

# Shunfu Jin

## List of Publications by Year in descending order

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48  
papers

261  
citations

1307594

7  
h-index

1125743

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g-index

53  
all docs

53  
docs citations

53  
times ranked

83  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pricing Policy for a Dynamic Spectrum Allocation Scheme with Batch Requests and Impatient Packets in Cognitive Radio Networks. Journal of Systems Science and Systems Engineering, 2022, 31, 133-149.	1.6	53
2	Nash equilibrium and social optimization of a task offloading strategy with real-time virtual machine repair in an edge computing system. Cluster Computing, 2022, 25, 3785-3797.	5.0	4
3	Performance analysis of an energy-saving strategy in cloud data centers based on a MMAP[K]/M[K] <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e3419" altimg="si2.svg"><mml:mrow><mml:mrow><mml:mi>N</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></math>	7.5	8
4	Energy-Efficient Task Scheduling Strategy. , 2021, , 405-422.		1
5	Resource Management and Performance Analysis of Wireless Communication Networks. , 2021, , .		6
6	Energy Saving Strategy in CRNs Based on a Priority Queue with Multiple Vacations. , 2021, , 291-312.		0
7	Speed Switch and Multiple-Sleep Mode. , 2021, , 315-336.		0
8	Sleep Mode for Power Saving Class Type II. , 2021, , 51-68.		0
9	Virtual Machine Allocation Strategy. , 2021, , 337-357.		0
10	Clustered Virtual Machine Allocation Strategy. , 2021, , 359-379.		0
11	Performance Optimization of Cloud Data Centers with a Dynamic Energy-Efficient Resource Management Scheme. Complexity, 2021, 2021, 1-18.	1.6	3
12	Nash equilibrium and social optimization in cloud service systems with diverse users. Cluster Computing, 2021, 24, 2039-2050.	5.0	4
13	Performance evaluation and optimization of a task offloading strategy on the mobile edge computing with edge heterogeneity. Journal of Supercomputing, 2021, 77, 12486-12507.	3.6	14
14	Performance analysis and system optimization of an energy-saving mechanism in cloud computing with correlated traffic. Journal of Industrial and Management Optimization, 2021, .	1.3	0
15	A clustered virtual machine allocation strategy based on a sleep-mode with wake-up threshold in a cloud environment. Annals of Operations Research, 2020, 293, 193-212.	4.1	10
16	Performance Evaluation and Social Optimization of an Energy-Saving Virtual Machine Allocation Scheme Within a Cloud Environment. Journal of the Operations Research Society of China, 2020, 8, 561-580.	1.4	4
17	A virtualized data center energy-saving mechanism based on switching operating mode of physical servers and reserving virtual machines. Concurrency Computation Practice and Experience, 2020, , e5785.	2.2	0
18	An Energy-Efficient Task Scheduling Mechanism with Switching On/Sleep Mode of Servers in Virtualized Cloud Data Centers. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Nash Equilibrium and Social Optimization of Transactions in Blockchain System Based on Discrete-Time Queue. IEEE Access, 2020, 8, 73614-73622.	4.2	7
20	An Energy Efficient Task Scheduling Strategy in a Cloud Computing System and its Performance Evaluation using a Two-Dimensional Continuous Time Markov Chain Model. Electronics (Switzerland), 2019, 8, 775.	3.1	6
21	System Model and Equilibrium Strategy of Mobile Users in a Hybrid Access Network. Journal of Systems Science and Systems Engineering, 2019, 28, 224-237.	1.6	1
22	A Virtual Machine Scheduling Strategy with a Speed Switch and a Multi-Sleep Mode in Cloud Data Centers. Journal of Systems Science and Systems Engineering, 2019, 28, 194-210.	1.6	11
23	An Energy-Efficient Strategy for Virtual Machine Allocation over Cloud Data Centers. Journal of Network and Systems Management, 2019, 27, 860-882.	4.9	10
24	Performance evaluation and system optimization of Green cognitive radio networks with a multiple-sleep mode. Annals of Operations Research, 2019, 277, 371-391.	4.1	10
25	Pricing policy for a cloud registration service with a novel cloud architecture. Cluster Computing, 2019, 22, 271-283.	5.0	7
26	A MAP-Based Performance Analysis on an Energy-Saving Mechanism in Cloud Computing. Lecture Notes in Computer Science, 2019, , 369-378.	1.3	1
27	A novel adaptive spectrum reservation strategy in CRNs and its performance optimization. Optimization Letters, 2018, 12, 1215-1235.	1.6	5
28	A Task Scheduling Strategy with a Sleep-Delay Timer and a Waking-Up Threshold in Cloud Computing. Lecture Notes in Computer Science, 2018, , 115-123.	1.3	4
29	Performance analysis of cognitive radio networks for secondary users with slotted central control. Telecommunication Systems, 2017, 66, 689-699.	2.5	5
30	System model and performance estimation of dynamic spectrum allocation strategy with multi-channel and imperfect sensing. International Journal of Computer Mathematics, 2017, 94, 1727-1737.	1.8	5
31	Nash Equilibrium of an Energy Saving Strategy with Dual Rate Transmission in Wireless Regional Area Network. Wireless Communications and Mobile Computing, 2017, 2017, 1-10.	1.2	2
32	Energy-Efficient Strategy with a Speed Switch and a Multiple-Sleep Mode in Cloud Data Centers. Lecture Notes in Computer Science, 2017, , 143-154.	1.3	7
33	Multiple Sleep Mode Analysis for Energy Conservation in Green Cognitive Radio Networks. , 2016, , .		1
34	Energy-saving strategy for green cognitive radio networks with an LTE-advanced structure. Journal of Communications and Networks, 2016, 18, 610-618.	2.6	17
35	An Adjustable Channel Bonding Strategy in Centralized Cognitive Radio Networks and its Performance Optimization. Quality Technology and Quantitative Management, 2015, 12, 293-312.	1.9	8
36	Energy saving strategy in cognitive networks based on software defined radio. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
37	Performance evaluation for an opportunistic spectrum access mechanism with impatience behavior and imperfect sensing results. , 2015, , .		0
38	A novel spectrum access strategy with $\hat{I}$ -Retry policy in cognitive radio networks: A queueing-based analysis. Journal of Communications and Networks, 2014, 16, 193-201.	2.6	12
39	Performance Evaluation of the Centralized Spectrum Access Strategy with Multiple Input Streams in Cognitive Radio Networks. IEICE Transactions on Communications, 2014, E97.B, 334-342.	0.7	5
40	System modeling and performance analysis of the power saving class type II in BWA networks. Journal of Global Optimization, 2013, 56, 1375-1391.	1.8	2
41	A hybrid energy saving strategy with LPI and ALR for energy-efficient Ethernet. , 2012, , .		4
42	Performance analysis and evaluation of an enhanced power saving class type III in IEEE 802.16 with self-similar traffic. Journal of Global Optimization, 2012, 52, 353-367.	1.8	1
43	Performance evaluation of multi-traffic on wireless sensor networks using a novel DiffServ mechanism. , 2011, , .		0
44	Performance analysis for power saving class type III of IEEE 802.16 in WiMAX. Computer Networks, 2011, 55, 3734-3743.	5.1	5
45	Performance analysis of power saving class of Type III in IEEE 802.16e with user initiated traffic. Journal of Electronics, 2010, 27, 127-133.	0.2	0
46	Performance evaluation for the power saving class type III with a sleep-delay in IEEE 802.16e. , 2009, , .		4
47	Performance evaluation for the sleep mode in the IEEE 802.16e based on a queueing model with close-down time and multiple vacations. Journal of Industrial and Management Optimization, 2009, 5, 511-524.	1.3	5
48	Performance Analysis and Evaluation for Connection-Oriented Networks Based on Discrete Time Vacation Queueing Model. Quality Technology and Quantitative Management, 2008, 5, 51-62.	1.9	3