

# P Venkata Krishna

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Honey bee behavior inspired load balancing of tasks in cloud computing environments. Applied Soft Computing Journal, 2013, 13, 2292-2303.	4.1	523
2	Learning automata as a utility for power management in smart grids. , 2013, 51, 98-104.		69
3	A Learning Automata Based Solution for Preventing Distributed Denial of Service in Internet of Things. , 2011, , .		67
4	Learning Automata-Based QoS Framework for Cloud IaaS. IEEE Transactions on Network and Service Management, 2014, 11, 15-24.	3.2	65
5	A learning automata-based fault-tolerant routing algorithm for mobile ad hoc networks. Journal of Supercomputing, 2012, 62, 4-23.	2.4	63
6	LACAV: an energy-efficient channel assignment mechanism for vehicular ad hoc networks. Journal of Supercomputing, 2012, 62, 1241-1262.	2.4	56
7	Application of Deep Learning to Sentiment Analysis for recommender system on cloud. , 2017, , .		53
8	Quality-of-service-enabled ant colony-based multipath routing for mobile ad hoc networks. IET Communications, 2012, 6, 76.	1.5	52
9	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
10	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
11	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
12	LAIID: a learning automata-based scheme for intrusion detection in wireless sensor networks. Security and Communication Networks, 2009, 2, 105-115.	1.0	41
13	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
14	Learning Automata Based Sentiment Analysis for recommender system on cloud. , 2013, , .		37
15	Text Fusion Watermarking in Medical Image with Semi-reversible for Secure Transfer and Authentication. , 2009, , .		35
16	Hybrid encryption framework for securing big data storage in multi-cloud environment. Evolutionary Intelligence, 2021, 14, 691-698.	2.3	33
17	A simple learning automata-based solution for intrusion detection in wireless sensor networks. Wireless Communications and Mobile Computing, 2011, 11, 426-441.	0.8	29
18	An efficient approach for sentiment analysis using machine learning algorithm. Evolutionary Intelligence, 2021, 14, 725-731.	2.3	29

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19	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
20	Fingerprint enhancement and compression method using Morlet wavelet. International Journal of Signal and Imaging Systems Engineering, 2010, 3, 261.	0.6	24
21	An adaptive learning approach for fault-tolerant routing in Internet of Things. , 2012, , .		24
22	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
23	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
24	Efficient Medium Access Control for Cyber-Physical Systems With Heterogeneous Networks. IEEE Systems Journal, 2015, 9, 22-30.	2.9	23
25	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
26	A stochastic learning automata-based solution for intrusion detection in vehicular ad hoc networks. Security and Communication Networks, 2011, 4, 666-677.	1.0	20
27	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
28	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
29	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
30	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
31	An efficient approach for distributed channel allocation with learning automata-based reservation in cellular networks. Simulation, 2012, 88, 1166-1179.	1.1	18
32	Learning Automata-Based Fault-Tolerant System for Dynamic Autonomous Unmanned Vehicular Networks. IEEE Systems Journal, 2017, 11, 2929-2938.	2.9	18
33	Energy efficient learning solution for intrusion detection in Wireless Sensor Networks. , 2010, , .		17
34	An Analysis of Security Related Issues in Cloud Computing. Communications in Computer and Information Science, 2011, , 180-190.	0.4	17
35	An Adaptive Learning Scheme for Medium Access with Channel Reservation in Wireless Networks. Wireless Personal Communications, 2011, 56, 55-72.	1.8	17
36	Fusion of Cryptographic Watermarking Medical Image System with Reversible Property. Communications in Computer and Information Science, 2011, , 533-540.	0.4	17

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37	OLB: A Nature Inspired Approach for Load Balancing in Cloud Computing. Cybernetics and Information Technologies, 2015, 15, 138-148.	0.4	16
38	Bio-inspired algorithms for cloud computing: a review. International Journal of Innovative Computing and Applications, 2015, 6, 181.	0.2	16
39	Secure socket layer certificate verification: a learning automata approach. Security and Communication Networks, 2014, 7, 1712-1718.	1.0	15
40	Spam detection using hybrid model of rough set and decorate ensemble. International Journal of Computational Systems Engineering, 2016, 2, 139.	0.2	15
41	Learning automata based optimized multipath routing using leapfrog algorithm for VANETs. , 2017, , .		15
42	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
43	Adaptive link-state routing and intrusion detection in wireless mesh networks. IET Information Security, 2010, 4, 374.	1.1	14
44	Learning automata based decision making algorithm for task offloading in mobile cloud. , 2016, , .		13
45	Power modelling of sensors for IoT using reinforcement learning. International Journal of Advanced Intelligence Paradigms, 2018, 10, 3.	0.2	13
46	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
47	Mitigating denial of service attacks in hierarchical wireless sensor networks. Network Security, 2011, 2011, 14-18.	0.6	12
48	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
49	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
50	An efficient learning automata based task offloading in mobile cloud computing environments. , 2017, , .		12
51	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
52	The effective SVM-based binary prediction of ground water table. Evolutionary Intelligence, 2021, 14, 779-787.	2.3	11
53	Learning automata and reservation based secure smart parking system: Methodology and simulation analysis. Simulation Modelling Practice and Theory, 2021, 106, 102205.	2.2	11
54	Cloud cluster communication for critical applications accessing C-MPICH. , 2014, , .		10

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55	Analyzing Intrusion Detection System: An ensemble based stacking approach. , 2014, , .		10
56	Role of Imaging Modality in Premature Detection of Bosom Irregularity. SpringerBriefs in Applied Sciences and Technology, 2019, , 81-92.	0.2	10
57	Comparing Biometric and Blockchain Security Mechanisms in Smart Parking System. , 2020, , .		10
58	An execution environment oriented approach for scheduling dependent tasks of cloud computing workflows. International Journal of Cloud Computing, 2014, 3, 209.	0.3	9
59	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
60	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
61	Feedback-based fuzzy resource management in IoT using fog computing. Evolutionary Intelligence, 2021, 14, 669-681.	2.3	9
62	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
63	A fault-tolerant routing protocol for dynamic autonomous unmanned vehicular networks. , 2013, , .		8
64	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
65	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
66	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
67	Enhanced Role-Based Access Control for Cloud Security. Advances in Intelligent Systems and Computing, 2015, , 837-852.	0.5	8
68	Analysis of Authentication System Based on Keystroke Dynamics. , 2019, , .		8
69	IoT-Cloud-Based Health Care System Framework to Detect Breast Abnormality. Advances in Intelligent Systems and Computing, 2020, , 615-625.	0.5	8
70	Multimodal Biometric Invariant Moment Fusion Authentication System. Communications in Computer and Information Science, 2010, , 136-143.	0.4	7
71	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
72	A self enforcing and flexible security protocol for preventing Denial of Service attacks in wireless sensor networks. , 2011, , .		6

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73	CHSEO: An Energy Optimization Approach for Communication in the Internet of Things. , 2017, , .		6
74	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
75	Efficient Multipath Routing Protocol with Quality of Service for Mobile Ad Hoc Networks. , 2018, , .		6
76	Advances in Key Stroke Dynamics-Based Security Schemes. , 2019, , 165-187.		6
77	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
78	Intrusion Detection in Wireless Sensor Networks: The S-Model Learning Automata Approach. , 2008, , .		5
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	Wireless Sensor Enabled Breast Self-Examination Assistance to Detect Abnormality. , 2018, , .		5
81	Prediction of heart abnormalities using deep learning model and wearable devices in smart health homes. Multimedia Tools and Applications, 2022, 81, 543-557.	2.6	5
82	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
83	An efficient 802.11 medium access control method and its simulation analysis. , 2009, , .		4
84	Secure and efficient key management scheme for wireless sensor networks. , 2011, , .		4
85	Layered storage architecture for health system using cloud. , 2014, , .		4
86	Enhanced framework for verifying user authorization and data correctness using token management system in the cloud. , 2014, , .		4
87	Grid connected solar PV fed cascaded multilevel inverter implementation using XSG platform. , 2015, , .		4
88	Learning Automata-Based Channel Reservation Scheme to Enhance QoS in Vehicular Adhoc Networks. , 2016, , .		4
89	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
90	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

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91	Data analytics in wireless systems and IoT issues and challenges. International Journal of Communication Systems, 2020, 33, e4522.	1.6	4
92	Learning Automata-Based Reservation Scheme for Channel Allocation in Wireless Networks. Communications in Computer and Information Science, 2011, , 116-126.	0.4	4
93	Power modelling of sensors for IoT using reinforcement learning. International Journal of Advanced Intelligence Paradigms, 2018, 10, 3.	0.2	4
94	QoS Aware Healthcare System on Mobile Clouds. , 2014, , .		3
95	Energy aware medium access control for CPS-based wireless networks. International Journal of Communication Networks and Distributed Systems, 2016, 16, 352.	0.3	3
96	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
97	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
98	Development of Efficient E-Health Records Using IoT and Blockchain Technology. , 2021, , .		3
99	Analyzing Significant Reduction in Traffic by Using Restricted Smart Parking. Advances in Intelligent Systems and Computing, 2020, , 27-40.	0.5	3
100	A Fast Handover Scheme for Multicasting in IPv6 based Mobile Ad hoc Networks. Journal of Computer Science, 2011, 7, 90-94.	0.5	2
101	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
102	Identification of abnormality from digital mammogram to detect breast cancer. , 2015, , .		2
103	Learning automaton based context oriented middleware architecture for precision agriculture. , 2015, , .		2
104	Antâ€inspired levelâ€based congestion control for wireless mesh networks. International Journal of Communication Systems, 2015, 28, 1493-1507.	1.6	2
105	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
106	Efficient channel assignment method for multimedia traffic in wireless mesh networks. International Journal of Communication Systems, 2016, 29, 929-941.	1.6	2
107	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
108	A study on economic load dispatch in power system in the environment perspective by PSO. , 2017, , .		2

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109	Robust DCN design for optical transport network resilience. , 2017, , .		2
110	An efficient distributed protein disorder prediction with pasted samples. Computers and Electrical Engineering, 2018, 65, 342-356.	3.0	2
111	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
112	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
113	Temporary Parallel Route Recovery for Frequent Link Failure in VANET. Advances in Intelligent Systems and Computing, 2012, , 369-374.	0.5	2
114	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
115	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
116	An Adaptive Learning Approach for Fault-Tolerant Routing in Ad Hoc Networks. Communications in Computer and Information Science, 2011, , 15-25.	0.4	1
117	BER reduction in signal receivers towards greening of digital communications. International Journal of Communication Networks and Distributed Systems, 2014, 12, 82.	0.3	1
118	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
119	A virtual backoff algorithm-based MAC protocol for underwater acoustic sensor networks. International Journal of Internet Protocol Technology, 2016, 9, 129.	0.2	1
120	Reservation and contention reduced channel access method with effective quality of service for wireless mesh networks. , 2016, , .		1
121	Designing and Prototyping Utility Management Using Hybrid Wireless-Wired Network Technologies. , 2017, , .		1
122	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
123	A novel algorithm to optimize cost of coherent long-haul DWDM network. , 2017, , .		1
124	An enhanced virtual backoff algorithm for wireless sensor networks. International Journal of Wireless and Mobile Computing, 2017, 13, 179.	0.1	1
125	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
126	Deep Learning Based Efficient Channel Allocation Algorithm for Next Generation Cellular Networks. Programming and Computer Software, 2018, 44, 428-434.	0.5	1



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127	Context-Aware Middleware Architectural Framework for Intelligent Smart Grid Data Management. , 2018, , .		1
128	An efficient priority based resource management framework for IoT enabled applications in the cloud. Evolutionary Intelligence, 2021, 14, 863-869.	2.3	1
129	Enhancing Quality of Service in Cloud Gaming System. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 228-260.	0.1	1
130	Medical Image Spatial Fusion Watermarking System. Lecture Notes in Electrical Engineering, 2013, , 453-464.	0.3	1
131	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
132	Investigating Recommender Systems in OSNs. SpringerBriefs in Applied Sciences and Technology, 2019, , 29-44.	0.2	1
133	Bio-inspired Fuzzy Model for Energy Efficient Cloud Computing Through Firefly Search Behaviour Methods. , 2020, , 1043-1049.		1
134	Analysing Human Activity Patterns by Chest-Mounted Wearable Devices. Advances in Intelligent Systems and Computing, 2020, , 389-401.	0.5	1
135	Cyber Physical Control Systems. , 0, , 2575-2599.		1
136	Simulation of Coordinating Sniffer Robots for Building Odor Maps. , 2009, , .		0
137	INTRUSION DETECTION IN WIRELESS MESH NETWORK USING INCOMPLETE NON-COOPERATIVE GAME THEORY. , 2009, , .		0
138	An efficient bandwidth management framework for wireless mesh networks. , 2012, , .		0
139	DOM-WLAN. , 2013, , .		0
140	An Empirical Study on the Performance of Rule-Based Classification by Feature Selection. , 2014, , .		0
141	Cross Layer Based Congestion Control in Wireless Mesh Networks. Cybernetics and Information Technologies, 2014, 14, 65-80.	0.4	0
142	Learning Automata-Based Cross Layer Framework with Context Awareness for Wireless Systems. , 2014, , .		0
143	Learning Automata-Based Cross Layer Framework with Context Awareness for Wireless Systems. , 2015, , .		0
144	New Elastic Node Addressing Schemes for Next-Generation Networks. , 2015, , .		0

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145	Grounded resistor/capacitor controlled multi-phase sinusoidal oscillator using DDCCCs. , 2016, , .		0
146	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
147	Improving the performance by message broadcasting in VANETS. International Journal of High Performance Computing and Networking, 2017, 10, 194.	0.4	0
148	Advance intelligence tyre monitoring system using ambient backscatter technology in VANETS. International Journal of Advanced Intelligence Paradigms, 2018, 10, 133.	0.2	0
149	Region-based colour image spatial fusion steganographic system. International Journal of Multimedia Intelligence and Security, 2018, 3, 129.	0.1	0
150	Multimodal Biometric Invariant Fusion Techniques. , 2019, , 321-336.		0
151	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
152	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
153	Developing Ontology-Based Framework Using Semantic Grid. , 2008, , 547-552.		0
154	Designing of Power Optimized Bypassing Array Multiplier in Nanometer Technology. Communications in Computer and Information Science, 2012, , 277-284.	0.4	0
155	Efficient Data Transfer by Mobility Adjustment Algorithm for Clustered Mobile Ad-Hoc Networks. Cybernetics and Information Technologies, 2014, 14, 50-64.	0.4	0
156	Forecasting the Trends in Cloud Computing and its Impact on Future IT Business. , 2015, , 2354-2372.		0
157	Web Analytics. Advances in Web Technologies and Engineering Book Series, 2016, , 253-275.	0.4	0
158	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
159	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
160	Classifying Content Quality and Interaction Quality on Online Social Networks. SpringerBriefs in Applied Sciences and Technology, 2019, , 1-7.	0.2	0
161	An Optimal Bio Inspired Genetic Algorithm for Load Balancing for Cloud Data Centre. Helix, 2019, 9, 4722-4731.	0.1	0
162	Optimal routing with QoS guarantees in the wireless networks. , 2007, , 469-473.		0