

Rabi Mahapatra

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

181
citations

1684188

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2053705

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all docs

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docs citations

25
times ranked

133
citing authors

#	ARTICLE	IF	CITATIONS
1	Key Predistribution Schemes for Establishing Pairwise Keys with a Mobile Sink in Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 176-184.	5.6	48
2	Evolutionary Heuristic A* Search: Heuristic Function Optimization via Genetic Algorithm. , 2018, , .		17
3	BiGNoC: Accelerating Big Data Computing with Application-Specific Photonic Network-on-Chip Architectures. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 2402-2415.	5.6	17
4	A Dynamic Slack Management Technique for Real-Time Distributed Embedded Systems. IEEE Transactions on Computers, 2008, 57, 215-230.	3.4	16
5	A hash-based scalable IP lookup using Bloom and fingerprint filters. , 2009, , .		11
6	ConvLight: A Convolutional Accelerator with Memristor Integrated Photonic Computing. , 2017, , .		9
7	Evolutionary Heuristic A* Search: Pathfinding Algorithm with Self-Designed and Optimized Heuristic Function. International Journal of Semantic Computing, 2019, 13, 5-23.	0.5	9
8	BPLight-CNN: A Photonics-Based Backpropagation Accelerator for Deep Learning. ACM Journal on Emerging Technologies in Computing Systems, 2021, 17, 1-26.	2.3	9
9	Optimization of Semantic Routing Table. , 2008, , .		6
10	Secure Data Collection Scheme in Wireless Sensor Network with Mobile Sink. , 2008, , .		5
11	Mobile sink using multiple channels to defend against wormhole attacks in wireless sensor networks. , 2009, , .		5
12	Search Co-Ordination by Semantic Routed Network. , 2009, , .		5
13	Optimizing a Semantic Comparator Using CUDA-enabled Graphics Hardware. , 2011, , .		4
14	Privacy-Preserving ECG based Active Authentication (PPEA2) for IoT Devices. , 2018, , .		4
15	A parallel architecture for meaning comparison. , 2010, , .		3
16	An Efficient Key Distribution Scheme for Establishing Pairwise Keys with a Mobile Sink in Distributed Sensor Networks. , 2008, , .		2
17	Parallel Processor Core for Semantic Search Engines. , 2011, , .		2
18	Designing a Collaborative Filtering Recommender on the Single Chip Cloud Computer. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	PID controlled thermal management in photonic network-on-chip. , 2015, , .		2
20	Analysis of RealTime Embedded Applications in the Presence of a Stochastic Fault Model. , 2007, , .		1
21	Temperature aware energy management for real-time scheduling. , 2011, , .		1
22	Optimizing a Collaborative Filtering Recommender for Many-Core Processors. , 2012, , .		1
23	A reconfigurable computing architecture for semantic information filtering. , 2013, , .		1
24	On-chip Parallel Photonic Reservoir Computing using Multiple Delay Lines. , 2020, , .		1
25	Distributed Collaborative Filtering on a Single Chip Cloud Computer*. , 2013, , .		0