Deo Prakash Vidyarthi

List of Publications by Year
in descending order

73	1,184	394421	434195
papers	citations	19	31
		h-index	g-index

73	73	73	1017
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Cost-Effective Deadline-Constrained Dynamic Scheduling Algorithm for Scientific Workflows in a Cloud Environment. IEEE Transactions on Cloud Computing, 2018, 6, 2-18.	4.4	160
2	Fair Resource Allocation Policies in Reverse Auction-Based Cloud Market. SN Computer Science, 2021, 2, 1.	3.6	96
3	A systematic study of double auction mechanisms in cloud computing. Journal of Systems and Software, 2017, 125, 234-255.	4.5	56
4	A novel hybrid PSO–GA meta-heuristic for scheduling of DAG with communication on multiprocessor systems. Engineering With Computers, 2016, 32, 35-47.	6.1	51
5	A Survey on Spot Pricing in Cloud Computing. Journal of Network and Systems Management, 2018, 26, 809-856.	4.9	42
6	A framework for selection of best cloud service provider using ranked voting method. , 2014, , .		41
7	Improved auto control ant colony optimization using lazy ant approach for grid scheduling problem. Future Generation Computer Systems, 2016, 60, 78-89.	7.5	37
8	A GA-Based Effective Fault-Tolerant Model for Channel Allocation in Mobile Computing. IEEE Transactions on Vehicular Technology, 2008, 57, 1823-1833.	6.3	36
9	A model for resource-constrained project scheduling using adaptive PSO. Soft Computing, 2016, 20, 1565-1580.	3.6	34
10	Maximizing availability for task scheduling in computational grid using genetic algorithm. Concurrency Computation Practice and Experience, 2015, 27, 193-210.	2.2	29
11	QoE Aware IoT Application Placement in Fog Computing Using Modified-TOPSIS. Mobile Networks and Applications, 2020, 25, 1816-1832.	3.3	27
12	A Truthful and Fair Multi-Attribute Combinatorial Reverse Auction for Resource Procurement in Cloud Computing. IEEE Transactions on Services Computing, 2019, 12, 851-864.	4.6	26
13	A cloud service selection model using improved ranked voting method. Concurrency Computation Practice and Experience, 2016, 28, 3540-3567.	2.2	25
14	FONS: a fog orchestrator node selection model to improve application placement in fog computing. Journal of Supercomputing, 2021, 77, 10562-10589.	3.6	25
15	Reliability-Based Channel Allocation Using Genetic Algorithm in Mobile Computing. IEEE Transactions on Vehicular Technology, 2009, 58, 4248-4256.	6.3	23
16	A truthful combinatorial double auction-based marketplace mechanism for cloud computing. Journal of Systems and Software, 2018, 140, 91-108.	4.5	23
17	An Energy Aware Cost Effective Scheduling Framework for Heterogeneous Cluster System. Future Generation Computer Systems, 2017, 71, 73-88.	7.5	22
18	Artificial lizard search optimization (ALSO): a novel nature-inspired meta-heuristic algorithm. Soft Computing, 2021, 25, 6179-6201.	3.6	22

#	Article	IF	Citations
19	Admission control in cloud computing using game theory. Journal of Supercomputing, 2016, 72, 317-346.	3.6	21
20	A model for virtual network embedding across multiple infrastructure providers using genetic algorithm. Science China Information Sciences, 2017, 60, 1.	4.3	21
21	Modified Dragonfly Algorithm for Optimal Virtual Machine Placement in Cloud Computing. Journal of Network and Systems Management, 2020, 28, 1316-1342.	4.9	21
22	Workflow-and-Platform Aware task clustering for scientific workflow execution in Cloud environment. Future Generation Computer Systems, 2016, 64, 61-74.	7.5	20
23	Integration of analytic network process with service measurement index framework for cloud service provider selection. Concurrency Computation Practice and Experience, 2017, 29, e4144.	2.2	19
24	Heterogeneity-aware adaptive auto-scaling heuristic for improved QoS and resource usage in cloud environments. Computing (Vienna/New York), 2017, 99, 351-381.	4.8	19
25	A framework for IoT service selection. Journal of Supercomputing, 2020, 76, 2777-2814.	3.6	19
26	Observing the effect of interprocess communication in auto controlled ant colony optimization€based scheduling on computational grid. Concurrency Computation Practice and Experience, 2014, 26, 241-270.	2.2	18
27	Independent Tasks Scheduling using Parallel PSO in Multiprocessor Systems. International Journal of Grid and High Performance Computing, 2015, 7, 1-17.	0.9	17
28	Energy Efficient VM Placement for Effective Resource Utilization using Modified Binary PSO. Computer Journal, 2018, 61, 832-846.	2.4	17
29	A GA based energy aware scheduler for DVFS enabled multicore systems. Computing (Vienna/New York), 2017, 99, 955-977.	4.8	14
30	A Hybrid GABFO Scheduling for Optimal Makespan in Computational Grid. International Journal of Applied Evolutionary Computation, 2014, 5, 57-83.	1.0	13
31	An energy-efficient reliable grid scheduling model using NSGA-II. Engineering With Computers, 2016, 32, 355-376.	6.1	13
32	A novel energy-efficient scheduling model for multi-core systems. Cluster Computing, 2021, 24, 643-666.	5.0	12
33	CoFA for QoS based secure communication using adaptive chaos dynamical system in fog-integrated cloud. , 2022, 126, 103523.		11
34	Computation offloading model for smart factory. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 8305-8318.	4.9	10
35	Fog-Integrated Cloud Architecture enabled multi-attribute combinatorial reverse auctioning framework. Simulation Modelling Practice and Theory, 2021, 109, 102307.	3.8	9
36	Intelligent admission control manager for fog€integrated cloud: A hybrid machine learning approach. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	8

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37	A survey on nature-inspired techniques for computation offloading and service placement in emerging edge technologies. World Wide Web, 2022, 25, 2049-2107.	4.0	8
38	BARA: A blockchain-aided auction-based resource allocation in edge computing enabled industrial internet of things. Future Generation Computer Systems, 2022, 135, 333-347.	7.5	8
39	Improved scheduler for multi-core many-core systems. Computing (Vienna/New York), 2014, 96, 1087-1110.	4.8	6
40	Fair Mechanisms for Combinatorial Reverse Auction-Based Cloud Market. Smart Innovation, Systems and Technologies, 2019, , 267-277.	0.6	6
41	Buffer Management in Cellular IP Network using PSO. International Journal of Mobile Computing and Multimedia Communications, 2009, 1, 78-93.	0.5	6
42	TRAPPY: a truthfulness and reliability aware application placement policy in fog computing. Journal of Supercomputing, 2022, 78, 7861-7887.	3.6	6
43	A Survey on Auction based Approaches for Resource Allocation and Pricing in Emerging Edge Technologies. Journal of Grid Computing, 2022, 20, 1.	3.9	6
44	Admission control and resource provisioning in fog-integrated cloud using modified fuzzy inference system. Journal of Supercomputing, 2022, 78, 15463-15503.	3.6	6
45	Resource discovery in Mobile Cloud Computing: A clustering based approach. , 2015, , .		5
46	A Heuristic Channel Allocation Model Using Cognitive Radio. Wireless Personal Communications, 2015, 85, 1043-1059.	2.7	5
47	An Optimal Virtual Network Mapping Model Based on Dynamic Threshold. Wireless Personal Communications, 2015, 83, 2381-2401.	2.7	5
48	A Cognitive Channel Allocation Model in Cellular Network using Genetic Algorithm. Wireless Personal Communications, 2017, 96, 6085-6110.	2.7	5
49	A Hybrid Heuristic for Load-Balanced Scheduling of Heterogeneous Workload on Heterogeneous Systems. Computer Journal, 2019, 62, 276-291.	2.4	5
50	A green SLA constrained scheduling algorithm for parallel/scientific applications in heterogeneous cluster systems. Sustainable Computing: Informatics and Systems, 2019, 22, 107-119.	2.2	5
51	A Multi-Criteria Framework for Smart Parking Recommender System. , 2020, , .		5
52	A Scheduling Model with Multi-Objective Optimization for Computational Grids using NSGA-II. International Journal of Applied Evolutionary Computation, 2010, 1, 74-94.	1.0	4
53	A Model for Cognitive Channel Allocation Using GA. , 2016, , .		4
54	A model for virtual network embedding using Artificial Bee Colony. International Journal of Communication Systems, 2018, 31, e3573.	2.5	4

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55	A Pricing Model for Effective Radio Spectrum Utilization. International Journal of Mobile Computing and Multimedia Communications, 2019, 10, 41-65.	0.5	4
56	Heterogeneity-aware elastic scaling of streaming applications on cloud platforms. Journal of Supercomputing, 2021, 77, 10512-10539.	3.6	4
57	Green Energy Model for Grid Resource Allocation. International Journal of Grid and High Performance Computing, 2014, 6, 52-73.	0.9	3
58	A Secured Real Time Scheduling Model for Cloud Hypervisor. International Journal of Cloud Applications and Computing, 2016, 6, 97-110.	2.0	3
59	A Security Prioritized Computational Grid Scheduling Model. International Journal of Grid and High Performance Computing, 2009, 1, 73-84.	0.9	2
60	Comparative study of two CPU router time management algorithms in cellular IP networks. International Journal of Network Management, 2011, 21, 120-129.	2.2	2
61	An econometric based model for resource scarcity problem in Cloud computing. , 2014, , .		2
62	A heuristic for security prioritized resource provisioning in cloud computing. , 2015, , .		2
63	A Graph Theoretic Algorithm for Virtual Network Embedding. International Journal of Business Data Communications and Networking, 2014, 10, 1-14.	0.7	2
64	Feasibility of Providers' Coalition in Reverse Auction-Based Cloud Market. Advances in Data Mining and Database Management Book Series, 2020, , 119-129.	0.5	2
65	An interactive Artificial Bee Colony based virtual network embedding. , 2015, , .		1
66	A GPS Based Deterministic Channel Allocation for Cellular Network in Mobile Computing. International Journal of Business Data Communications and Networking, 2009, 5, 33-51.	0.7	1
67	Fault Tolerant Algorithms for Multiple Infrastructure Provider Cooperation in Network Virtualization Environment Based on Auctioning. Wireless Personal Communications, 2017, 97, 1537-1561.	2.7	0
68	A model for resource management in computational grid using sequential auction and bargaining procurement. Cluster Computing, 2018, 21, 1457-1477.	5.0	0
69	A Hybrid Heuristic for QoS Aware Matching of User's Job and Virtual Machines in Cloud Environment. Journal of Information Technology Research, 2018, 11, 88-109.	0.5	0
70	Energy Aware Grid Scheduling for Dependent Task Using Genetic Algorithm. International Journal of Distributed Systems and Technologies, 2016, 7, 18-36.	0.7	0
71	A Dynamic Resource Provisioning VNE Algorithm Based on Graph Theory. Advances in Human Resources Management and Organizational Development Book Series, 2018, , 73-97.	0.3	0
72	A Secured Real Time Scheduling Model for Cloud Hypervisor. , 2019, , 507-522.		0

#	ARTICLE	IF	CITATIONS
73	A Study on Transfer Functions of Binary Particle Swarm Optimization for Energy-Efficient VM Placement. International Journal of Swarm Intelligence Research, 2022, 13, 1-27.	0.7	0