

# Khaled Day

## List of Publications by Year in descending order

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62  
papers

1,050  
citations

777949

13  
h-index

511568

30  
g-index

63  
all docs

63  
docs citations

63  
times ranked

382  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Analysis of a New Energy-Aware RPL Routing Objective Function for Internet of Things. , 2020, , .		3
2	Mobile Crowd Sensing RPL-based Routing Protocol for Smart City. International Journal of Computer Networks and Communications, 2020, 12, 49-69.	0.3	2
3	Hybrid RPL-based sensing and routing protocol for smart city. International Journal of Pervasive Computing and Communications, 2020, 16, 279-306.	1.1	7
4	Context-Aware RPL-Based Mobile Crowd Sensing and Routing Protocol for Smart City Networks. , 2020, , .		2
5	Offloading as a Service Middleware for Mobile Cloud Apps. International Journal of Cloud Applications and Computing, 2020, 10, 36-55.	1.1	2
6	Localization Schemes for Underwater Wireless Sensor Networks: Survey. International Journal of Computer Networks and Communications, 2020, 12, 113-130.	0.3	9
7	An Efficient Data Collection Protocol for Underwater Wireless Sensor Networks. International Journal of Computer Networks and Communications, 2020, 12, 1-15.	0.3	0
8	An efficient and reliable grid-based routing protocol for UWSNs by exploiting minimum hop count. Computer Networks, 2019, 162, 106869.	3.2	7
9	Performance Evaluation of a Tree-Based Routing Protocol over a 3D Grid for UWSNs. , 2019, , .		0
10	Context-Aware Prediction Model for Offloading Mobile Application Tasks to Mobile Cloud Environments. International Journal of Cloud Applications and Computing, 2019, 9, 58-74.	1.1	10
11	Toward hybrid RPL based IoT sensing for smart city. , 2018, , .		5
12	Multiple Sink Placement Strategy for Underwater Wireless Sensor Networks. , 2018, , .		0
13	Multipath routing in a 3D torus network on chip. , 2018, , .		1
14	On Finding Minimum and Maximum Path Length in Grid-Based Wireless Networks. International Journal of Wireless and Mobile Networks, 2018, 10, 51-59.	0.1	1
15	Grid Based Priority Routing Protocol for UWSNs. International Journal of Computer Networks and Communications, 2017, 9, 01-20.	0.3	3
16	GARP : A Highly Reliable Grid Based Adaptive Routing Protocol for Underwater Wireless Sensor Networks. International Journal of Computer Networks and Communications, 2017, 9, 71-82.	0.3	3
17	TBR: Tree-Based Routing over a 3D Grid for Underwater Wireless Sensor Networks. Journal of Communications, 2017, , 579-584.	1.3	4
18	All-to-all broadcasting in torus Network on Chip. Journal of Supercomputing, 2015, 71, 2585-2596.	2.4	6

#	ARTICLE	IF	CITATIONS
19	A Parallel Gauss-Seidel Algorithm on a 3D Torus Network-on-Chip Architecture. , 2015, , .		2
20	A grid-based MANET routing protocol with simple cell-head election. International Journal of Wireless and Mobile Computing, 2014, 7, 159.	0.1	2
21	Bandwidth borrowing-based QoS approach for adaptive call admission control in multiclass traffic wireless cellular networks. International Journal of Communication Systems, 2013, 26, 811-831.	1.6	18
22	GEGR: A grid-based enabled geographic routing in Wireless Sensor Networks. , 2013, , .		3
23	Parallel Gauss-Seidel on a Torus NoC Architecture. , 2013, , .		0
24	PARALLEL GAUSS-SEIDEL ON A TORUS NETWORK-ON-CHIP ARCHITECTURE. Journal of Interconnection Networks, 2012, 13, 1250001.	0.6	2
25	GRID Based Broadcast Algorithm in Mobile Wireless Ad-Hoc Networks an Analytical Study. , 2012, , .		1
26	A RELIABLE MULTIPATH ROUTING PROTOCOL FOR MOBILE AD-HOC NETWORKS: ADAPTING TECHNIQUES FROM INTERCONNECTION NETWORKS. Journal of Interconnection Networks, 2011, 12, 19-54.	0.6	2
27	Position-based broadcast algorithm in mobile ad-hoc networks. , 2011, , .		1
28	An adaptive bandwidth borrowing-based Call Admission Control scheme for multi-class service wireless cellular networks. , 2011, , .		8
29	A Weighted Grid-based Routing Protocol for MANETs. , 2011, , .		0
30	Towards Fast and Reliable Communication in MANETs. Communications in Computer and Information Science, 2011, , 593-602.	0.4	1
31	A multilevel partitioning approach for efficient tasks allocation in heterogeneous distributed systems. Journal of Systems Architecture, 2008, 54, 530-548.	2.5	17
32	A unified fault-tolerant routing scheme for a class of cluster networks. Journal of Systems Architecture, 2008, 54, 757-768.	2.5	3
33	A 3D grid position-based routing protocol for mobile ad-hoc networks. , 2008, , .		0
34	Edge-disjoint spanning trees for the generalized butterfly networks and their applications. Journal of Parallel and Distributed Computing, 2005, 65, 1384-1396.	2.7	8
35	Replication algorithms for the World-Wide Web. Journal of Systems Architecture, 2004, 50, 591-605.	2.5	19
36	Optical transpose k-ary n-cube networks. Journal of Systems Architecture, 2004, 50, 697-705.	2.5	23

#	ARTICLE	IF	CITATIONS
37	Node-ranking schemes for the star networks. Journal of Parallel and Distributed Computing, 2003, 63, 239-250.	2.7	5
38	FAST LU FACTORIZATION ON THE HYPERSTAR INTERCONNECTION NETWORK. Journal of Interconnection Networks, 2002, 03, 231-243.	0.6	0
39	Topological properties of OTIS-networks. IEEE Transactions on Parallel and Distributed Systems, 2002, 13, 359-366.	4.0	70
40	Comparative Study of Product Networks. Journal of Parallel and Distributed Computing, 2002, 62, 1-18.	2.7	6
41	Unsafe vectors: a new fault-tolerant routing for the binary n-cube. Journal of Systems Architecture, 2002, 47, 783-793.	2.5	11
42	On the attractiveness of the star network. Journal of Systems and Software, 2002, 63, 151-158.	3.3	0
43	On fault-tolerant data replication in distributed systems. Microprocessors and Microsystems, 2002, 26, 301-309.	1.8	5
44	Fault-tolerant routing in hypercubes using probability vectors. Parallel Computing, 2001, 27, 1381-1399.	1.3	8
45	Unsafe vectors: a new fault-tolerant routing for k-Ary n-cubes. Microprocessors and Microsystems, 2001, 25, 239-246.	1.8	8
46	ADAPTIVE FAULT-TOLERANT ROUTING IN STAR NETWORKS. Journal of Interconnection Networks, 2001, 02, 213-231.	0.6	5
47	Probability-based Fault-tolerant Routing in Hypercubes. Computer Journal, 2001, 44, 368-373.	1.5	14
48	A fault tolerant routing scheme for hypercubes. Telecommunication Systems, 2000, 13, 29-44.	1.6	6
49	Minimal fault diameter for highly resilient product networks. IEEE Transactions on Parallel and Distributed Systems, 2000, 11, 926-930.	4.0	25
50	UNIFIED PARALLEL ALGORITHMS FOR GAUSSIAN ELIMINATION WITH BACKWARD SUBSTITUTION ON PRODUCT NETWORKS. International Journal of Parallel, Emergent and Distributed Systems, 2000, 14, 253-269.	0.4	0
51	Probability-Based Fault-Tolerant Routing in Hypercubes. Lecture Notes in Computer Science, 2000, , 935-938.	1.0	0
52	EFFICIENT ALGORITHMS ON THE HYPERSTAR NETWORK. International Journal of Parallel, Emergent and Distributed Systems, 1999, 14, 79-88.	0.4	0
53	The Hyperstar Interconnection Network. Journal of Parallel and Distributed Computing, 1998, 48, 175-199.	2.7	22
54	Product-closed networks. Journal of Systems Architecture, 1998, 45, 323-338.	2.5	4

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55	Parallel Solution of Dense Linear Systems on the $k$ -ary $n$ -cube Networks. International Journal of High Speed Computing, 1997, 09, 85-99.	0.2	6
56	The cross product of interconnection networks. IEEE Transactions on Parallel and Distributed Systems, 1997, 8, 109-118.	4.0	76
57	Fault diameter of $k$ -ary $n$ -cube networks. IEEE Transactions on Parallel and Distributed Systems, 1997, 8, 903-907.	4.0	119
58	A comparative study of topological properties of hypercubes and star graphs. IEEE Transactions on Parallel and Distributed Systems, 1994, 5, 31-38.	4.0	199
59	Unidirectional star graphs. Information Processing Letters, 1993, 45, 123-129.	0.4	32
60	Embedding Grids, Hypercubes, and Trees in Arrangement Graphs. , 1993, , .		15
61	Embedding of cycles in arrangement graphs. IEEE Transactions on Computers, 1993, 42, 1002-1006.	2.4	68
62	Arrangement graphs: a class of generalized star graphs. Information Processing Letters, 1992, 42, 235-241.	0.4	169