devices and Platforms. Security and Communication Networks, 2018, 2018, 1-2.	1.0	4
69	Challenges and Opportunities of Using Big Data for Assessing Flood Risks. , 2018, , 31-42.		4
70	A Belief Rule Based Expert System to Assess Tuberculosis under Uncertainty. Journal of Medical Systems, 2017, 41, 43.	2.2	67
71	A Belief Rule Based Expert System for Datacenter PUE Prediction under Uncertainty. IEEE Transactions on Sustainable Computing, 2017, 2, 140-153.	2.2	72
72	Stronger authentication for password credential Internet Services. , 2017, , .		0

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73	An interoperable IP based WSN for smart irrigation system. , 2017, , .		16
74	Optimal dynamic routing protocols for agro-sensor communication in MANETs. , 2017, , .		9
75	Heterogeneous wireless sensor networks using CoAP and SMS to predict natural disasters. , 2017, , .		11
76	A belief rule based expert system to diagnose dengue fever under uncertainty. , 2017, , .		31
77	Selection of Energy Efficient Routing Protocol for Irrigation Enabled by Wireless Sensor Network. , 2017, , .		13
78	Critical infrastructure network DDoS defense, via cognitive learning. , 2017, , .		0
79	Performance analysis of a surveillance system to detect and track vehicles using Haar cascaded classifiers and optical flow method. , 2017, , .		14
80	A web based belief rule based expert system for assessing flood risk. , 2017, , .		4
81	Sustainable Mobile Computing and Communications. Mobile Information Systems, 2017, 2017, 1-2.	0.4	1
82	DNS DDoS Mitigation, via DNS Timer Design Changes. Communications in Computer and Information Science, 2017, , 43-55.	0.4	1
83	A belief rule based expert system to assess clinical bronchopneumonia suspicion. , 2016, , .		33
84	Performance analysis of an IP based protocol stack for WSNs. , 2016, , .		33
85	Network DDoS Layer 3/4/7 Mitigation via Dynamic Web Redirection. Communications in Computer and Information Science, 2016, , 111-125.	0.4	2
86	An international Master's program in green ICT as a contribution to sustainable development. Journal of Cleaner Production, 2016, 135, 223-239.	4.6	93
87	PERCCOM: A Master Program in Pervasive Computing and COMMunications for Sustainable Development. , 2016, , .		10
88	Mobile E-Services. , 2016, , 690-716.		0
89	A web based belief rule based expert system to predict flood. , 2015, , .		29
90	A novel framework of an expert system by integrating capability approach and BRB to evaluate e-Government Services. , 2015, , .		0

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91	Mobile e-Services. International Journal of E-Services and Mobile Applications, 2015, 7, 1-24.	0.6	5
92	On-Move 2015. , 2015, , .		0
93	Visualization and cell data analysis tool based on XML log files. , 2015, , .		0
94	Heterogeneous wireless sensor networks for flood prediction decision support systems. , 2015, , .		22
95	Smart risk assessment systems using belief-rule-based DSS and WSN technologies. , 2014, , .		21
96	Indoor Taxi-Cab: Real-Time Indoor Positioning and Location-Based Services with Ekahau and Android OS. , 2014, , .		9
97	Message from the demonstrations chair. , 2014, , .		0
98	Message from the Demonstrations chair. , 2014, , .		0
99	A Congestion Avoidance Mechanism for WebRTC Interactive Video Sessions in LTE Networks. Wireless Personal Communications, 2014, 77, 2417-2443.	1.8	7
100	A cross-platform application framework for HTML5-based e-services. , 2014, , .		6
101	Disaster-resilient mobile network architecture. , 2014, , .		4
102	Special Issue on Mobility and Intelligence Management Technologies for Wireless and Mobile Networks. Wireless Personal Communications, 2014, 76, 657-660.	1.8	0
103	Improving Wi-Fi based indoor positioning using Particle Filter based on signal strength. , 2014, , .		14
104	Mobile computing application for industrial field service engineering: A case for ABB service engineers. , 2013, , .		5
105	Supporting user mobility with peer-to-peer-based application mobility in heterogeneous networks. , 2013, , .		3
106	On-Move 2013. , 2013, , .		0
107	A Case Study of Application Development for Mobile and Location-Based Services. , 2013, , .		5
108	Welcome message from the ON-MOVE chairs. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
109	Mobile e-services using HTML5. , 2012, , .		14
110	Reputation Based Security Model for Android Applications. , 2012, , .		12
111	Nomadic mobility between smart homes. , 2012, , .		3
112	Challenges and opportunities in content distribution networks: A case study. , 2012, , .		7
113	WallDroid: Cloud Assisted Virtualized Application Specific Firewalls for the Android OS. , 2012, , .		10
114	Web-based adaptive application mobility. , 2012, , .		8
115	Optimized Access Network Selection in a Combined WLAN/LTE Environment. Wireless Personal Communications, 2011, 61, 739-751.	1.8	16
116	Mobile VoIP user experience in LTE. , 2011, , .		5
117	Bandwidth Efficient Mobility Management for Heterogeneous Wireless Networks. , 2010, , .		9
118	Multimedia QoE optimized management using prediction and statistical learning. , 2010, , .		16
119	Enhanced Mobility Support for Roaming Users: Extending the IEEE 802.21 Information Service. Lecture Notes in Computer Science, 2010, , 52-63.	1.0	3
120	A uniform AAA handling scheme for heterogeneous networking environments. , 2009, , .		2
121	A service level model and Internet mobility monitor. Telecommunication Systems, 2008, 37, 49-70.	1.6	4
122	Analysis and measurement of session setup delay and jitter in VoWLAN using composite metrics. , 2008, , .		5
123	Mobility management for highly mobile users and vehicular networks in heterogeneous environments. , 2008, , .		8
124	A new MIP-SIP interworking scheme. , 2008, , .		2
125	<i>M</i> ⁴ : multimedia mobility manager. , 2007, , .		16
126	Port-based Multihomed Mobile IPv6 for Heterogeneous Networks. Local Computer Networks (LCN), Proceedings of the IEEE Conference on, 2006, , .	0.0	6