Nadia Nedjah

List of Publications by Year
in descending order

240	1,833	393982	433756
papers	citations	19 h-index	31 g-index

269	269	269	1371
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A statistical approach to secure health care services from DDoS attacks during COVID-19 pandemic. Neural Computing and Applications, 2024, 36, 1-14.	3.2	16
2	Sentiment analysis using convolutional neural network via word embeddings. Evolutionary Intelligence, 2022, 15, 2295-2319.	2.3	11
3	Vehicle and Pedestrian Detection Algorithm Based on Lightweight YOLOv3-Promote and Semi-Precision Acceleration. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19760-19771.	4.7	34
4	Application-specific word embeddings for hate and offensive language detection. Multimedia Tools and Applications, 2022, 81, 27111-27136.	2.6	1
5	Smart defense against distributed Denial of service attack in IoT networks using supervised learning classifiers. Computers and Electrical Engineering, 2022, 98, 107726.	3.0	24
6	Deep convolutional neural network applied to Trypanosoma cruzi detection in blood samples. International Journal of Bio-Inspired Computation, 2022, 19, 1.	0.6	2
7	An Efficient and Secure Identity-Based Signature System for Underwater Green Transport System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16161-16169.	4.7	11
8	Sustainable maintenance of power transformers using computational intelligence. , 2022, 1, 100001.		23
9	Active redundant hardware architecture for increased reliability in FPGA-based nuclear reactors critical systems. Microprocessors and Microsystems, 2022, 90, 104495.	1.8	0
10	Improved publicly verifiable auditing protocol for cloud storage. Concurrency Computation Practice and Experience, 2021, 33, e6049.	1.4	2
11	Bio-Inspired Scan Matching for Efficient Simultaneous Localization and Mapping. Lecture Notes in Computer Science, 2021, , 350-365.	1.0	0
12	Inspiration-wise swarm intelligence meta-heuristics for continuous optimisation: a survey - part III. International Journal of Bio-Inspired Computation, 2021, 17, 199.	0.6	0
13	An efficient distributed approach for a <scp>selfâ€healing</scp> smart grid using minimal spanning tree. International Journal of Energy Research, 2021, 45, 15049-15084.	2.2	3
14	Communication optimization for efficient dynamic task allocation in swarm robotics. Applied Soft Computing Journal, 2021, 105, 107297.	4.1	8
15	Enhancing big data security through integrating XSS scanner into fog nodes for SMEs gain. Technological Forecasting and Social Change, 2021, 168, 120754.	6.2	19
16	A novel metaheuristic inspired by Hitchcock birdsâ€™ behavior for efficient optimization of large search spaces of high dimensionality. Soft Computing, 2020, 24, 5633-5655.	2.1	6
17	Detection and classification of pulmonary nodules using deep learning and swarm intelligence. Multimedia Tools and Applications, 2020, 79, 15437-15465.	2.6	29
18	Active Redundant Hardware Architecture for Increased Reliability in FPGA-Based Nuclear Reactors Critical Systems. , 2020, , .		0

#	Article	IF	Citations
19	Inspiration-wise swarm intelligence meta-heuristics for continuous optimisation: a survey - part I. International Journal of Bio-Inspired Computation, 2020, 15, 207.	0.6	14
20	Simultaneous localization and mapping using swarm intelligence based methods. Expert Systems With Applications, 2020, 159, 113547.	4.4	18
21	Inspiration-wise swarm intelligence meta-heuristics for continuous optimisation: a survey - part II. International Journal of Bio-Inspired Computation, 2020, 16, 195.	0.6	6
22	Communication Optimization for Efficient Dynamic Task Allocation in Swarm Robotics. Lecture Notes in Computer Science, 2020, , 110-124.	1.0	0
23	Application Mapping onto 3D NoCs Using Differential Evolution. Lecture Notes in Computer Science, 2020, , 89-102.	1.0	3
24	Inspiration-wise swarm intelligence meta-heuristics for continuous optimisation: a survey - part II. International Journal of Bio-Inspired Computation, 2020, 16, 195.	0.6	0
25	Review of methodologies and tasks in swarm robotics towards standardization. Swarm and Evolutionary Computation, 2019, 50, 100565.	4.5	74
26	Efficient Application Mapping onto Three-Dimensional Network-on-Chips Using Multi-Objective Particle Swarm Optimization. Lecture Notes in Computer Science, 2019, , 654-670.	1.0	3
27	Accelerating Template Matching for Efficient Object Tracking. , 2019, , .		0
28	Lung Nodule Diagnosis via Deep Learning and Swarm Intelligence. Lecture Notes in Computer Science, 2019, , 89-101.	1.0	2
29	Resilient Hardware Design for Critical Systems. , 2019, , .		4
30	A deep increasingâ€“decreasing-linear neural network for financial time series prediction. Neurocomputing, 2019, 347, 59-81.	3.5	30
31	Co-design System for Tracking Targets Using Template Matching. , 2019, , 227-246.		2
32	Efficient fingerprint matching on smart cards for high security and privacy in smart systems. Information Sciences, 2019, 479, 622-639.	4.0	15
33	Automatic generation of harmonious music using cellular automata based hardware design. The Integration VLSI Journal, 2018, 62, 205-223.	1.3	3
34	Evolutionary-morphological learning machines for high-frequency financial time series prediction. Swarm and Evolutionary Computation, 2018, 42, 1-15.	4.5	6
35	Visual data mining for crowd anomaly detection using artificial bacteria colony. Multimedia Tools and Applications, 2018, 77, 17755-17777.	2.6	12
36	Co-design system for template matching using dedicated co-processor and modified elephant herding optimization. , 2018, , .		3

#	Article	IF	Citations
37	IP assignment for efficient NoC-based system design using multi-objective particle swarm optimisation. International Journal of Bio-Inspired Computation, 2018, 12, 203.	0.6	12
38	Core/Task Associations for Efficient Application Implementation on Network-on-Chip. , 2018, , .		1
39	Hitchcock Birds Inspired Algorithm. Lecture Notes in Computer Science, 2018, , 169-180.	1.0	3
40	Embedded implementation of template matching using correlation and particle swarm optimisation. International Journal of Bio-Inspired Computation, 2018, 11, 102.	0.6	6
41	Hardware/Software Co-design for Template Matching Using Cuckoo Search Optimization. Lecture Notes in Computer Science, 2018, , 16-21.	1.0	1
42	IP assignment for efficient NoC-based system design using multi-objective particle swarm optimisation. International Journal of Bio-Inspired Computation, 2018, 12, 203.	0.6	2
43	Co-Design System for Template Matching Using Dedicated Co-Processor and Cuckoo Search. International Journal of Swarm Intelligence Research, 2018, 9, 58-74.	0.5	1
44	Wave algorithm applied to collective navigation of robotic swarms. Applied Soft Computing Journal, 2017, 57, 698-707.	4.1	10
45	Efficient yet robust biometric iris matching on smart cards for data high security and privacy. Future Generation Computer Systems, 2017, 76, 18-32.	4.9	25
46	Efficient biometric palm-print matching on smart-cards for high security and privacy. Multimedia Tools and Applications, 2017, 76, 22671-22701.	2.6	7
47	A Fine-Grained Parallel Particle Swarm Optimization on Many-core and Multi-core Architectures. Lecture Notes in Computer Science, 2017, , 215-224.	1.0	2
48	Crowd Anomaly Detection Based on Optical Flow, Artificial Bacteria Colony and Kohonenâ€™s Neural Network. Lecture Notes in Computer Science, 2017, , 329-344.	1.0	1
49	Online phoneme recognition using multi-layer perceptron networks combined with recurrent non-linear autoregressive neural networks with exogenous inputs. Neurocomputing, 2017, 265, 78-90.	3.5	19
50	Co-design system for template matching using dedicated co-processor and particle swarm optimization. , 2017, , .		3
51	Distributed and resilient localization algorithm for Swarm Robotic Systems. Applied Soft Computing Journal, 2017, 57, 738-750.	4.1	17
52	Fully Scalable Parallel Hardware for Wheeled Robot Navigation Using Fuzzy Control. Studies in Computational Intelligence, 2017, , 69-85.	0.7	0
53	Robust distributed spatial clustering for swarm robotic based systems. Applied Soft Computing Journal, 2017, 57, 727-737.	4.1	4
54	Sentiment analysis using convolutional neural network with fastText embeddings. , 2017, , .		49

#	Article	IF	Citations
55	Crowd abnormal detection using artificial bacteria colony and Kohonen's neural network. , 2017, , .		1
56	Encodings and genetic operators for efficient evolutionary design of digital circuits. International Journal of Bio-Inspired Computation, 2017, 9, 197.	0.6	2
57	Tracking Patterns with Particle Swarm Optimization and Genetic Algorithms. International Journal of Swarm Intelligence Research, 2017, 8, 34-49.	0.5	1
58	Parallel Ray Tracing for Underwater Acoustic Predictions. Lecture Notes in Computer Science, 2017, , 43-55.	1.0	2
59	Embedded Implementation of Template Matching Using Correlation and Particle Swarm Optimization. Lecture Notes in Computer Science, 2016, , 530-539.	1.0	3
60	Multi-hop Localization Method Based on Tribes Algorithm. Lecture Notes in Computer Science, 2016, , 156-170.	1.0	1
61	Online pattern recognition for Portuguese phonemes using Multi-layer Perceptron combined with recurrent non-linear autoregressive Neural Networks with exogenous inputs. , 2016, , .		2
62	Hardware/software co-design system for template matching using Particle Swarm Optimization and Pearson's Correlation Coefficient. , 2016, , .		1
63	Parallel Implementations of the Cooperative Particle Swarm Optimization on Many-core and Multi-core Architectures. International Journal of Parallel Programming, 2016, 44, 1173-1199.	1.1	11
64	Preface to the Special Issue on Sequential Code Parallelization. International Journal of Parallel Programming, 2016, 44, 1099-1101.	1.1	0
65	Distributed strategy for robots recruitment in swarm-based systems. International Journal of Bio-Inspired Computation, 2016, 8, 99.	0.6	8
66	Efficient Strategy for Collective Navigation Control in Swarm Robotics. Procedia Computer Science, 2016, 80, 814-823.	1.2	14
67	Particle, Dimension and Cooperation-Oriented PSO Parallelization Strategies for Efficient High-Dimension Problem Optimizations on Graphics Processing Units. Computer Journal, 2016, 59, 810-835.	1.5	7
68	A massively parallel pipelined reconfigurable design for M-PLN based neural networks for efficient image classification. Neurocomputing, 2016, 183, 39-55.	3.5	9
69	A Parallel Yet Pipelined Architecture for Efficient Implementation of the Advanced Encryption Standard Algorithm on Reconfigurable Hardware. International Journal of Parallel Programming, 2016, 44, 1102-1117.	1.1	3
70	Distributed efficient localization in swarm robotics using Minâ€“Max and Particle Swarm Optimization. Expert Systems With Applications, 2016, 50, 55-65.	4.4	16
71	Distributed efficient localization in swarm robotic systems using swarm intelligence algorithms. Neurocomputing, 2016, 172, 322-336.	3.5	41
72	Efficient distributed algorithm of dynamic task assignment for swarm robotics. Neurocomputing, 2016, 172, 345-355.	3.5	17

#	Article	IF	Citations
73	Soft computing in big data intelligent transportation systems. Applied Soft Computing Journal, 2016, 38, 1099-1108.	4.1	64
74	Codem: software/hardware codesign for embedded multicore systems supporting hardware services. International Journal of Electronics, 2015, 102, 32-47.	0.9	2
75	Genetic and backtracking search optimisation algorithms applied to localisation problems. International Journal of Innovative Computing and Applications, 2015, 6, 223.	0.2	3
76	Evolutionary multi-objective optimisation: a survey. International Journal of Bio-Inspired Computation, 2015, 7, 1.	0.6	68
77	Multiprocessor system on chip with shared memory using crossbar topology. International Journal of Electronics, 2015, 102, 107-126.	0.9	0
78	PSO-based Distributed Algorithm for Dynamic Task Allocation in a Robotic Swarm. Procedia Computer Science, 2015, 51, 326-335.	1.2	30
79	Efficient Spacial Clustering in Swarm Robotics. Lecture Notes in Computer Science, 2015, , 14-27.	1.0	1
80	Automatic complex instruction identification for efficient application mapping onto application-specific instruction set processors. Analog Integrated Circuits and Signal Processing, 2015, 85, 139-158.	0.9	0
81	Multi-hop Collaborative Min-Max localization. , 2015, , .		2
82	Reconfigurable and adaptive computing. International Journal of Electronics, 2015, 102, 1-2.	0.9	6
83	Wave Algorithm for Recruitment in Swarm Robotics. Lecture Notes in Computer Science, 2015, , 3-13.	1.0	3
84	UtilizaÃ§Ã£o de OtimizaÃ§Ã£o por Enxame de PartÃculas e Algoritmos GenÃ©ticos em Rastreamento de PadrÃµes. , 2015, , .		5
85	Codem: Software/Hardware Codesign for Embedded Multicore Systems Supporting Hardware Services. , 2015, , 169-190.		0
86	Ant Colony Routing for Latency Reduction in 3D Networks-on-Chip. , 2015, , 145-166.		0
87	An Efficient Parallel Yet Pipelined Reconfigurable Architecture for M-PLN Weightless Neural Networks. , 2014, , .		3
88	A framework for automatic custom instruction identification on multi-issue ASIPs. , 2014, , .		1
89	Reconfigurable hardware architecture for music generation using cellular automata. , 2014, , .		1
90	Agrupamiento espacial eficiente en ζ ≥ 2 clases para robótica de enjambre. , 2014, , .		1

#	Article	IF	Citations
91	Hardware for Soft Computing and Soft Computing for Hardware. Studies in Computational Intelligence, 2014, , .	0.7	3
92	Automatic complex instruction identification for efficient application mapping onto ASIPs. , 2014, , .		3
93	A hardware accelerator for Particle Swarm Optimization. Applied Soft Computing Journal, 2014, 14, 347-356.	4.1	31
94	Customizable hardware design of fuzzy controllers applied to autonomous car driving. Expert Systems With Applications, 2014, 41, 7046-7060.	4.4	13
95	Amdahl's and Hill-Marty laws revisited for FPGA-based MPSoCs: from theory to practice. International Journal of High Performance Systems Architecture, 2014, 5, 115.	0.2	2
96	Routing in Network-on-Chips Using Ant Colony Optimization. Studies in Computational Intelligence, 2014, , 173-198.	0.7	1
97	A Reconfigurable Hardware for Particle Swarm Optimization. Studies in Computational Intelligence, 2014, , 29-42.	0.7	1
98	Efficient Biometric Palm-Print Matching on Smart-Cards. Lecture Notes in Computer Science, 2014, , 236-247.	1.0	3
99	Distributed Efficient Node Localization in Wireless Sensor Networks Using the Backtracking Search Algorithm. Lecture Notes in Computer Science, 2014, , 794-808.	1.0	3
100	Reconfigurable Hardware for DNA Matching. Studies in Computational Intelligence, 2014, , 103-115.	0.7	0
101	A Reconfigurable Hardware for Artificial Neural Networks. Studies in Computational Intelligence, 2014, , 59-69.	0.7	0
102	Synchronous Finite State Machines Design with Quantum-Inspired Evolutionary Computation. Studies in Computational Intelligence, 2014, , 119-154.	0.7	0
103	Particle Swarm Optimization on Crossbar Based MPSoC. Studies in Computational Intelligence, 2014, , 43-57.	0.7	0
104	Application Mapping in Network-on-Chip Using Evolutionary Multi-objective Optimization. Studies in Computational Intelligence, 2014, , 155-171.	0.7	2
105	Genetic Algorithms on Network-on-Chip. Studies in Computational Intelligence, 2014, , 15-27.	0.7	0
106	A Reconfigurable Hardware for Subtractive Clustering. Studies in Computational Intelligence, 2014, , 91-102.	0.7	0
107	A Reconfigurable Hardware for Genetic Algorithms. Studies in Computational Intelligence, 2014, , 3-13.	0.7	0
108	Congestion-aware ant colony based routing algorithms for efficient application execution on Network-on-Chip platform. Expert Systems With Applications, 2013, 40, 6661-6673.	4.4	18

#	Article	IF	Citations
109	Hardware reuse in modern application-specific processors and accelerators. Microprocessors and Microsystems, 2013, 37, 684-692.	1.8	1
110	Hardware implementation of subtractive clustering for radionuclide identification. The Integration VLSI Journal, 2013, 46, 220-229.	1.3	1
111	ACO approach in static routing for network-on-chips with 3D mesh topology. , 2013, , .		2
112	High-throughput cryptographic system using window-based modular exponentiation for secure communications. Telecommunication Systems, 2013, 54, 345-357.	1.6	2
113	A scalable parallel reconfigurable hardware architecture for DNA matching. , 2013, , .		1
114	Parallel processing of intersections for ray-tracing in application-specific processors and GPGPUs. Microprocessors and Microsystems, 2013, 37, 739-749.	1.8	0
115	A scalable parallel reconfigurable hardware architecture for DNA matching. The Integration VLSI Journal, 2013, 46, 240-246.	1.3	2
116	Massively parallel scalable reconfigurable hardware for fuzzy controllers. , 2013, , .		0
117	A Cooperative Parallel Particle Swarm Optimization for High-Dimension Problems on GPUs. , 2013, , .		2
118	Parallel GPU-based implementation of high dimension Particle Swarm Optimizations. , 2013, , .		22
119	Efficient hardware implementation of Ray Tracing based on an embedded software for intersection computation. Journal of Systems Architecture, 2013, 59, 176-185.	2.5	4
120	Routing for applications in NoC using ACO-based algorithms. Applied Soft Computing Journal, 2013, 13, 2224-2231.	4.1	10
121	Efficient hardware architecture for embedded radionuclide identification. , 2013, , .		0
122	Reconfigurable hardware for fuzzy controller. International Journal of High Performance Systems Architecture, 2013, 4, 144.	0.2	1
123	Services-oriented URL filtering and verification. International Journal of High Performance Systems Architecture, 2013, 4, 183.	0.2	1
124	Three Alternatives for Parallel GPU-Based Implementations of High Performance Particle Swarm Optimization. Lecture Notes in Computer Science, 2013, , 241-252.	1.0	2
125	Interactive Volume Rendering Based on Ray-Casting for Multi-core Architectures. Lecture Notes in Computer Science, 2013, , 177-186.	1.0	0
126	Introduction to the special section on self-adaptive systems. ACM Transactions on Autonomous and Adaptive Systems, 2012, 7, 1-4.	0.4	3

#	Article	IF	Citations
127	Massively parallel modular exponentiation method and its implementation in software and hardware for high-performance cryptographic systems. IET Computers and Digital Techniques, 2012, 6, 290-301.	0.9	14
128	Static routing for applications mapped on NoC platform using ant colony algorithms. International Journal of High Performance Systems Architecture, 2012, 4, 57.	0.2	2
129	A massively parallel reconfigurable co-processor for computationally demanding Particle Swarm Optimization. , 2012, , .		5
130	Preference-based multi-objective evolutionary algorithms for power-aware application mapping on NoC platforms. Expert Systems With Applications, 2012, 39, 2771-2782.	4.4	17
131	Compact yet efficient hardware implementation of artificial neural networks with customized topology. Expert Systems With Applications, 2012, 39, 9191-9206.	4.4	23
132	Parallel modular exponentiation using load balancing without precomputation. Journal of Computer and System Sciences, 2012, 78, 575-582.	0.9	78
133	An efficient parallel architecture for ray-tracing. Analog Integrated Circuits and Signal Processing, 2012, 70, 189-202.	0.9	1
134	Swarm Grid: A Proposal for High Performance of Parallel Particle Swarm Optimization Using GPGPU. Lecture Notes in Computer Science, 2012, , 148-160.	1.0	10
135	ACO-Based Static Routing for Network-on-Chips. Lecture Notes in Computer Science, 2012, , 113-124.	1.0	2
136	Static Packet Routing in NoC Platform Using ACO-Based Algorithms. Lecture Notes in Computer Science, 2012, , 84-91.	1.0	3
137	The Effect of Intelligent Escape on Distributed SER-Based Search. Lecture Notes in Computer Science, 2012, , 101-112.	1.0	0
138	A Discrete Differential Evolution Approach with Local Search for Traveling Salesman Problems. Studies in Computational Intelligence, 2011, , 1-12.	0.7	3
139	A hardware architecture for subtractive clustering. International Journal of High Performance Systems Architecture, 2011, 3, 167.	0.2	2
140	Parallel co-processor for PSO. International Journal of High Performance Systems Architecture, 2011, 3, 233.	0.2	8
141	Quantum-inspired design of resilient substitution boxes: From coding to hardware implementation. Applied Soft Computing Journal, 2011, 11, 4312-4320.	4.1	0
142	High-performance SoC-based implementation of modular exponentiation using evolutionary addition chains for efficient cryptography. Applied Soft Computing Journal, 2011, 11, 4302-4311.	4.1	17
143	Adaptive incremental learning in neural networks. Neurocomputing, 2011, 74, 1783-1784.	3.5	8
144	Customized computer-aided application mapping on NoC infrastructure using multi-objective optimization. Journal of Systems Architecture, 2011, 57, 79-94.	2.5	25

#	Article	IF	Citations
145	A Parallel Ray Tracing Architecture Suitable for Application-Specific Hardware and GPGPU Implementations. , 2011, , .		4
146	Hardware Reuse in Modern Application-Specific Processors and Accelerators. , 2011, , .		3
147	A parallel architecture for ray-tracing with an embedded intersection algorithm. , 2011, , .		1
148	EDITORIAL: DEDICATED HARDWARE FOR NEURAL AND FUZZY SYSTEMS. Journal of Circuits, Systems and Computers, 2011, 20, iii-iv.	1.0	0
149	HARDWARE IMPLEMENTATIONS OF MLP ARTIFICIAL NEURAL NETWORKS WITH CONFIGURABLE TOPOLOGY. Journal of Circuits, Systems and Computers, 2011, 20, 417-437.	1.0	0
150	ANALOG HARDWARE IMPLEMENTATIONS OF ARTIFICIAL NEURAL NETWORKS. Journal of Circuits, Systems and Computers, 2011, 20, 349-373.	1.0	7
151	Compact yet efficient hardware architecture for multilayer-perceptron neural networks. Controle and Automacao, 2011, 22, 647-663.	0.2	2
152	Massively Parallel Identification of Intersection Points for GPGPU Ray Tracing. Lecture Notes in Computer Science, 2011, , 14-23.	1.0	0
153	Reconfigurable Hardware to Radionuclide Identification Using Subtractive Clustering. Lecture Notes in Computer Science, 2011, , 387-398.	1.0	0
154	Modern development methods and tools for embedded reconfigurable systems: A survey. The Integration VLSI Journal, 2010, 43, 1-33.	1.3	73
155	A Massively Parallel Hardware for Modular Exponentiations Using the m-ary Method. Lecture Notes in Computer Science, 2010, , 156-165.	1.0	0
156	Power-aware multi-objective evolutionary optimisation for application mapping on network-on-chip platforms. International Journal of Electronics, 2010, 97, 1163-1179.	0.9	14
157	Special issue of International Journal of Electronics on evolutionary synthesis of network-on-chip-based systems. International Journal of Electronics, 2010, 97, 1137-1138.	0.9	0
158	A parallel architecture for Ray-Tracing. , 2010, , .		5
159	Migration selection of strategies for parallel genetic algorithms: implementation on networks on chips. International Journal of Electronics, 2010, 97, 1227-1240.	0.9	12
160	M-ary parallel modular exponentiation: Software vs. hardware. , 2010, , .		1
161	Multiobjective Gaussian Particle Swarm Approach Applied to Multi-loop PI Controller Tuning of a Quadruple-Tank System. Studies in Computational Intelligence, 2010, , 1-16.	0.7	3
162	A Parallel Genetic Algorithm on a Multi-Processor System-on-Chip. Lecture Notes in Computer Science, 2010, , 164-172.	1.0	3

#	Article	IF	Citations
163	Power-Aware Multi-objective Evolutionary Optimization for Application Mapping on NoC Platforms. Lecture Notes in Computer Science, 2010, , 143-152.	1.0	1
164	Automatic Adaptive Modeling of Fuzzy Systems Using Particle Swarm Optimization. Lecture Notes in Computer Science, 2010, , 71-84.	1.0	1
165	Automatic Modeling of Fuzzy Systems Using Particle Swarm Optimization. Lecture Notes in Computer Science, 2010, , 35-42.	1.0	0
166	Evolutionary IP assignment for efficient NoC-based system design using multi-objective optimization. , 2009, , .		0
167	Optimal IP Assignment for Efficient NoC-based System Implementation using NSGA-II and MicroGA. International Journal of Computational Intelligence Systems, 2009, 2, 115-123.	1.6	10
168	A HARDWARE/SOFTWARE CO-DESIGN VERSUS HARDWARE-ONLY IMPLEMENTATION OF MODULAR EXPONENTIATION USING THE SLIDING-WINDOW METHOD. Journal of Circuits, Systems and Computers, 2009, 18, 295-310.	1.0	7
169	MODERN ARCHITECTURES FOR EMBEDDED RECONFIGURABLE SYSTEMS â€" A SURVEY. Journal of Circuits, Systems and Computers, 2009, 18, 209-254.	1.0	19
170	Dynamic MAC-based architecture of artificial neural networks suitable for hardware implementation on FPGAs. Neurocomputing, 2009, 72, 2171-2179.	3.5	34
171	High-Performance Hardware of the Sliding-Window Method for Parallel Computation of Modular Exponentiations. International Journal of Parallel Programming, 2009, 37, 537-555.	1.1	19
172	GridRT: A Massively Parallel Architecture for Ray-Tracing Using Uniform Grids. , 2009, , .		8
173	Optimal Application Mapping on NoC Infrastructure using NSGA-II and MicroGA. , 2009, , .		4
174	A massively parallel hardware architecture for ray-tracing. International Journal of High Performance Systems Architecture, 2009, 2, 26.	0.2	6
175	Efficient mapping of an image processing application for a network-on-chip based implementation. International Journal of High Performance Systems Architecture, 2009, 2, 46.	0.2	9
176	Application Synthesis for MPSoCs Implementation Using Multiobjective Optimization. Lecture Notes in Computer Science, 2009, , 736-743.	1.0	2
177	Optimal IP Assignment for Efficient NoC-based System Implementation using NSGA-II and MicroGA. International Journal of Computational Intelligence Systems, 2009, 2, 115.	1.6	9
178	Gaussian Quantum-Behaved Particle Swarm Optimization Applied to Fuzzy PID Controller Design. Studies in Computational Intelligence, 2008, , 1-15.	0.7	8
179	Efficient Hardware for Modular Exponentiation using the Sliding-Window Method with Variable-Length Partitioning. , 2008, , .		6
180	Designing hardware for finite synchronous state machines using quantum inspired evolution. International Journal of Innovative Computing and Applications, 2008, 1, 252.	0.2	1

#	Article	IF	Citations
181	Efficient hardware for modular exponentiation using the sliding-window method. International Journal of High Performance Systems Architecture, 2008, 1, 199.	0.2	2
182	Evolutionary Public-Key Cryptographic Circuits. Lecture Notes in Computer Science, 2008, , 551-560.	1.0	0
183	Logic Synthesis for FSMs Using Quantum Inspired Evolution. Lecture Notes in Computer Science, 2008, , 32-39.	1.0	1
184	Reconfigurable MAC-Based Architecture for Parallel Hardware Implementation on FPGAs of Artificial Neural Networks. Lecture Notes in Computer Science, 2008, , 169-178.	1.0	2
185	A System-on-Chip Implementation for Modular Exponentiation Using the Sliding-Window Method with Variable-Length Partitioning. , 2007, , .		0
186	SoC-based implementation for modular exponentiation using evolutionary addition chains. , 2007, , .		0
187	Parallel computation of modular exponentiation for fast cryptography. International Journal of High Performance Systems Architecture, 2007, 1, 44.	0.2	8
188	Designing substitution boxes for secure ciphers. International Journal of Innovative Computing and Applications, 2007, 1, 86.	0.2	18
189	Efficient Hardware for Modular Exponentiation Using the Sliding-Window Method. , 2007, , .		6
190	Efficient Hardware for Modular Exponentiation Using the Sliding-Window Method with Variable-Length Partitioning. , 2007, , .		2
191	A Hardware/Software Co-design vs. Hardware Implementation of the Modular Exponentiation Using the Sliding-Window Method with Constant-Length Partitioning. , 2007, , .		0
192	Evolutionary Regular Substitution Boxes. Studies in Computational Intelligence, 2007, , 79-88.	0.7	2
193	Fast hardware for modular exponentiation with efficient exponent pre-processing. Journal of Systems Architecture, 2007, 53, 99-108.	2.5	6
194	Efficient and secure cryptographic systems based on addition chains: Hardware design vs. software/hardware co-design. The Integration VLSI Journal, 2007, 40, 36-44.	1.3	7
195	An efficient problem-independent hardware implementation of genetic algorithms. Neurocomputing, 2007, 71, 88-94.	3.5	23
196	Dedicated hardware architectures for intelligent systems. Neurocomputing, 2007, 71, 1-2.	3.5	1
197	Hybrid artificial neural network. Neural Computing and Applications, 2007, 16, 207-208.	3.2	2
198	Reconfigurable hardware for neural networks: binary versus stochastic. Neural Computing and Applications, 2007, 16, 249-255.	3.2	21

#	Article	IF	Citations
199	Differential Evolution Approach Using Chaotic Sequences Applied to Planning of Mobile Robot in a Static Environment with Obstacles. Studies in Computational Intelligence, 2007, , 3-22.	0.7	5
200	Evolutionary Synthesis of Synchronous Finite State Machines. , 2006, , .		8
201	Genetically Programmed Pattern Matching for Overlapping Patterns. , 2006, , .		0
202	Two Alternative Hardware Implementations for the M-ary Modular Exponentiation Pre-Processing. , 2006, , .		0
203	Evolutionary Resilient Substitution Boxes for Secure Cryptography Using Nash equilibrium. , 2006, , .		1
204	A Compact Piplined Hardware Implementation of the AES-128 Cipher. , 2006, , .		4
205	Hardware Architecture for Booth-Barrett's Modular Multiplication. International Journal of Modelling and Simulation, 2006, 26, 183-189.	2.3	0
206	Towards Minimal Addition Chains Using Ant Colony Optimisation. Mathematical Modelling and Algorithms, 2006, 5, 525-543.	0.5	19
207	Four Hardware Implementations for the M-ary Modular Exponentiation. , 2006, , .		10
208	Complete Pattern Matching for DNA Computing. Journal of Information and Knowledge Management, 2006, 05, 337-343.	0.8	0
209	Towards Very Fast Modular Exponentiations Using Ant Colony. , 2006, , 415-424.		0
210	Evolutionary Pattern Matching Using Genetic Programming. , 2006, , 81-104.		0
211	Evolutionary Computation: from Genetic Algorithms to Genetic Programming. , 2006, , 1-20.		0
212	Evolutionary Pattern Matching Using Genetic Programming. , 2006, , 81-104.		0
213	Evolutionary Digital Circuit Design Using Genetic Programming. , 2006, , 147-171.		0
214	Complete Pattern Matching: Recursivity Versus Multi-threading. Lecture Notes in Computer Science, 2005, , 598-609.	1.0	0
215	More efficient left-to-right matching for overlapping pattern. Journal of Discrete Algorithms, 2005, 3, 230-247.	0.7	0
216	Secure evolvable hardware for public-key cryptosystems. New Generation Computing, 2005, 23, 259-275.	2.5	1

#	Article	IF	Citations
217	Hardware Architecture for Genetic Algorithms. Lecture Notes in Computer Science, 2005, , 554-556.	1.0	10
218	A Comparison of Two Circuit Representations for Evolutionary Digital Circuit Design. Lecture Notes in Computer Science, 2004, , 594-604.	1.0	1
219	Evolutionary State Assignment for Synchronous Finite State Machines. Lecture Notes in Computer Science, 2004, , 1289-1296.	1.0	3
220	Fast reconfigurable systolic hardware for modular multiplication and exponentiation. Journal of Systems Architecture, 2003, 49, 387-396.	2.5	10
221	Efficient Pre-processing for Large Window-Based Modular Exponentiation Using Genetic Algorithms. , 2003, , 625-635.		10
222	More Efficient Left-to-Right Pattern Matching in Non-sequential Equational Programs. Lecture Notes in Computer Science, 2003, , 295-314.	1.0	0
223	PATTERN MATCHING CODE MINIMIZATION IN REWRITING-BASED PROGRAMMING LANGUAGES. International Journal of Foundations of Computer Science, 2002, 13, 873-887.	0.8	1
224	Efficient Parallel Modular Exponentiation Algorithm. Lecture Notes in Computer Science, 2002, , 405-414.	1.0	21
225	Minimal Addition-Subtraction Chains Using Genetic Algorithms. Lecture Notes in Computer Science, 2002, , 303-313.	1.0	15
226	Minimal Addition Chain for Efficient Modular Exponentiation Using Genetic Algorithms. Lecture Notes in Computer Science, 2002, , 88-98.	1.0	11
227	Optimal Adaptive Pattern Matching. Lecture Notes in Computer Science, 2002, , 768-779.	1.0	2
228	Minimal Adaptive Pattern-Matching Automata for Efficient Term Rewriting. Lecture Notes in Computer Science, 2002, , 221-233.	1.0	0
229	Improving Space, Time, and Termination in Rewriting-Based Programming. Lecture Notes in Computer Science, 2001, , 880-890.	1.0	6
230	Dynamic Deterministic Pattern-Matching. Electronic Notes in Theoretical Computer Science, 2000, 31, 132-143.	0.9	4
231	Efficient automata-driven pattern-matching for equational programs. Software - Practice and Experience, 1999, 29, 793-813.	2.5	11
232	Efficient automata-driven pattern-matching for equational programs. , 1999, 29, 793.		1
233	Minimal deterministic left-to-right pattern-matching automata. ACM SIGPLAN Notices, 1998, 33, 40-47.	0.2	4
234	Efficient routing in network-on-chip for 3D topologies. International Journal of Electronics, 0, , 1-18.	0.9	3

#	Article	IF	Citations
235	UMA HEURÃSTICA GERAL PARA COMPARAÃ‡ÃƒO DE SINAIS. , 0, , .		1
236	SLAM baseado em Scan-Matching com OtimizaÃ§Ã£o por Enxame de PartÃculas. , 0, , .		2
237	Client profile prediction using convolutional neural networks for efficient recommendation systems in the context of smart factories. Enterprise Information Systems, 0, , 1-41.	3.3	1
238	A Swarm Robotics Approach to Decontamination. , 0, , 955-969.		0
239	Parallel Hardware for Artificial Neural Networks Using Fixed Floating Point Representation. , 0, , 295-308.		0
240	Distributed Algorithms for Recruitment and Coordinated Motion in Swarm Robotic Systems. , 0, , 671-693.		0