Rabi Mahapatra

List of Publications by Year
in descending order

		1684188	2053705
25	181	5	5
papers	citations	h-index	g-index
25	25	25	133
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	On-chip Parallel Photonic Reservoir Computing using Multiple Delay Lines. , 2020, , .		1
3	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
4	Privacy-Preserving ECG based Active Authentication (PPEA2) for IoT Devices. , 2018, , .		4
5	Evolutionary Heuristic A* Search: Heuristic Function Optimization via Genetic Algorithm. , 2018, , .		17
6	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
7	ConvLight: A Convolutional Accelerator with Memristor Integrated Photonic Computing. , 2017, , .		9
8	PID controlled thermal management in photonic network-on-chip. , 2015, , .		2
9	A reconfigurable computing architecture for semantic information filtering. , 2013, , .		1
10	Distributed Collaborative Filtering on a Single Chip Cloud Computer*. , 2013, , .		0
11	Designing a Collaborative Filtering Recommender on the Single Chip Cloud Computer. , 2012, , .		2
12	Optimizing a Collaborative Filtering Recommender for Many-Core Processors. , 2012, , .		1
13	Optimizing a Semantic Comparator Using CUDA-enabled Graphics Hardware. , 2011, , .		4
14	Temperature aware energy management for real-time scheduling. , 2011, , .		1
15	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
16	Parallel Processor Core for Semantic Search Engines. , 2011, , .		2
17	A parallel architecture for meaning comparison. , 2010, , .		3
18	Mobile sink using multiple channels to defend against wormhole attacks in wireless sensor networks. , 2009, , .		5

#	Article	IF	Citations
19	A hash-based scalable IP lookup using Bloom and fingerprint filters. , 2009, , .		11
20	Search Co-Ordination by Semantic Routed Network. , 2009, , .		5
21	A Dynamic Slack Management Technique for Real-Time Distributed Embedded Systems. IEEE Transactions on Computers, 2008, 57, 215-230.	3.4	16
22	Optimization of Semantic Routing Table. , 2008, , .		6
23	Secure Data Collection Scheme in Wireless Sensor Network with Mobile Sink. , 2008, , .		5
24	An Efficient Key Distribution Scheme for Establishing Pairwise Keys with a Mobile Sink in Distributed Sensor Networks. , 2008, , .		2
25	Analysis of RealTime Embedded Applications in the Presence of a Stochastic Fault Model. , 2007, , .		1