

# Haitham S Hamza

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

466  
citations

1307594

7  
h-index

794594

19  
g-index

61  
all docs

61  
docs citations

61  
times ranked

467  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a unified model for analyzing conversion complexity in optical switching networks. <i>Optik</i> , 2019, 183, 547-555.	2.9	5
2	Hybrid wavelength conversion with dynamic pump-wavelength selection for synchronous optical packet switching. <i>Optical Fiber Technology</i> , 2018, 46, 125-136.	2.7	1
3	Secure multicast routing protocols in mobile ad-hoc networks. <i>International Journal of Communication Systems</i> , 2014, 27, 2808-2831.	2.5	14
4	A decentralized inter-cell interference coordination scheme using multi-objective optimization. , 2014, , .		0
5	A Clock Skew Addressing scheme for Internet of Things. , 2014, , .		3
6	Autonomous Schemes for Inter-cell Interference Coordination in the Downlink of LTE Systems. <i>International Journal of Wireless Information Networks</i> , 2014, 21, 181-195.	2.7	0
7	Improving coverage and connectivity in mobile sensor networks using harmony search. , 2014, , .		3
8	Indoor localization and tracking using posterior state distribution of hidden markov model. , 2013, , .		4
9	Design and analysis of a bufferless Optical Packet Switch architecture with Wavelength Optical Crossbars. , 2013, , .		1
10	Alleviating the Domino Effect in Wireless Sensor Networks. , 2013, , .		1
11	Automated Generation of Use Case Diagrams from Problem Frames Using Formal Concept Analysis. , 2013, , .		2
12	Software Effort Estimation Using Artificial Neural Networks: A Survey of the Current Practices. , 2013, , .		5
13	A Survey on Inter-Cell Interference Coordination Techniques in OFDMA-Based Cellular Networks. <i>IEEE Communications Surveys and Tutorials</i> , 2013, 15, 1642-1670.	39.4	265
14	Inter-Cell Interference Coordination for Highly Mobile Users in LTE-Advanced Systems. , 2013, , .		4
15	Self-adaptive inter-cell interference coordination scheme for LTE systems. , 2013, , .		1
16	Convert-and-Deliver: a scalable multicast optical cross-connect with reduced power splitting fan-out. <i>Journal of Supercomputing</i> , 2012, 62, 1189-1212.	3.6	1
17	Third International Workshop on Knowledge-Oriented Product Line Engineering (KOPLE 2012). , 2012, , .		0
18	Spectrum Allocation in Cognitive Radio Networks Using Evolutionary Algorithms. <i>Lecture Notes in Electrical Engineering</i> , 2012, , 259-285.	0.4	10

#	ARTICLE	IF	CITATIONS
19	On the Use of Particle Swarm Optimization Techniques for Channel Assignments in Cognitive Radio Networks. , 2012, , 202-214.		4
20	A Domain Analysis Method for Evolvable Software Product Line Architectures. , 2011, , .		0
21	Service composition recovery using formal concept analyst & WordNet similarity. , 2011, , .		2
22	A scalable optical WDM multicast Beneš network with multi-channel wavelength converters. Photonic Network Communications, 2011, 21, 201-213.	2.7	3
23	On the design of asynchronous optical packet switch architectures with shared delay lines and converters. Photonic Network Communications, 2011, 22, 191-208.	2.7	7
24	Towards a Unified Trust Model for M-commerce Systems. , 2011, , .		1
25	Second International Workshop on Knowledge-Oriented Product Line Engineering. , 2011, , .		1
26	On the design of multi-wavelength copy interconnects with reduced complexity. Photonic Network Communications, 2010, 19, 240-256.	2.7	3
27	A new approach for fast segment-based protection in WDM mesh networks. International Journal of Communication Systems, 2010, 23, 1474-1499.	2.5	3
28	KOPLE. , 2010, , .		3
29	Using product line architectures to leverage systematic reuse of business knowledge. , 2010, , .		1
30	A survey on security enhanced multicast routing protocols in Mobile Ad hoc Networks. , 2010, , .		15
31	On the Complexity of Optical Cross-Connects under Flat and Recursive Shared Wave-Mixing Converters. IEEE Communications Letters, 2010, 14, 1173-1175.	4.1	1
32	An enhanced OPS architecture with optical buffers. , 2009, , .		2
33	On the Discovery of Candidate Aspects in Software Requirements. , 2009, , .		3
34	Optimizing complexity in Benes-type WDM switching networks. Photonic Network Communications, 2009, 17, 277-291.	2.7	1
35	A Framework for Identifying Reusable Software Components Using Formal Concept Analysis. , 2009, , .		8
36	Scalability analysis of wave-mixing optical cross-connects. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
37	Design and analysis of strictly nonblocking WDM optical-switching networks. Journal of Optical Networking, 2007, 6, 322.	2.5	1
38	Efficient use of protection bandwidth and switching resources in optical WDM networks. Journal of Optical Networking, 2007, 6, 349.	2.5	0
39	WDM Optical Interconnects: A Balanced Design Approach. IEEE/ACM Transactions on Networking, 2007, 15, 1565-1578.	3.8	16
40	A new class of strictly nonblocking WDM multicast switching networks. , 2007, , .		1
41	Design alternatives for N-stage WDM optical planar permutation networks. Photonic Network Communications, 2007, 13, 297-312.	2.7	0
42	Design and Analysis of a New Class of WDM Optical Interconnect Architectures. , 2006, , .		0
43	Optimization of Hardware Complexity in Benes-Type WDM Optical Switching Networks. , 2006, , .		1
44	A WDM Banyan Switching Network for Multicast Optical Cross-Connects. , 2006, , .		0
45	Demonstration of a nanoparticle-based optical diode. Optics Letters, 2006, 31, 1957.	3.3	11
46	Wavelength and opto-electro-opto sharing and optimization in wavelength division multiplexing mesh networks with path protection. Journal of Optical Networking, 2006, 5, 175.	2.5	1
47	Designing scalable WDM optical interconnects using predefined wavelength conversion. Journal of Optical Networking, 2006, 5, 422.	2.5	3
48	Wavelength-exchanging cross connects (WEX)-a new class of photonic cross-connect architectures. Journal of Lightwave Technology, 2006, 24, 1101-1111.	4.6	39
49	A New Scalable WDM Optical Interconnect Design with Reduced Complexity. , 2006, , .		2
50	Path-based Protection in WDM Networks with Differentiated Quality-of-Protection. , 2006, , .		0
51	OPNp1-4: Full-Connectivity Optical WDM Interconnects Using Fixed-range Wavelength Conversion. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
52	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
53	Designing Fast and Bandwidth Efficient Protection Scheme for WDM Optical Networks. Lecture Notes in Computer Science, 2006, , 391-402.	1.3	1
54	Designing Scalable WDM Optical Interconnects Using Predefined Wavelength Conversion. Lecture Notes in Computer Science, 2006, , 379-390.	1.3	0

#	ARTICLE	IF	CITATIONS
55	Introducing object-oriented analysis and design in lower-level undergraduate courses. , 2005, , .		0
56	SODA. , 2004, , .		4
57	Extracting domain- specific and domain-independent patterns. , 2003, , .		1
58	Engineering and reusing stable atomic knowledge (SAK) patterns. , 2003, , .		3
59	Designing Full-Connectivity WDM Optical Interconnects with Reduced Switching and Conversion Complexity. , 0, , .		1
60	Strictly Nonblocking Multicasting WDM Optical Cross Connects Using Multiwavelength Converters. , 0, , .		3
61	Assessing the Maturity of Control Objectives for Information and Related Technology (COBIT) Framework in the Egyptian Banking Sector. , 0, , 1263-1283.		0