

Hector Migallon

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

339
citations

933264

10
h-index

887953

17
g-index

50
all docs

50
docs citations

50
times ranked

414
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring Pest Insect Traps by Means of Low-Power Image Sensor Technologies. <i>Sensors</i> , 2012, 12, 15801-15819.	2.1	52
2	On the Design of a Bioacoustic Sensor for the Early Detection of the Red Palm Weevil. <i>Sensors</i> , 2013, 13, 1706-1729.	2.1	49
3	Slice-based parallel approach for HEVC encoder. <i>Journal of Supercomputing</i> , 2015, 71, 1882-1892.	2.4	23
4	Parallel strategies for 2D Discrete Wavelet Transform in shared memory systems and GPUs. <i>Journal of Supercomputing</i> , 2013, 64, 4-16.	2.4	21
5	Parallel implementation of metaheuristics for optimizing tool path computation on CNC machining. <i>Computers in Industry</i> , 2020, 123, 103322.	5.7	14
6	GPU-based parallel algorithms for sparse nonlinear systems. <i>Journal of Parallel and Distributed Computing</i> , 2012, 72, 1098-1105.	2.7	13
7	Efficient parallel and fast convergence chaotic Jaya algorithms. <i>Swarm and Evolutionary Computation</i> , 2020, 56, 100698.	4.5	13
8	Multipopulation-based multi-level parallel enhanced Jaya algorithms. <i>Journal of Supercomputing</i> , 2019, 75, 1697-1716.	2.4	12
9	Multi-level parallel chaotic Jaya optimization algorithms for solving constrained engineering design problems. <i>Journal of Supercomputing</i> , 2021, 77, 12280-12319.	2.4	12
10	Jaya optimization algorithm with GPU acceleration. <i>Journal of Supercomputing</i> , 2019, 75, 1094-1106.	2.4	11
11	Parallel strategies analysis over the HEVC encoder. <i>Journal of Supercomputing</i> , 2014, 70, 671-683.	2.4	10
12	Parallel two-stage algorithms for solving the PageRank problem. <i>Advances in Engineering Software</i> , 2018, 125, 188-199.	1.8	9
13	Comparison of High Performance Parallel Implementations of TLBO and Jaya Optimization Methods on Manycore GPU. <i>IEEE Access</i> , 2019, 7, 133822-133831.	2.6	9
14	Alternating two-stage methods for consistent linear systems with applications to the parallel solution of Markov chains. <i>Advances in Engineering Software</i> , 2010, 41, 13-21.	1.8	8
15	Fast 3D wavelet transform on multicore and many-core computing platforms. <i>Journal of Supercomputing</i> , 2013, 65, 848-865.	2.4	8
16	A heuristic relaxed extrapolated algorithm for accelerating PageRank. <i>Advances in Engineering Software</i> , 2018, 120, 88-95.	1.8	8
17	Parallel Improvements of the Jaya Optimization Algorithm. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 819.	1.3	7
18	Parallel relaxed and extrapolated algorithms for computing PageRank. <i>Journal of Supercomputing</i> , 2014, 70, 637-648.	2.4	6

#	ARTICLE	IF	CITATIONS
19	Distributed memory parallel approaches for HEVC encoder. Journal of Supercomputing, 2017, 73, 164-175.	2.4	6
20	Efficient Subpopulation Based Parallel TLBO Optimization Algorithms. Electronics (Switzerland), 2019, 8, 19.	1.8	5
21	Heterogeneous CPU plus GPU approaches for HEVC. Journal of Supercomputing, 2019, 75, 1215-1226.	2.4	5
22	Settings-Free Hybrid Metaheuristic General Optimization Methods. Mathematics, 2020, 8, 1092.	1.1	4
23	Performance Overview of the Latest Video Coding Proposals: HEVC, JEM and VVC. Journal of Imaging, 2021, 7, 39.	1.7	4
24	PyPnetCDF: A high level framework for parallel access to netCDF files. Advances in Engineering Software, 2010, 41, 92-98.	1.8	3
25	Frame-Based and Subpicture-Based Parallelization Approaches of the HEVC Video Encoder. Applied Sciences (Switzerland), 2018, 8, 854.	1.3	3
26	A Parallel Meta-Heuristic Approach to Reduce Vehicle Travel Time in Smart Cities. Applied Sciences (Switzerland), 2021, 11, 818.	1.3	3
27	Synchronous and asynchronous HEVC parallel encoder versions based on a GOP approach. Advances in Engineering Software, 2016, 101, 37-49.	1.8	2
28	Parallel alternating iterative algorithms with and without overlapping on multicore architectures. Advances in Engineering Software, 2016, 101, 27-36.	1.8	2
29	Performance analysis of frame partitioning in parallel HEVC encoders. Journal of Supercomputing, 2017, 73, 543-556.	2.4	2
30	Parallelization Strategies for Computing PageRank. , 0, , .		2
31	Shared Memory Tile-Based vs Hybrid Memory GOP-Based Parallel Algorithms for HEVC Encoder. Lecture Notes in Computer Science, 2016, , 521-528.	1.0	2
32	Enhanced Parallel Sine Cosine Algorithm for Constrained and Unconstrained Optimization. Mathematics, 2022, 10, 1166.	1.1	2
33	Parallel Newton two-stage methods based on ILU factorizations for nonlinear systems. Numerical Linear Algebra With Applications, 2006, 13, 553-572.	0.9	1
34	Parallel nonlinear preconditioners on multicore architectures. Journal of Supercomputing, 2011, 58, 160-167.	2.4	1
35	GPU-based 3D lower tree wavelet video encoder. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	1
36	Enhancing LTW image encoder with perceptual coding and GPU-optimized 2D-DWT transform. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	1

#	ARTICLE	IF	CITATIONS
37	GPU-Based Heterogeneous Coding Architecture for HEVC. Lecture Notes in Computer Science, 2016, , 529-536.	1.0	1
38	GPU-based HEVC intra-prediction module. Journal of Supercomputing, 2017, 73, 455-468.	2.4	1
39	A highly scalable parallel encoder version of the emergent JEM video encoder. Journal of Supercomputing, 2019, 75, 1429-1442.	2.4	1
40	A Parallel Metaheuristic Approach to Reduce Vehicle Travel Time for Smart Cities Sustainability. Springer Proceedings in Complexity, 2021, , 37-49.	0.2	1
41	Improving image compression through the use of evolutionary computing algorithms. WIT Transactions on Information and Communication Technologies, 2013, , .	0.0	1
42	A Parallel Python library for nonlinear systems. Journal of Supercomputing, 2011, 58, 438-448.	2.4	0
43	Multicore-based 3D-DWT video encoder. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	0
44	Non-Stationary Acceleration Strategies for PageRank Computing. Mathematics, 2019, 7, 911.	1.1	0
45	Parallel Newton Iterative Methods Based on Incomplete LU Factorizations for Solving Nonlinear Systems. Lecture Notes in Computer Science, 2005, , 716-729.	1.0	0
46	A Case Study in Distributing a SystemC Model. Lecture Notes in Computer Science, 2009, , 99-106.	1.0	0
47	Load Balancing Strategies for Slice-Based Parallel Versions of JEM Video Encoder. Algorithms, 2021, 14, 320.	1.2	0
48	Speeding Up in Distributed SystemC Simulations. Advances in Soft Computing, 0, , 24-28.	0.4	0
49	GPU-Based Parallel Nonlinear Conjugate Gradient Algorithms. , 0, , .		0