

# Jitender S Deogun

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

903  
citations

759233

12  
h-index

752698

20  
g-index

63  
all docs

63  
docs citations

63  
times ranked

738  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequential Association Rule Mining with Time Lags. Journal of Intelligent Information Systems, 2004, 22, 7-22.	3.9	103
2	Rankings of Graphs. SIAM Journal on Discrete Mathematics, 1998, 11, 168-181.	0.8	100
3	Wireless Communication in Data Centers: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 1572-1595.	39.4	89
4	Classification Framework for Free Space Optical Communication Links and Systems. IEEE Communications Surveys and Tutorials, 2019, 21, 1346-1382.	39.4	86
5	Monotone concepts for formal concept analysis. Discrete Applied Mathematics, 2004, 144, 70-78.	0.9	49
6	Polynomial Algorithms for Hamiltonian Cycle in Cocomparability Graphs. SIAM Journal on Computing, 1994, 23, 520-552.	1.0	48
7	Finding Hamiltonian paths in cocomparability graphs using the bump number algorithm. Order, 1992, 8, 383-391.	0.5	38
8	Radio Frequency Identification Applications in Smart Hospitals. , 2007, , .		33
9	Identity management using blockchain for cognitive cellular networks. , 2017, , .		33
10	On the vertex ranking problem for trapezoid, circular-arc and other graphs. Discrete Applied Mathematics, 1999, 98, 39-63.	0.9	31
11	1-Tough cocomparability graphs are hamiltonian. Discrete Mathematics, 1997, 170, 99-106.	0.7	26
12	Thermal-Constrained Energy-Aware Partitioning for Heterogeneous Multi-core Multiprocessor Real-Time Systems. , 2012, , .		26
13	Free space optical data center architecture design with fully connected racks. , 2014, , .		22
14	The Case for a Data Bank. , 2017, , .		19
15	Maize Tassel Detection From UAV Imagery Using Deep Learning. Frontiers in Robotics and AI, 2021, 8, 600410.	3.2	17
16	WDM Optical Interconnects: A Balanced Design Approach. IEEE/ACM Transactions on Networking, 2007, 15, 1565-1578.	3.8	16
17	STAG-CNS: An Order-Aware Conserved Noncoding Sequences Discovery Tool for Arbitrary Numbers of Species. Molecular Plant, 2017, 10, 990-999.	8.3	16
18	Feature selection and effective classifiers. Journal of the Association for Information Science and Technology, 1998, 49, 423-434.	1.0	13

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19	HyScale: A hybrid optical network based scalable, switch-centric architecture for data centers. , 2012, , .		12
20	Free Space Optical Multicast Crossbar. Journal of Optical Communications and Networking, 2016, 8, 1.	4.8	12
21	HyScaleII: A high performance hybrid optical network architecture for data centers. , 2012, , .		10
22	Proactive mitigation of impact of wormholes and sinkholes on routing security in energy-efficient wireless sensor networks. Wireless Networks, 2009, 15, 431-441.	3.0	9
23	Energy models driven green routing for data centers. , 2012, , .		9
24	OWCell: Optical wireless cellular data center network architecture. , 2017, , .		9
25	Gene Function Classification Using Fuzzy K-Nearest Neighbor Approach. , 2007, , .		8
26	A Dynamic Approach for the Selection of Super Peers in Ad Hoc Networks. , 2007, , .		7
27	Performance comparison and an ensemble approach of transcriptome assembly. , 2017, , .		5
28	Optimizing Free Space Optics for City-Wide Wireless Networks. , 2007, , .		4
29	Minimizing network cost in all-optical networks. , 2009, , .		4
30	Adaptive energy-efficient task partitioning for heterogeneous multi-core multiprocessor real-time systems. , 2012, , .		4
31	A novel thermal-constrained energy-aware partitioning algorithm for heterogeneous multiprocessor real-time systems. , 2014, , .		4
32	Design and analysis of elastic handoff in cognitive cellular networks. , 2017, , .		4
33	ProkEvo: an automated, reproducible, and scalable framework for high-throughput bacterial population genomics analyses. PeerJ, 2021, 9, e11376.	2.0	4
34	Strictly Nonblocking Multicasting WDM Optical Cross Connects Using Multiwavelength Converters. , 0, , .		3
35	Secure and Energy Aware Routing Against Wormholes and Sinkholes in Wireless Sensor Networks. , 2006, , .		3
36	CSOWC: A unified classification framework for standardizing optical wireless communications. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
37	A consensus-based ensemble approach to improve transcriptome assembly. BMC Bioinformatics, 2021, 22, 513.	2.6	3
38	A New Scalable WDM Optical Interconnect Design with Reduced Complexity. , 2006, , .		2
39	Multiple genome alignment based on longest path in directed acyclic graphs. International Journal of Bioinformatics Research and Applications, 2010, 6, 366.	0.2	2
40	Achieving 5As in Cloud Centric Cognitive Cellular Networks. , 2016, , .		2
41	Optimization of Hardware Complexity in Benes-Type WDM Optical Switching Networks. , 2006, , .		1
42	Designing Full-Connectivity WDM Optical Interconnects with Reduced Switching and Conversion Complexity. , 0, , .		1
43	Hybrid all-optical networks: Routing and wavelength assignment. , 2010, , .		1
44	A Comparison of a Campus Cluster and Open Science Grid Platforms for Protein-Guided Assembly Using Pegasus Workflow Management System. , 2014, , .		1
45	Rearrangeable Non-Blocking Multicast FSO Switch Using Fixed Switching Elements. , 2015, , .		1
46	New Class of Rearrangeable Nonblocking Multicast Free-Space Optical Switches. Journal of Optical Communications and Networking, 2016, 8, 569.	4.8	1
47	Comparative analysis of alignment tools for nanopore reads. , 2017, , .		1
48	DiCE: Discovery of conserved noncoding sequences efficiently. , 2017, , .		1
49	Design and Analysis of a New Class of WDM Optical Interconnect Architectures. , 2006, , .		0
50	A WDM Banyan Switching Network for Multicast Optical Cross-Connects. , 2006, , .		0
51	Path-based Protection in WDM Networks with Differentiated Quality-of-Protection. , 2006, , .		0
52	OPNp1-4: Full-Connectivity Optical WDM Interconnects Using Fixed-range Wavelength Conversion. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
53	OPN04-2: On the Design of a $2 \log N - 2$ WDM Optical Path Cross Connect with Full Permutation Capability. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
54	Design alternatives for N-stage WDM optical planar permutation networks. Photonic Network Communications, 2007, 13, 297-312.	2.7	0

#	ARTICLE	IF	CITATIONS
55	Stable and Fair MANETs: A Scalable Multi-Measure Clustering Framework. , 2008, , .		0
56	Minimizing Resource Blocking Rate in GoOBS. , 2011, , .		0
57	Rearrangeable Non-Blocking Multicast FSO Switch Using Fixed Switching Elements. , 2014, , .		0
58	Analysis of transcriptome assembly pipelines for wheat. , 2016, , .		0
59	Low-Complexity Energy-Efficient Spectrum Allocation Algorithm for Cognitive Radio Networks. , 2016, , .		0
60	MinCNE: Identifying Conserved Noncoding Elements Using Min-Wise Hashing. Transactions on Computational Science and Computational Intelligence, 2021, , 671-683.	0.3	0
61	IMPROVING MULTIPLE WHOLE GENOME ALIGNMENT BY CONSIDERING REARRANGEMENT. , 2005, , .		0
62	Gene Function Classification Using Fuzzy K-Nearest Neighbor Approach. , 2007, , .		0