

M Shamim Kaiser

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,580
citations

159358

30
h-index

205818

48
g-index

71
all docs

71
docs citations

71
times ranked

1378
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning in Mining Biological Data. Cognitive Computation, 2021, 13, 1-33.	3.6	231
2	Application of deep learning in detecting neurological disorders from magnetic resonance images: a survey on the detection of Alzheimer's disease, Parkinson's disease and schizophrenia. Brain Informatics, 2020, 7, 11.	1.8	180
3	Toward a Heterogeneous Mist, Fog, and Cloud-Based Framework for the Internet of Healthcare Things. IEEE Internet of Things Journal, 2019, 6, 4049-4062.	5.5	150
4	A Brain-Inspired Trust Management Model to Assure Security in a Cloud Based IoT Framework for Neuroscience Applications. Cognitive Computation, 2018, 10, 864-873.	3.6	139
5	Social Group Optimization-Assisted Kapur's Entropy and Morphological Segmentation for Automated Detection of COVID-19 Infection from Computed Tomography Images. Cognitive Computation, 2020, 12, 1011-1023.	3.6	90
6	Energy-efficiency and reliability in MAC and routing protocols for underwater wireless sensor network: A survey. Journal of Network and Computer Applications, 2016, 71, 72-85.	5.8	81
7	Performance Analysis of Machine Learning Approaches in Stroke Prediction. , 2020, , .		76
8	Detecting Neurodegenerative Disease from MRI: A Brief Review on a Deep Learning Perspective. Lecture Notes in Computer Science, 2019, , 115-125.	1.0	73
9	An Energy Conserving Routing Scheme for Wireless Body Sensor Nanonetwork Communication. IEEE Access, 2018, 6, 9186-9200.	2.6	71
10	Worksafe: Towards Healthy Workplaces During COVID-19 With an Intelligent Phealth App for Industrial Settings. IEEE Access, 2021, 9, 13814-13828.	2.6	68
11	Towards an Accelerometer-Based Elderly Fall Detection System Using Cross-Disciplinary Time Series Features. IEEE Access, 2021, 9, 39413-39431.	2.6	68
12	A Neuro-Fuzzy Control System Based on Feature Extraction of Surface Electromyogram Signal for Solar-Powered Wheelchair. Cognitive Computation, 2016, 8, 946-954.	3.6	63
13	A Monitoring System for Patients of Autism Spectrum Disorder Using Artificial Intelligence. Lecture Notes in Computer Science, 2020, , 251-262.	1.0	57
14	Application of Convolutional Neural Network in Segmenting Brain Regions from MRI Data. Lecture Notes in Computer Science, 2019, , 136-146.	1.0	55
15	Application of Artificial Intelligence in Predicting Earthquakes: State-of-the-Art and Future Challenges. IEEE Access, 2020, 8, 192880-192923.	2.6	54
16	fASSERT: A Fuzzy Assistive System for Children with Autism Using Internet of Things. Lecture Notes in Computer Science, 2018, , 403-412.	1.0	54
17	3D DenseNet Ensemble in 4-Way Classification of Alzheimer's Disease. Lecture Notes in Computer Science, 2020, , 85-96.	1.0	54
18	Artificial intelligence and internet of things in screening and management of autism spectrum disorder. Sustainable Cities and Society, 2021, 74, 103189.	5.1	51

#	ARTICLE	IF	CITATIONS
19	Security Threats and Artificial Intelligence Based Countermeasures for Internet of Things Networks: A Comprehensive Survey. IEEE Access, 2021, 9, 94668-94690.	2.6	50
20	One-shot Cluster-Based Approach for the Detection of COVID-19 from Chest X-ray Images. Cognitive Computation, 2021, 13, 873-881.	3.6	50
21	Healthcare Robots to Combat COVID-19. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 83-97.	0.5	50
22	An XAI Based Autism Detection: The Context Behind the Detection. Lecture Notes in Computer Science, 2021, , 448-459.	1.0	48
23	COVID-19 Infection Detection from Chest X-Ray Images Using Hybrid Social Group Optimization and Support Vector Classifier. Cognitive Computation, 2021, , 1-13.	3.6	47
24	ACCU3RATE: A mobile health application rating scale based on user reviews. PLoS ONE, 2021, 16, e0258050.	1.1	46
25	Towards Artificial Intelligence Driven Emotion Aware Fall Monitoring Framework Suitable for Elderly People with Neurological Disorder. Lecture Notes in Computer Science, 2020, , 275-286.	1.0	44
26	Attention-Based Bi-Directional Long-Short Term Memory Network for Earthquake Prediction. IEEE Access, 2021, 9, 56589-56603.	2.6	42
27	6G Access Network for Intelligent Internet of Healthcare Things: Opportunity, Challenges, and Research Directions. Advances in Intelligent Systems and Computing, 2021, , 317-328.	0.5	42
28	Machine Learning Based Early Fall Detection for Elderly People with Neurological Disorder Using Multimodal Data Fusion. Lecture Notes in Computer Science, 2020, , 204-214.	1.0	41
29	Performance Comparison of Machine Learning Techniques in Identifying Dementia from Open Access Clinical Datasets. Advances in Intelligent Systems and Computing, 2021, , 79-89.	0.5	41
30	Artificial and Internet of Healthcare Things Based Alzheimer Care During COVID 19. Lecture Notes in Computer Science, 2020, , 263-274.	1.0	37
31	Inverted bell-curve-based ensemble of deep learning models for detection of COVID-19 from chest X-rays. Neural Computing and Applications, 2023, 35, 16113-16127.	3.2	35
32	Secured Smart Healthcare System: Blockchain and Bayesian Inference Based Approach. Advances in Intelligent Systems and Computing, 2021, , 455-465.	0.5	32
33	Machine Learning in Fighting Pandemics: A COVID-19 Case Study. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 77-81.	0.5	31
34	Towards Explainable and Privacy-Preserving Artificial Intelligence for Personalisation in Autism Spectrum Disorder. Lecture Notes in Computer Science, 2022, , 356-370.	1.0	30
35	Artificial Intelligence and Machine Learning for Ensuring Security in Smart Cities. Advanced Sciences and Technologies for Security Applications, 2021, , 23-47.	0.4	29
36	A multidimensional trust evaluation model for MANETs. Journal of Network and Computer Applications, 2018, 123, 32-41.	5.8	27

#	ARTICLE	IF	CITATIONS
37	Indoor Navigation Support System for Patients with Neurodegenerative Diseases. Lecture Notes in Computer Science, 2021, , 411-422.	1.0	27
38	Towards Improved Detection of Cognitive Performance Using Bidirectional Multilayer Long-Short Term Memory Neural Network. Lecture Notes in Computer Science, 2020, , 297-306.	1.0	27
39	Cross-Content Recommendation between Movie and Book using Machine Learning. , 2021, , .		23
40	Towards Secured Service Provisioning for the Internet of Healthcare Things. , 2020, , .		20
41	Assay Type Detection Using Advanced Machine Learning Algorithms. , 2019, , .		18
42	ANFIS based Trust Management Model to Enhance Location Privacy in Underwater Wireless Sensor Networks. , 2019, , .		14
43	An Attention-Based Mood Controlling Framework for Social Media Users. Lecture Notes in Computer Science, 2021, , 245-256.	1.0	13
44	An Artificial Intelligence Based Approach Towards Inclusive Healthcare Provisioning in Society 5.0: A Perspective on Brain Disorder. Lecture Notes in Computer Science, 2021, , 157-169.	1.0	11
45	SANTIA: a Matlab-based open-source toolbox for artifact detection and removal from extracellular neuronal signals. Brain Informatics, 2021, 8, 14.	1.8	10
46	COVID-19 Detection Using Chest X-Ray Images with a RegNet Structured Deep Learning Model. Communications in Computer and Information Science, 2021, , 358-370.	0.4	10
47	A Blockchain-Based Scheme for Sybil Attack Detection in Underwater Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2021, , 467-476.	0.5	9
48	Smart City Technologies for Next Generation Healthcare. Advanced Sciences and Technologies for Security Applications, 2021, , 253-274.	0.4	7
49	Learning Through One Shot: A Phase by Phase Approach for COVID-19 Chest X-ray Classification. , 2021, , .		7
50	Trust IoHT: A Trust Management Model for Internet of Healthcare Things. Lecture Notes in Networks and Systems, 2021, , 47-57.	0.5	6
51	Performance Analysis of MC-CDMA based Underwater Wireless Sensor Network. , 2018, , .		4
52	Social Group Optimized Machine-Learning Based Elderly Fall detection Approach Using Interdisciplinary Time-Series Features. , 2021, , .		4
53	ALO: AI for Least Observed People. Communications in Computer and Information Science, 2021, , 306-317.	0.4	3
54	Kidney Care: Artificial Intelligence-Based Mobile Application for Diagnosing Kidney Disease. Lecture Notes in Networks and Systems, 2021, , 99-110.	0.5	3

#	ARTICLE	IF	CITATIONS
55	Identifying Individuals Using EEG-Based Brain Connectivity Patterns. Lecture Notes in Computer Science, 2021, , 124-135.	1.0	2
56	Towards Social Group Optimization and Machine Learning Based Diabetes Prediction. , 2021, , .		2
57	Key Techniques and Challenges for Processing of Heart Sound Signals. Communications in Computer and Information Science, 2021, , 136-149.	0.4	2
58	Bangla Depressive Social Media Text Detection Using Hybrid Deep Learning Approach. Lecture Notes in Networks and Systems, 2022, , 111-120.	0.5	2
59	Deep Neural Networks for Brain Tumor Detection from MRI Images. Lecture Notes in Networks and Systems, 2022, , 473-485.	0.5	2
60	Facial Detection for Neonatal Infant Pain Using Facial Geometry Features and LBP. Lecture Notes in Networks and Systems, 2022, , 509-518.	0.5	2
61	Developing a Framework for Credit Card Fraud Detection. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 637-651.	0.5	1
62	Low-Cost Stand-Alone Smart Irrigation System: A Case Study. Lecture Notes in Networks and Systems, 2022, , 349-356.	0.5	1
63	Low-cost Internet of Things Platform for Epilepsy Monitoring Using Real-time Electroencephalogram. International Journal of Ambient Computing and Intelligence, 2022, 13, 0-0.	0.8	1
64	Enhanced Signal Processing Using Modified Cyclic Shift Tree Denoising. Communications in Computer and Information Science, 2021, , 150-160.	0.4	0
65	iHOREApp: A Mobile App for Hybrid Renewable Energy Model using Particle Swarm Optimization. Advances in Intelligent Systems and Computing, 2021, , 535-544.	0.5	0
66	Performance Comparisons in Association Rule Mining Over Public Datasets. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 761-775.	0.5	0
67	InterPlanetary File System-Based Decentralized and Secured Electronic Health Record System Using Lightweight Algorithm. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 691-702.	0.5	0
68	A Behavioral Trust Model for Internet of Healthcare Things Using an Improved FP-Growth Algorithm and Naïve Bayes Classifier. , 2021, , .		0
69	IoT-SG: Integrating internet of energy things with smart grid. , 2022, , 49-61.		0