P Venkata Krishna

List of Publications by Year
in descending order

162 papers	2,286 citations	361045 20 h-index	301761 39 g-index
171 all docs	171 docs citations	171 times ranked	1437 citing authors

#	Article	IF	Citations
1	Prediction of heart abnormalities using deep learning model and wearabledevices in smart health homes. Multimedia Tools and Applications, 2022, 81, 543-557.	2.6	5
2	Feedback-based fuzzy resource management in IoT using fog computing. Evolutionary Intelligence, 2021, 14, 669-681.	2.3	9
3	Hybrid encryption framework for securing big data storage in multi-cloud environment. Evolutionary Intelligence, 2021, 14, 691-698.	2.3	33
4	An efficient approach for sentiment analysis using machine learning algorithm. Evolutionary Intelligence, 2021, 14, 725-731.	2.3	29
5	An efficient priority based resource management framework for IoT enabled applications in the cloud. Evolutionary Intelligence, 2021, 14, 863-869.	2.3	1
6	The effective SVM-based binary prediction of ground water table. Evolutionary Intelligence, 2021, 14, 779-787.	2.3	11
7	Learning automata and reservation based secure smart parking system: Methodology and simulation analysis. Simulation Modelling Practice and Theory, 2021, 106, 102205.	2.2	11
8	A work load prediction strategy for power optimization on cloud based data centre using deep machine learning. Evolutionary Intelligence, 2021, 14, 519-527.	2.3	6
9	A Survey of Energy Modeling and Efficiency Techniques of Sensors for IoT Systems. International Journal of Sensors, Wireless Communications and Control, 2021, 11, 271-283.	0.5	3
10	Development of Efficient E-Health Records Using IoT and Blockchain Technology. , 2021, , .		3
11	Data analytics in wireless systems and IoT issues and challenges. International Journal of Communication Systems, 2020, 33, e4522.	1.6	4
12	E2CAâ€SM: an energyâ€efficient channel allocation with sleep mode for base station in fifthâ€generationâ€based cellular network systems. IET Networks, 2020, 9, 74-82.	1.1	0
13	Learning automataâ€"based multilevel medium access control in cyber physical systemâ€"based smart wireless networks. International Journal of Communication Systems, 2020, 33, e4376.	1.6	0
14	Comparing Biometric and Blockchain Security Mechanisms in Smart Parking System. , 2020, , .		10
15	Analyzing Significant Reduction in Traffic by Using Restricted Smart Parking. Advances in Intelligent Systems and Computing, 2020, , 27-40.	0.5	3
16	IoT-Cloud-Based Health Care System Framework to Detect Breast Abnormality. Advances in Intelligent Systems and Computing, 2020, , 615-625.	0.5	8
17	Bio-inspired Fuzzy Model for Energy Efficient Cloud Computing Through Firefly Search Behaviour Methods. , 2020, , 1043-1049.		1
18	Analysing Human Activity Patterns by Chest-Mounted Wearable Devices. Advances in Intelligent Systems and Computing, 2020, , 389-401.	0.5	1

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19	Analysis of Authentication System Based on Keystroke Dynamics. , 2019, , .		8
20	Improving the Response Time of M-Learning and Cloud Computing Environments Using a Dominant Firefly Approach. IEEE Access, 2019, 7, 30203-30212.	2.6	23
21	Advances in Key Stroke Dynamics-Based Security Schemes. , 2019, , 165-187.		6
22	Role of Imaging Modality in Premature Detection of Bosom Irregularity. SpringerBriefs in Applied Sciences and Technology, 2019, , 81-92.	0.2	10
23	Multimodal Biometric Invariant Fusion Techniques. , 2019, , 321-336.		0
24	A Framework for Sentiment Analysis Based Recommender System for Agriculture Using Deep Learning Approach. SpringerBriefs in Applied Sciences and Technology, 2019, , 59-66.	0.2	9
25	Classifying Content Quality and Interaction Quality on Online Social Networks. SpringerBriefs in Applied Sciences and Technology, 2019, , 1-7.	0.2	0
26	Investigating Recommender Systems in OSNs. SpringerBriefs in Applied Sciences and Technology, 2019, , 29-44.	0.2	1
27	An Optimal Bio Inspired Genetic Algorithm for Load Balancing for Cloud Data Centre. Helix, 2019, 9, 4722-4731.	0.1	0
28	An efficient distributed protein disorder prediction with pasted samples. Computers and Electrical Engineering, 2018, 65, 342-356.	3.0	2
29	Deep Learning Based Efficient Channel Allocation Algorithm for Next Generation Cellular Networks. Programming and Computer Software, 2018, 44, 428-434.	0.5	1
30	Advance intelligence tyre monitoring system using ambient backscatter technology in VANETs. International Journal of Advanced Intelligence Paradigms, 2018, 10, 133.	0.2	0
31	Fostering innovation performance from a sustainable development perspective: towards a research agenda. International Journal of Innovation and Sustainable Development, 2018, 12, 469.	0.3	2
32	Region-based colour image spatial fusion steganographic system. International Journal of Multimedia Intelligence and Security, 2018, 3, 129.	0.1	0
33	Ant_VRP: ant-colony-based meta-heuristic algorithm to solve the vehicle routing problem. International Journal of Advanced Intelligence Paradigms, 2018, 11, 315.	0.2	2
34	Wireless Sensor Enabled Breast Self-Examination Assistance to Detect Abnormality. , 2018, , .		5
35	Efficient Multipath Routing Protocol with Quality of Service for Mobile Ad Hoc Networks. , 2018, , .		6
36	Power modelling of sensors for IoT using reinforcement learning. International Journal of Advanced Intelligence Paradigms, 2018, 10, 3.	0.2	13

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37	Context-Aware Middleware Architectural Framework for Intelligent Smart Grid Data Management. , 2018, , .		1
38	Power modelling of sensors for IoT using reinforcement learning. International Journal of Advanced Intelligence Paradigms, 2018, 10, 3.	0.2	4
39	Learning Automata-Based Fault-Tolerant System for Dynamic Autonomous Unmanned Vehicular Networks. IEEE Systems Journal, 2017, 11, 2929-2938.	2.9	18
40	A novel method for multipath routing using cross layer approach in vehicular adhoc networks. International Journal of Communication Systems, 2017, 30, e3254.	1.6	4
41	Designing and Prototyping Utility Management Using Hybrid Wireless-Wired Network Technologies. , 2017, , .		1
42	An ensemble design approach based on bagging technique for filtering e-mail spam. International Journal of Autonomous and Adaptive Communications Systems, 2017, 10, 247.	0.2	1
43	Application of Deep Learning to Sentiment Analysis for recommender system on cloud. , 2017, , .		53
44	Intelligent vertical handoff decision strategy based on network performance prediction and consumer surplus value for next generation wireless networks. IET Networks, 2017, 6, 69-74.	1.1	4
45	An efficient learning automata based task offloading in mobile cloud computing environments. , 2017, , .		12
46	Learning automata based optimized multipath routingusing leapfrog algorithm for VANETs. , 2017, , .		15
47	A novel algorithm to optimize cost of coherent long-haul DWDM network. , 2017, , .		1
48	CHSEO: An Energy Optimization Approach for Communication in the Internet of Things. , 2017, , .		6
49	Cross region load balancing of tasks using region-based rerouting of loads in cloud computing environment. International Journal of Advanced Intelligence Paradigms, 2017, 9, 589.	0.2	9
50	Improving the performance by message broadcasting in VANETS. International Journal of High Performance Computing and Networking, 2017, 10, 194.	0.4	0
51	A study on economic load dispatch in power system in the environment perspective by PSO. , 2017, , .		2
52	An enhanced virtual backoff algorithm for wireless sensor networks. International Journal of Wireless and Mobile Computing, 2017, 13, 179.	0.1	1
53	Robust DCN design for optical transport network resilience. , 2017, , .		2
54	Simplified and efficient framework for managing roles in cloud-based transaction processing systems using attribute-based encryption. International Journal of Computational Science and Engineering, 2017, 14, 135.	0.4	6

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55	User preferences and expert opinions based vertical handoff decision strategy with the inclusion of cost parameter for 4G networks. International Journal of Autonomous and Adaptive Communications Systems, 2017, 10, 261.	0.2	1
56	Cross region load balancing of tasks using region-based rerouting of loads in cloud computing environment. International Journal of Advanced Intelligence Paradigms, 2017, 9, 589.	0.2	2
57	Enhancing Quality of Service in Cloud Gaming System. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 228-260.	0.1	1
58	A Survey on Strategies, Trends, Economics, and Prospects of Cloud-Based Gaming. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 1-24.	0.1	0
59	Simplified and efficient framework for managing roles in cloud-based transaction processing systems using attribute-based encryption. International Journal of Computational Science and Engineering, 2017, 14, 135.	0.4	0
60	Ant Colony and Tolerable Delay Based Modified Virtual Backoff Algorithm for Wireless Sensor Networks. International Journal of Intelligent Engineering and Systems, 2017, 10, 78-87.	0.8	1
61	A virtual backoff algorithm-based MAC protocol for underwater acoustic sensor networks. International Journal of Internet Protocol Technology, 2016, 9, 129.	0.2	1
62	Two-level medium access control in cyber physical system-based smart wireless networks. International Journal of Critical Computer-Based Systems, 2016, 6, 191.	0.1	2
63	Energy aware medium access control for CPS-based wireless networks. International Journal of Communication Networks and Distributed Systems, 2016, 16, 352.	0.3	3
64	Efficient channel assignment method for multimedia traffic in wireless mesh networks. International Journal of Communication Systems, 2016, 29, 929-941.	1.6	2
65	Learning Automata-Based Channel Reservation Scheme to Enhance QoS in Vehicular Adhoc Networks. , 2016, , .		4
66	Grounded resistor/capacitor controlled multi-phase sinusoidal oscillator using DDCCCs. , 2016, , .		0
67	Priority focused medium access control in wireless sensor actuator networks for CPS. International Journal of Communication Networks and Distributed Systems, 2016, 16, 99.	0.3	3
68	Big Cloud: a hybrid cloud model for secure data storage through cloud space. International Journal of Advanced Intelligence Paradigms, 2016, 8, 229.	0.2	9
69	Spam detection using hybrid model of rough set and decorate ensemble. International Journal of Computational Systems Engineering, 2016, 2, 139.	0.2	15
70	Learning automata based decision making algorithm for task offloading in mobile cloud. , 2016, , .		13
71	Energy aware cross layer-based connection admission control mechanism for wireless mesh networks. International Journal of Smart Grid and Green Communications, 2016, 1, 73.	0.2	0
72	An approach for routing in delay tolerant mobile ad-hoc networks using quadrant-based look-ahead method. International Journal of Wireless and Mobile Computing, 2016, 10, 301.	0.1	2

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73	Reservation and contention reduced channel access method with effective quality of service for wireless mesh networks. , 2016, , .		1
74	Web Analytics. Advances in Web Technologies and Engineering Book Series, 2016, , 253-275.	0.4	0
75	Learning Automata-Based Cross Layer Framework with Context Awareness for Wireless Systems. , 2015, , .		0
76	Collective advancements on access control scheme for multi-authority cloud storage system. International Journal of Grid and Utility Computing, 2015, 6, 133.	0.1	12
77	OLB: A Nature Inspired Approach for Load Balancing in Cloud Computing. Cybernetics and Information Technologies, 2015, 15, 138-148.	0.4	16
78	New Elastic Node Addressing Schemes for Next-Generation Networks. , 2015, , .		0
79	Power aware framework for scheduling tasks in grid-based workflows. International Journal of Communication Networks and Distributed Systems, 2015, 14, 74.	0.3	5
80	Grid connected solar PV fed cascaded multilevel inverter implementation using XSG platform. , 2015, , .		4
81	Bio-inspired algorithms for cloud computing: a review. International Journal of Innovative Computing and Applications, 2015, 6, 181.	0.2	16
82	A multi-level text classifier for feedback analysis using tweets to enhance product performance. International Journal of Electronic Marketing and Retailing, 2015, 6, 315.	0.1	2
83	Demand on Temporary Parallel Route Recovery for Frequent Link Failure in VANET. Journal of the Institution of Engineers (India): Series B, 2015, 96, 55-59.	1.3	1
84	Enhanced Security Framework for Data Integrity Using Third-party Auditing in the Cloud System. Advances in Intelligent Systems and Computing, 2015, , 25-31.	0.5	8
85	Enhanced Role-Based Access Control for Cloud Security. Advances in Intelligent Systems and Computing, 2015, , 837-852.	0.5	8
86	Efficient Medium Access Control for Cyberâ€"Physical Systems With Heterogeneous Networks. IEEE Systems Journal, 2015, 9, 22-30.	2.9	23
87	Identification of abnormility from digital mammogram to detect breast cancer. , 2015, , .		2
88	Learning automaton based context oriented middleware architecture for precision agriculture. , 2015, , .		2
89	An Efficient Framework for Health System Based on Hybrid Cloud with ABE-Outsourced Decryption. Advances in Intelligent Systems and Computing, 2015, , 41-49.	0.5	7
90	Antâ€inspired levelâ€based congestion control for wireless mesh networks. International Journal of Communication Systems, 2015, 28, 1493-1507.	1.6	2

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91	Forecasting the Trends in Cloud Computing and its Impact on Future IT Business. , 2015, , 2354-2372.		0
92	Layered storage architecture for health system using cloud. , 2014, , .		4
93	Cloud cluster communication for critical applications accessing C-MPICH. , 2014, , .		10
94	Analyzing Intrusion Detection System: An ensemble based stacking approach. , 2014, , .		10
95	An execution environment oriented approach for scheduling dependent tasks of cloud computing workflows. International Journal of Cloud Computing, 2014, 3, 209.	0.3	9
96	Enhanced framework for verifying user authorization and data correctness using token management system in the cloud. , 2014, , .		4
97	A decision-based pre-emptive fair scheduling strategy to process cloud computing work-flows for sustainable enterprise management. International Journal of Business Information Systems, 2014, 16, 409.	0.2	23
98	Learning Automata-Based QoS Framework for Cloud IaaS. IEEE Transactions on Network and Service Management, 2014, 11, 15-24.	3.2	65
99	An Empirical Study on the Performance of Rule-Based Classification by Feature Selection. , 2014, , .		0
100	A Joint FED Watermarking System Using Spatial Fusion for Verifying the Security Issues of Teleradiology. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 753-764.	3.9	49
101	Learning automata-based multi-constrained fault-tolerance approach for effective energy management in smart grid communication network. Journal of Network and Computer Applications, 2014, 44, 212-219.	5.8	24
102	QoS Aware Healthcare System on Mobile Clouds. , 2014, , .		3
103	Secure socket layer certificate verification: a learning automata approach. Security and Communication Networks, 2014, 7, 1712-1718.	1.0	15
104	Cross Layer Based Congestion Control in Wireless Mesh Networks. Cybernetics and Information Technologies, 2014, 14, 65-80.	0.4	0
105	BER reduction in signal receivers towards greening of digital communications. International Journal of Communication Networks and Distributed Systems, 2014, 12, 82.	0.3	1
106	Learning Automata-Based Cross Layer Framework with Context Awareness for Wireless Systems. , 2014, , .		0
107	Forecasting the Trends in Cloud Computing and its Impact on Future IT Business. Advances in Environmental Engineering and Green Technologies Book Series, 2014, , 14-32.	0.3	5
108	Efficient Data Transfer by Mobility Adjustment Algorithm for Clustered Mobile Ad-Hoc Networks. Cybernetics and Information Technologies, 2014, 14, 50-64.	0.4	0

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109	Learning automata as a utility for power management in smart grids. , 2013, 51, 98-104.		69
110	Learning automata-based virtual backoff algorithm for efficient medium access in vehicular ad hoc networks. Journal of Systems Architecture, 2013, 59, 968-975.	2.5	12
111	Honey bee behavior inspired load balancing of tasks in cloud computing environments. Applied Soft Computing Journal, 2013, 13, 2292-2303.	4.1	523
112	Applying operations management models for facility location problem in cloud computing environments. International Journal of Services and Operations Management, 2013, 15, 1.	0.1	20
113	Learning Automata Based Sentiment Analysis for recommender system on cloud. , 2013, , .		37
114	Versatile time-cost algorithm (VTCA) for scheduling non-preemptive tasks of time critical workflows in cloud computing systems. International Journal of Communication Networks and Distributed Systems, 2013, 11, 390.	0.3	28
115	D0M-WLAN. , 2013, , .		0
116	A fault-tolerant routing protocol for dynamic autonomous unmanned vehicular networks. , 2013, , .		8
117	Analysis of a refined model for the IEEE 802.11 distributed coordination function. International Journal of Communication Networks and Distributed Systems, 2013, 10, 66.	0.3	8
118	A fuzzy-based intelligent vertical handoff decision strategy with maximised user satisfaction for next generation communication networks. International Journal of Process Management and Benchmarking, 2013, 3, 420.	0.1	8
119	A framework for power estimation and reduction in multi-core architectures using basic block approach. International Journal of Communication Networks and Distributed Systems, 2013, 10, 40.	0.3	11
120	Applicability of Rough Set Technique for Data Investigation and Optimization of Intrusion Detection System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 479-484.	0.2	15
121	Medical Image Spatial Fusion Watermarking System. Lecture Notes in Electrical Engineering, 2013, , 453-464.	0.3	1
122	An efficient approach for distributed channel allocation with learning automata-based reservation in cellular networks. Simulation, 2012, 88, 1166-1179.	1.1	18
123	Quality-of-service-enabled ant colony-based multipath routing for mobile ad hoc networks. IET Communications, 2012, 6, 76.	1.5	52
124	LACAV: an energy-efficient channel assignment mechanism for vehicular ad hoc networks. Journal of Supercomputing, 2012, 62, 1241-1262.	2.4	56
125	An efficient bandwidth management framework for wireless mesh networks. , 2012, , .		0
126	An adaptive learning approach for fault-tolerant routing in Internet of Things. , 2012, , .		24

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127	A learning automata-based fault-tolerant routing algorithm for mobile ad hoc networks. Journal of Supercomputing, 2012, 62, 4-23.	2.4	63
128	Temporary Parallel Route Recovery for Frequent Link Failure in VANET. Advances in Intelligent Systems and Computing, 2012, , 369-374.	0.5	2
129	Designing of Power Optimized Bypassing Array Multiplier in Nanometer Technology. Communications in Computer and Information Science, 2012, , 277-284.	0.4	0
130	Band-width Efficient Multipoint Relays Selection in Optimized Link State Routing Protocol for Mobile Ad-hoc Networks. Information Technology Journal, 2012, 11, 1097-1102.	0.3	2
131	A Learning Automata Based Solution for Preventing Distributed Denial of Service in Internet of Things. , 2011, , .		67
132	An Adaptive Learning Approach for Fault-Tolerant Routing in Ad Hoc Networks. Communications in Computer and Information Science, 2011, , 15-25.	0.4	1
133	An Analysis of Security Related Issues in Cloud Computing. Communications in Computer and Information Science, 2011, , 180-190.	0.4	17
134	A Fast Handover Scheme for Multicasting in IPv6 based Mobile Ad hoc Networks. Journal of Computer Science, 2011, 7, 90-94.	0.5	2
135	Mitigating denial of service attacks in hierarchical wireless sensor networks. Network Security, 2011, 2011, 14-18.	0.6	12
136	An Adaptive Learning Scheme for Medium Access with Channel Reservation in Wireless Networks. Wireless Personal Communications, 2011, 56, 55-72.	1.8	17
137	A stochastic learning automataâ€based solution for intrusion detection in vehicular <i>ad hoc</i> networks. Security and Communication Networks, 2011, 4, 666-677.	1.0	20
138	A simple learning automataâ€based solution for intrusion detection in wireless sensor networks. Wireless Communications and Mobile Computing, 2011, 11, 426-441.	0.8	29
139	Fusion of Cryptographic Watermarking Medical Image System with Reversible Property. Communications in Computer and Information Science, 2011, , 533-540.	0.4	17
140	Secure and efficient key management scheme for wireless sensor networks. , 2011, , .		4
141	A self enforcing and flexible security protocol for preventing Denial of Service attacks in wireless sensor networks. , 2011, , .		6
142	Learning Automata-Based Reservation Scheme for Channel Allocation in Wireless Networks. Communications in Computer and Information Science, 2011, , 116-126.	0.4	4
143	Fingerprint enhancement and compression method using Morlet wavelet. International Journal of Signal and Imaging Systems Engineering, 2010, 3, 261.	0.6	24
144	An adaptive learning routing protocol for the prevention of distributed denial of service attacks in wireless mesh networks. Computers and Mathematics With Applications, 2010, 60, 294-306.	1.4	51

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145	Adaptive link-state routing and intrusion detection in wireless mesh networks. IET Information Security, 2010, 4, 374.	1.1	14
146	Virtual Backoff Algorithm: An Enhancement to 802.11 Medium-Access Control to Improve the Performance of Wireless Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 1068-1075.	3.9	48
147	Multimodal Biometric Invariant Moment Fusion Authentication System. Communications in Computer and Information Science, 2010, , 136-143.	0.4	7
148	Energy efficient learning solution for intrusion detection in Wireless Sensor Networks. , 2010, , .		17
149	LAID: a learning automataâ€based scheme for intrusion detection in wireless sensor networks. Security and Communication Networks, 2009, 2, 105-115.	1.0	41
150	An efficient approach for distributed dynamic channel allocation with queues for real-time and non-real-time traffic in cellular networks. Journal of Systems and Software, 2009, 82, 1112-1124.	3.3	41
151	Text Fusion Watermarking in Medical Image with Semi-reversible for Secure Transfer and Authentication. , 2009, , .		35
152	An efficient 802.11 medium access control method and its simulation analysis. , 2009, , .		4
153	Simulation of Coordinating Sniffer Robots for Building Odor Maps. , 2009, , .		0
154	INTRUSION DETECTION IN WIRELESS MESH NETWORK USING INCOMPLETE NON-COOPERATIVE GAME THEORY. , 2009, , .		0
155	An efficient Hash Table-Based Node Identification Method for bandwidth reservation in hybrid cellular and ad-hoc networks. Computer Communications, 2008, 31, 722-733.	3.1	19
156	Optimal channel allocation algorithm with efficient channel reservation for cellular networks. International Journal of Communication Networks and Distributed Systems, 2008, 1, 33.	0.3	18
157	Sequencing technique: an enhancement to 802.11 medium access control to improve the performance of wireless networks. International Journal of Communication Networks and Distributed Systems, 2008, 1, 52.	0.3	18
158	Intrusion Detection in Wireless Sensor Networks: The S-Model Learning Automata Approach. , 2008, , .		5
159	Design of Sequencing Medium Access Control to Improve the Performance of Wireless Networks. Journal of Computing and Information Technology, 2008, 16, 81.	0.2	13
160	Developing Ontology-Based Framework Using Semantic Grid. , 2008, , 547-552.		0
161	Optimal routing with QoS guarantees in the wireless networks. , 2007, , 469-473.		0
162	Cyber Physical Control Systems. , 0, , 2575-2599.		1