Sadiq Sait

List of Publications by Year
in descending order

206 papers	7,276 citations	94433 37 h-index	66911 78 g-index
207 all docs	207 docs citations	207 times ranked	4673 citing authors

#	Article	IF	Citations
1	Natural convection nanofluid flow with heat transfer analysis of carbon nanotubes–water nanofluid inside a vertical truncated wavy cone. Mathematical Methods in the Applied Sciences, 2023, 46, 11303-11321.	2.3	32
2	Heat transmission in Darcy-Forchheimer flow of Sutterby nanofluid containing gyrotactic microorganisms. International Journal of Numerical Methods for Heat and Fluid Flow, 2023, 33, 135-152.	2.8	20
3	A novel chaotic Henry gas solubility optimization algorithm for solving real-world engineering problems. Engineering With Computers, 2022, 38, 871-883.	6.1	57
4	Enhanced grasshopper optimization algorithm using elite opposition-based learning for solving real-world engineering problems. Engineering With Computers, 2022, 38, 4207-4219.	6.1	94
5	Infrastructure-to-Vehicle Visible Light Communications: Channel Modelling and Performance Analysis. IEEE Transactions on Vehicular Technology, 2022, 71, 2240-2250.	6.3	22
6	On the Comparison of Optimal NOMA and OMA in a Paradigm Shift of Emerging Technologies. IEEE Access, 2022, 10, 11616-11632.	4.2	11
7	A Comprehensive Literature Review on Children's Databases for Machine Learning Applications. IEEE Access, 2022, 10, 12262-12285.	4.2	5
8	FxP-QNet: A Post-Training Quantizer for the Design of Mixed Low-Precision DNNs With Dynamic Fixed-Point Representation. IEEE Access, 2022, 10, 30202-30231.	4.2	5
9	Electromagnetic Flow of SWCNT/MWCNT Suspensions in Two Immiscible Water- and Engine-Oil-Based Newtonian Fluids through Porous Media. Symmetry, 2022, 14, 406.	2.2	43
10	A new chaotic Lévy flight distribution optimization algorithm for solving constrained engineering problems. Expert Systems, 2022, 39, .	4.5	53
11	Effects of Magnetohydrodynamics Flow on Multilayer Coatings of Newtonian and Non-Newtonian Fluids through Porous Inclined Rotating Channel. Coatings, 2022, 12, 430.	2.6	45
12	Hunger games search algorithm for global optimization of engineering design problems. Materialpruefung/Materials Testing, 2022, 64, 524-532.	2.2	33
13	Fast Overlapping Block Processing Algorithm for Feature Extraction. Symmetry, 2022, 14, 715.	2.2	14
14	A Novel Channel Model and Optimal Power Control Schemes for Mobile mmWave Two-Tier Networks. IEEE Access, 2022, 10, 54445-54458.	4.2	7
15	A new hybrid artificial hummingbird-simulated annealing algorithm to solve constrained mechanical engineering problems. Materialpruefung/Materials Testing, 2022, 64, 1043-1050.	2.2	29
16	A Comparative Study of Metaheuristic Algorithms for Reliability-Based Design Optimization Problems. Archives of Computational Methods in Engineering, 2021, 28, 1853-1869.	10.2	126
17	Experimental study on broadband radiofrequency electromagnetic radiations near cellular base stations: a novel perspective of public health. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1935-1942.	3.6	2
18	SLIPT for Underwater Visible Light Communications: Performance Analysis and Optimization. IEEE Transactions on Wireless Communications, 2021, 20, 6715-6728.	9.2	30

#	Article	IF	Citations
19	A Machine Learning Method to Synthesize Channel State Information Data in Millimeter Wave Networks. IEEE Access, 2021, 9, 83441-83452.	4.2	1
20	Fast Shot Boundary Detection Based on Separable Moments and Support Vector Machine. IEEE Access, 2021, 9, 106412-106427.	4.2	9
21	Visible Light Communication for Connected Vehicles: How to Achieve the Omnidirectional Coverage?. IEEE Access, 2021, 9, 103885-103905.	4.2	24
22	Robust design of a robot gripper mechanism using new hybrid grasshopper optimization algorithm. Expert Systems, 2021, 38, e12666.	4.5	83
23	A Cross-Layer Design for Dynamic Resource Management of VLC Networks. IEEE Transactions on Communications, 2021, 69, 1858-1867.	7.8	19
24	An energy-efficient cuckoo search algorithm for virtual machine placement in cloud computing data centers. Journal of Supercomputing, 2021, 77, 13330-13357.	3.6	14
25	Comparison of the arithmetic optimization algorithm, the slime mold optimization algorithm, the marine predators algorithm, the salp swarm algorithm for real-world engineering applications. Materialpruefung/Materials Testing, 2021, 63, 448-452.	2.2	37
26	Recent Advances in Mathematical Aspects of Engineering. Symmetry, 2021, 13, 811.	2.2	0
27	Energy and exergy assessment with updated Reistad estimates: A case study in the transportation sector of Bangladesh. Energy Science and Engineering, 2021, 9, 1349-1358.	4.0	13
28	A novel hybrid marine predators-Nelder-Mead optimization algorithm for the optimal design of engineering problems. Materialpruefung/Materials Testing, 2021, 63, 453-457.	2.2	11
29	On the Achievable Max-Min User Rates in Multi-Carrier Centralized NOMA-VLC Networks. Sensors, 2021, 21, 3705.	3.8	2
30	A comparative analysis of the queuing search algorithm, the sine-cosine algorithm, the ant lion algorithm to determine the optimal weight design problem of a spur gear drive system. Materialpruefung/Materials Testing, 2021, 63, 442-447.	2.2	9
31	A novel hybrid water wave optimization algorithm for solving complex constrained engineering problems. Materialpruefung/Materials Testing, 2021, 63, 560-564.	2.2	4
32	Composite Fading Model for Aerial MIMO FSO Links in the Presence of Atmospheric Turbulence and Pointing Errors. IEEE Wireless Communications Letters, 2021, 10, 1295-1299.	5.0	11
33	Optimization of constrained mechanical design problems using the equilibrium optimization algorithm. Materialpruefung/Materials Testing, 2021, 63, 552-559.	2.2	7
34	Hybrid Taguchi-Lévy flight distribution optimization algorithm for solving real-world design optimization problems. Materialpruefung/Materials Testing, 2021, 63, 547-551.	2.2	13
35	Finite-SNR Diversity Gain Analysis of FSO Systems over Gamma-Gamma Fading Channels With Pointing Errors. IEEE Communications Letters, 2021, 25, 1940-1944.	4.1	4
36	Distributed MIMO for Li-Fi: Channel Measurements, Ray Tracing and Throughput Analysis. IEEE Photonics Technology Letters, 2021, 33, 916-919.	2.5	28

#	Article	IF	Citations
37	Vehicular VLC: A Ray Tracing Study Based on Measured Radiation Patterns of Commercial Taillights. IEEE Photonics Technology Letters, 2021, 33, 904-907.	2.5	21
38	Reliable Recurrence Algorithm for High-Order Krawtchouk Polynomials. Entropy, 2021, 23, 1162.	2.2	29
39	Effect of scattering phase function on underwater visible light communication channel models. Physical Communication, 2021, 48, 101410.	2.1	3
40	Mathematical Analysis of Maxwell Fluid Flow through a Porous Plate Channel Induced by a Constantly Accelerating or Oscillating Wall. Mathematics, 2021, 9, 90.	2.2	23
41	Sinusoidal motion of small particles through a Darcy-Brinkman-Forchheimer microchannel filled with non-Newtonian fluid under electro-osmotic forces. Journal of Taibah University for Science, 2021, 15, 514-529.	2.5	50
42	Vehicular VLC Channel Model for a Low-Beam Headlight Transmitter. , 2021, , .		5
43	Performance Analysis and Optimization of Cascaded I2V and V2V VLC Links. , 2021, , .		10
44	Visible Light Communication-Based Outdoor Broadcasting. , 2021, , .		3
45	6G Wireless Communications Networks: A Comprehensive Survey. IEEE Access, 2021, 9, 148191-148243.	4.2	157
46	Hybrid RF/VLC Systems: A Comprehensive Survey on Network Topologies, Performance Analyses, Applications, and Future Directions. IEEE Access, 2021, 9, 160402-160436.	4.2	41
47	Allied Power Constraint Optimization and Optimal Beam Tracking Schemes for Mobile mmWave Massive MIMO Communications. IEEE Access, 2021, 9, 162243-162258.	4.2	1
48	Energy-Efficient Coverage Enhancement of Indoor THz-MISO Systems: An FD-NOMA Approach. , 2021, , .		3
49	Mathematical Analysis on an Asymmetrical Wavy Motion of Blood under the Influence Entropy Generation with Convective Boundary Conditions. Symmetry, 2020, 12, 102.	2.2	47
50	Joint bit and power loading for adaptive MIMO OFDM VLC systems. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3850.	3.9	15
51	Genetic Algorithm for the Mutual Information-Based Feature Selection in Univariate Time Series Data. IEEE Access, 2020, 8, 9597-9609.	4.2	11
52	Utilization of an OLED-Based VLC System in Office, Corridor, and Semi-Open Corridor Environments. Sensors, 2020, 20, 6869.	3.8	20
53	A Survey of Rate-Optimal Power Domain NOMA With Enabling Technologies of Future Wireless Networks. IEEE Communications Surveys and Tutorials, 2020, 22, 2192-2235.	39.4	234
54	An Improved Grasshopper Optimization Algorithm Based Echo State Network for Predicting Faults in Airplane Engines. IEEE Access, 2020, 8, 159773-159789.	4.2	21

#	Article	IF	Citations
55	Deep Reinforcement Based Power Allocation for the Max-Min Optimization in Non-Orthogonal Multiple Access. IEEE Access, 2020, 8, 211235-211247.	4.2	9
56	Vehicular Visible Light Communications: The Impact of Taillight Radiation Pattern. , 2020, , .		16
57	Channel Modelling for Light Communications: Validation of Ray Tracing by Measurements. , 2020, , .		23
58	Assessing the Theoretical Prospects of Bioethanol Production as a Biofuel from Agricultural Residues in Bangladesh: A Review. Sustainability, 2020, 12, 8583.	3.2	19
59	CoMP-Based Dynamic Handover for Vehicular VLC Networks. IEEE Communications Letters, 2020, 24, 2024-2028.	4.1	33
60	Channel Modelling and Performance Limits of Vehicular Visible Light Communication Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 6891-6901.	6.3	72
61	Channel modelling for indoor visible light communications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190187.	3.4	33
62	Energy, Exergy, and Sustainability Analyses of the Agricultural Sector in Bangladesh. Sustainability, 2020, 12, 4447.	3.2	28
63	Deep Q-Learning Based Optimization of VLC Systems With Dynamic Time-Division Multiplexing. IEEE Access, 2020, 8, 120375-120387.	4.2	6
64	Buoyancy Driven Flow with Gas-Liquid Coatings of Peristaltic Bubbly Flow in Elastic Walls. Coatings, 2020, 10, 115.	2.6	30
65	On the fractional-order model of HIV-1 infection of CD4^{+} T-cells under the influence of antiviral drug treatment. Journal of Taibah University for Science, 2020, 14, 50-59.	2.5	24
66	Hydrodynamics Interactions of Metachronal Waves on Particulate-Liquid Motion through a Ciliated Annulus: Application of Bio-Engineering in Blood Clotting and Endoscopy. Symmetry, 2020, 12, 532.	2.2	33
67	MAC Layer Performance of Multi-Hop Vehicular VLC Networks with CSMA/CA. , 2020, , .		13
68	Vehicle-to-Infrastructure Visible Light Communications: Channel Modelling and Capacity Calculations. , 2020, , .		7
69	Coverage of a shopping mall with flexible OLED-based visible light communications. Optics Express, 2020, 28, 10015.	3.4	20
70	A novel hybrid Harris hawks-simulated annealing algorithm and RBF-based metamodel for design optimization of highway guardrails. Materialpruefung/Materials Testing, 2020, 62, 251-260.	2.2	107
71	The Henry gas solubility optimization algorithm for optimum structural design of automobile brake components. Materialpruefung/Materials Testing, 2020, 62, 261-264.	2.2	72
72	Butterfly optimization algorithm for optimum shape design of automobile suspension components. Materialpruefung/Materials Testing, 2020, 62, 365-370.	2.2	69

#	Article	IF	Citations
73	Seagull optimization algorithm for solving real-world design optimization problems. Materialpruefung/Materials Testing, 2020, 62, 640-644.	2.2	88
74	Experimental Investigation of Lens Combinations on the Performance of Vehicular VLC. , 2020, , .		15
75	A Neighborhood Search-Based Heuristic for the Fixed Spectrum Frequency Assignment Problem. Arabian Journal for Science and Engineering, 2019, 44, 2985-2994.	3.0	4
76	Numerical Simulation and Mathematical Modeling of Electro-Osmotic Couetteâ€"Poiseuille Flow of MHD Power-Law Nanofluid with Entropy Generation. Symmetry, 2019, 11, 1038.	2.2	124
77	Resource Allocation for Visible Light Communication Systems Using Simulated Annealing Based on a Problem-Specific Neighbor Function. IEEE Access, 2019, 7, 64077-64091.	4.2	12
78	Prediction Using Cuckoo Search Optimized Echo State Network. Arabian Journal for Science and Engineering, 2019, 44, 9769-9778.	3.0	9
79	UAV-Based FSO Communications for High Speed Train Backhauling. , 2019, , .		17
80	Adaptive Unipolar MIMO-OFDM for Visible Light Communications. , 2019, , .		9
81	A Path Loss Model for Vehicle-to-Vehicle Visible Light Communications. , 2019, , .		27
82	Integrating sustainability analysis with sectoral exergy analysis: A case study of rural residential sector of Bangladesh. Energy and Buildings, 2019, 202, 109397.	6.7	34
83	Economic assessment and ranking of wind power potential using fuzzy-TOPSIS approach. Environmental Science and Pollution Research, 2019, 26, 22494-22511.	5.3	88
84	Effect of Wiring and Cabling Topologies on the Performance of Distributed MIMO OFDM VLC Systems. IEEE Access, 2019, 7, 52743-52754.	4.2	4
85	Optimal design of planetary gear train for automotive transmissions using advanced meta-heuristics. International Journal of Vehicle Design, 2019, 80, 121.	0.3	22
86	Vehicle-to-Vehicle Visible Light Communication: How to select receiver locations for optimal performance?. , 2019, , .		16
87	Simultaneous Lightwave Information and Power Transfer in Underwater Visible Light Communications. , 2019, , .		17
88	Performance Characterization of Underwater Visible Light Communication. IEEE Transactions on Communications, 2019, 67, 543-552.	7.8	131
89	FPGA-Based Accelerators of Deep Learning Networks for Learning and Classification: A Review. IEEE Access, 2019, 7, 7823-7859.	4.2	303
90	The Harris hawks, grasshopper and multi-verse optimization algorithms for the selection of optimal machining parameters in manufacturing operations. Materialpruefung/Materials Testing, 2019, 61, 725-733.	2.2	74

#	Article	IF	Citations
91	A new hybrid Harris hawks-Nelder-Mead optimization algorithm for solving design and manufacturing problems. Materialpruefung/Materials Testing, 2019, 61, 735-743.	2.2	98
92	Engineering simulated evolution for integrated power optimization in data centers. Soft Computing, 2018, 22, 3033-3048.	3.6	2
93	Underwater Visible Light Communications in Cascaded Gamma-Gamma Turbulence. , 2018, , .		20
94	An Optimization Heuristic Based on Non-Dominated Sorting and Tabu Search for the Fixed Spectrum Frequency Assignment Problem. IEEE Access, 2018, 6, 72635-72648.	4.2	10
95	Multi-User Visible Light Communications: State-of-the-Art and Future Directions. IEEE Access, 2018, 6, 70555-70571.	4.2	64
96	Applications of Metaheuristics in Reservoir Computing Techniques: A Review. IEEE Access, 2018, 6, 58012-58029.	4.2	36
97	Design of Fault Tolerant Adders: A Review. Arabian Journal for Science and Engineering, 2018, 43, 6667-6692.	3.0	7
98	Effect of Fog and Rain on the Performance of Vehicular Visible Light Communications. , 2018, , .		59
99	Unified Resource Allocation and Mobility Management Technique Using Particle Swarm Optimization for VLC Networks. IEEE Photonics Journal, 2018, 10, 1-9.	2.0	17
100	A Fault Tolerance Technique for Combinational Circuits Based on Selective-Transistor Redundancy. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2017, 25, 224-237.	3.1	32
101	IEEE 802.15.7r1 Reference Channel Models for Visible Light Communications. , 2017, 55, 212-217.		122
102	A Game Theory Based Post-Processing Method to Enhance VLSI Global Routers. IEEE Access, 2017, 5, 1328-1339.	4.2	7
103	A New Heuristic for the Data Clustering Problem. IEEE Access, 2017, 5, 6801-6812.	4.2	13
104	Finite-SNR Diversity-Multiplexing Tradeoff for Network Coded Cooperative OFDMA Systems. IEEE Transactions on Wireless Communications, 2017, 16, 1385-1396.	9.2	23
105	Optimal multi-dimensional vector bin packing using simulated evolution. Journal of Supercomputing, 2017, 73, 5516-5538.	3.6	4
106	Genetic algortihm based resource allocation technique for VLC networks. , 2017, , .		7
107	Link Adaptation for MIMO OFDM Visible Light Communication Systems. IEEE Access, 2017, 5, 26006-26014.	4.2	38
108	Centralized Light Access Network (C-LiAN): A Novel Paradigm for Next Generation Indoor VLC Networks. IEEE Access, 2017, 5, 19703-19710.	4.2	16

#	Article	IF	Citations
109	Effect of eddy diffusivity ratio on underwater optical scintillation index. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1969.	1.5	83
110	On the Performance of MIMO OFDM-Based Intra-Vehicular VLC Networks. , 2016, , .		8
111	Poster: On-board camera video transmission over vehicular VLC. , 2016, , .		5
112	Broadcasting brake lights with MIMO-OFDM based vehicular VLC. , 2016, , .		6
113	Novel Design of Heterogeneous Automation Controller Based on Real-Time Data Distribution Service Middleware to Avoid Obsolescence Challenges. Journal of Circuits, Systems and Computers, 2016, 25, 1650111.	1.5	2
114	Comparative performance evaluation of MIMO visible light communication systems. , 2016, , .		8
115	A stochastic evolution algorithm based 2D VLSI global router. The Integration VLSI Journal, 2016, 53, 115-125.	2.1	6
116	Diversity-Multiplexing Tradeoff for Log-Normal Fading Channels. IEEE Transactions on Communications, 2016, 64, 3119-3129.	7.8	18
117	Novel Design of Collaborative Automation Platform Using Real-Time Data Distribution Service Middleware for an Optimum Process Control Environment. Journal of Circuits, Systems and Computers, 2016, 25, 1650063.	1.5	4
118	Controlled access to cloud resources for mitigating Economic Denial of Sustainability (EDoS) attacks. Computer Networks, 2016, 97, 31-47.	5.1	40
119	Engineering a Memetic Algorithm from Discrete Cuckoo Search and Tabu Search for Cell Assignment of Hybrid Nanoscale CMOL Circuits. Journal of Circuits, Systems and Computers, 2016, 25, 1650023.	1.5	6
120	Cuckoo search based resource optimization of datacenters. Applied Intelligence, 2016, 44, 489-506.	5.3	49
121	Reconfiguration-Based Defect-Tolerant Design Automation for Hybrid CMOS/Nanofabrics Circuits Using Evolutionary and Non-Deterministic Heuristics. Arabian Journal for Science and Engineering, 2015, 40, 2515-2529.	1.1	6
122	Visible Light Communication for Vehicular Networking: Performance Study of a V2V System Using a Measured Headlamp Beam Pattern Model. IEEE Vehicular Technology Magazine, 2015, 10, 45-53.	3.4	138
123	Channel Modeling and Characterization for Visible Light Communications. IEEE Photonics Journal, 2015, 7, 1-16.	2.0	230
124	Engineering Simulated Evolution for Virtual Machine Assignment Problem. Applied Intelligence, 2015, 43, 296-307.	5.3	7
125	A Game Theory-Based Heuristic for the Two-Dimensional VLSI Global Routing Problem. Journal of Circuits, Systems and Computers, 2015, 24, 1550082.	1.5	8
126	Cells reconfiguration around defects in CMOS/nanofabric circuits using simulated evolution heuristic. , 2015, , .		3

#	Article	IF	Citations
127	State assignment for area minimization of sequential circuits based on cuckoo search optimization. Computers and Electrical Engineering, 2015, 44, 13-23.	4.8	13
128	Cell assignment in hybrid CMOS/nanodevices architecture using Tabu Search. Applied Intelligence, 2014, 40, 1-12.	5.3	15
129	A memory efficient stochastic evolution based algorithm for the multi-objective shortest path problem. Applied Soft Computing Journal, 2014, 14, 653-662.	7.2	14
130	Survey on Free Space Optical Communication: A Communication Theory Perspective. IEEE Communications Surveys and Tutorials, 2014, 16, 2231-2258.	39.4	1,606
131	Binary particle swarm optimization (BPSO) based state assignment for area minimization of sequential circuits. Applied Soft Computing Journal, 2013, 13, 4832-4840.	7.2	56
132	Tabu search based cells placement in nanofabric architectures with restricted connectivity. , 2013, , .		1
133	GMDH-based networks for intelligent intrusion detection. Engineering Applications of Artificial Intelligence, 2013, 26, 1731-1740.	8.1	41
134	Cell Assignment in Hybrid CMOS/Nanodevices Architecture Using a PSO/SA Hybrid Algorithm. Journal of Applied Research and Technology, 2013, 11, 653-664.	0.9	6
135	Efficient CMOL nanoscale hybrid circuit cell assignment using simulated evolution heuristic. , 2012, , .		2
136	Evaluating Qlogic's Dispersive Routing on High Performance Clusters. , 2012, , .		0
137	Multi-objective optimal path selection in electric vehicles. Artificial Life and Robotics, 2012, 17, 113-122.	1.2	12
138	Finding Multi-Objective Shortest Paths Using Memory-Efficient Stochastic Evolution Based Algorithm. , 2012, , .		1
139	FSM State-Encoding for Area and Power Minimization Using Simulated Evolution Algorithm. Journal of Applied Research and Technology, 2012, 10, .	0.9	9
140	Multi-constrained route optimization for Electric Vehicles (EVs) using Particle Swarm Optimization (PSO). , 2011, , .		27
141	Multi-Hop Coherent Free-Space Optical Communications over Atmospheric Turbulence Channels. IEEE Transactions on Communications, 2011, 59, 1657-1663.	7.8	42
142	Exploring Asynchronous MMC-Based Parallel SA Schemes for Multiobjective Cell Placement on a Cluster of Workstations. Arabian Journal for Science and Engineering, 2011, 36, 259-278.	1.1	3
143	Evaluating BLAST Runtime Using NAS-Based High Performance Clusters. , 2011, , .		3
144	Multi constrained Route Optimization for Electric Vehicles using SimE. , 2011, , .		11

#	Article	IF	Citations
145	OSPF Weight Setting Optimization for Single Link Failures. International Journal of Computer Networks and Communications, 2011, 3, 168-183.	0.3	8
146	Optical wireless links with spatial diversity over strong atmospheric turbulence channels. IEEE Transactions on Wireless Communications, 2009, 8, 951-957.	9.2	398
147	Minimizing the Number of Congested Links in OSPF Routing. , 2008, , .		2
148	Algorithm for parallel inverse halftoning using partitioning of Look-Up Table (LUT). , 2008, , .		4
149	Parallel Strategies for Stochastic Evolution. , 2007, , .		0
150	Evaluating Parallel Simulated Evolution Strategies for VLSI Cell Placement. Mathematical Modelling and Algorithms, 2007, 6, 433-454.	0.5	6
151	Parallel Strategies for Stochastic Evolution. , 2007, , .		0
152	Computing Optimized NURBS Curves using Simulated Evolution on Control Parameters. Advances in Intelligent and Soft Computing, 2006, , 35-44.	0.2	1
153	Efficient Static Compaction Techniques for Sequential Circuits Based on Reverse-Order Restoration and Test Relaxation. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2006, 25, 2556-2564.	2.7	5
154	Evolutionary algorithms for VLSI multi-objective netlist partitioning. Engineering Applications of Artificial Intelligence, 2006, 19, 257-268.	8.1	12
155	SimEâ•TS fuzzy hybrid for multiobjective VLSI placement. Electronics Letters, 2006, 42, 364.	1.0	0
156	Engineering Evolutionary Algorithm to Solve Multi-objective OSPF Weight Setting Problem. Lecture Notes in Computer Science, 2006, , 950-955.	1.3	8
157	A Parallel Tabu Search Algorithm for Optimizing Multiobjective VLSI Placement. Lecture Notes in Computer Science, 2005, , 587-595.	1.3	4
158	Multiobjective VLSI cell placement using distributed genetic algorithm. , 2005, , .		8
159	Comparative evaluation of parallelization strategies for evolutionary and stochastic heuristics. , 2005, , .		1
160	Efficient Static Compaction Techniques for Sequential Circuits Based on Reverse Order Restoration and Test Relaxation. , 2005, , .		2
161	E-Commerce in Saudi Arabia: adoption and perspectives. Australasian Journal of Information Systems, 2004, 12, .	0.3	26
162	Simulated evolution for timing and low power VLSI standard cell placement. Engineering Applications of Artificial Intelligence, 2003, 16, 407-423.	8.1	4

#	Article	IF	Citations
163	Fuzzy simulated evolution algorithm for VLSI cell placement. Computers and Industrial Engineering, 2003, 44, 227-247.	6.3	7
164	Tabu search based circuit optimization. Engineering Applications of Artificial Intelligence, 2002, 15, 357-368.	8.1	3
165	Topology design of switched enterprise networks using a fuzzy simulated evolution algorithm. Engineering Applications of Artificial Intelligence, 2002, 15, 327-340.	8.1	22
166	A simulated evolution approach to task matching and scheduling in heterogeneous computing environments. Engineering Applications of Artificial Intelligence, 2002, 15, 491-500.	8.1	3
167	QoS-driven multicast tree generation using Tabu search. Computer Communications, 2002, 25, 1140-1149.	5.1	44
168	Parallelizing Tabu Search on a Cluster of Heterogeneous Workstations. Journal of Heuristics, 2002, 8, 277-304.	1.4	6
169	Evolutionary algorithms, simulated annealing and tabu search: a comparative study. Engineering Applications of Artificial Intelligence, 2001, 14, 167-181.	8.1	127
170	Fuzzy Evolutionary Hybrid Metaheuristic for Network Topology Design. Lecture Notes in Computer Science, 2001, , 400-415.	1.3	7
171	A novel technique for fast multiplication. International Journal of Electronics, 1999, 86, 67-77.	1.4	1
172	CMOS/BiCMOS mixed design using tabu search. Electronics Letters, 1998, 34, 1395.	1.0	3
173	<title>Evolutionary algorithms, simulated annealing, and Tabu search: a comparative study</title>. , 1998, , .		63
174	<title>Fuzzy genetic algorithms for floorplanning</title>. , 1997, , .		2
175	The architecture of a highly reconfigurable RISC dataflow array processor. International Journal of Electronics, 1997, 83, 493-518.	1.4	1
176	Timing-influenced general-cell genetic floorplanner. Microelectronics Journal, 1997, 28, 151-166.	2.0	3
177	Scheduling and allocation in high-level synthesis using stochastic techniques. Microelectronics Journal, 1996, 27, 693-712.	2.0	12
178	Designing ASICs with UAHPL. IEEE Circuits and Devices: the Magazine of Electronic and Photonic Systems, 1995, 11, 14-24.	0.4	0
179	VLSI design and implementation of systolic tree queues. Microprocessors and Microsystems, 1995, 19, 139-146.	2.8	0
180	Efficient network folding techniques for routing permutations in VLSI. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 1995, 3, 254-263.	3.1	0

#	Article	IF	Citations
181	Hardware design and VLSI implementation of a byte-wise CRC generator chip. IEEE Transactions on Consumer Electronics, 1995, 41, 195-200.	3.6	11
182	Genetic scheduling of task graphs. International Journal of Electronics, 1994, 77, 401-415.	1.4	19
183	GAP: a genetic algorithm approach to optimize two-bit decoder PLAs. International Journal of Electronics, 1994, 76, 99-106.	1.4	6
184	VLSI layout generation of a programmable CRC chip. IEEE Transactions on Consumer Electronics, 1993, 39, 911-916.	3.6	3
185	Architecture to store path history in a trellis and its application to Viterbi decoding. International Journal of Electronics, 1992, 72, 11-19.	1.4	1
186	PCB layout generation from RTL specifications. International Journal of Electronics, 1992, 72, 1-10.	1.4	0
187	Integrating UAHPL-DA systems with VLSI design tools to support VLSI DA courses. IEEE Transactions on Education, 1992, 35, 321-330.	2.4	5
188	State machine synthesis with Weinberger arrays. International Journal of Electronics, 1991, 71, 1-12.	1.4	0
189	Efficient algorithm for Weinberger array folding. International Journal of Electronics, 1990, 69, 509-518.	1.4	2
190	Automatic Weinberger array synthesis from UAHPL description. International Journal of Electronics, 1990, 69, 211-224.	1.4	4
191	A general real-time decoder based on amd2900 devices. Microprocessing and Microprogramming, 1988, 22, 97-113.	0.2	1
192	CAD tool for the automatic generation of microprograms. Microprocessors and Microsystems, 1988, 12, 463-470.	2.8	2
193	Design of a programmable length FIFO memory and its controller. International Journal of Electronics, 1988, 65, 923-932.	1.4	1
194	Bit-slice microprocessor-based communications decoder. Microprocessors and Microsystems, 1987, 11, 527-533.	2.8	0
195	Universal AHPL â€" A language for VLSI design automation. IEEE Circuits and Devices: the Magazine of Electronic and Photonic Systems, 1986, 2, 8-13.	0.4	16
196	Tabu search based circuit optimization. , 0, , .		1
197	Fuzzy simulated evolution algorithm for topology design of campus networks. , 0, , .		7
198	Adaptive bias simulated evolution algorithm for placement. , 0, , .		6

#	Article	IF	Citations
199	A fast constructive algorithm for fixed channel assignment problem. , 0, , .		2
200	Fuzzy biasless simulated evolution for multiobjective VLSI placement. , 0, , .		5
201	HPTS: heterogeneous parallel tabu search for VLSI placement. , 0, , .		4
202	Performance and low power driven VLSI standard cell placement using tabu search. , 0, , .		7
203	Fuzzy aggregating functions for multiobjective VLSI placement. , 0, , .		7
204	Multiobjective VLSI Cell Placement Using Distributed Simulated Evolution Algorithm. , 0, , .		8
205	Parallel Algorithm for Hardware Implementation of Inverse Halftoning. , 0, , .		1
206	Asynchronous MMC based Parallel SA Schemes for Multiobjective Standard Cell Placement. , 0, , .		5