

Didier El Baz

List of Publications by Year in descending order

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60
papers

716
citations

567281

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610901

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62
all docs

62
docs citations

62
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Combating the Infodemic: A Chinese Infodemic Dataset for Misinformation Identification. Healthcare (Switzerland), 2021, 9, 1094.	2.0	9
2	GRIDHPC: A decentralized environment for high performance computing. Concurrency Computation Practice and Experience, 2020, 32, e5320.	2.2	1
3	Guest Editor's Introduction: Special Section on Green Computing in Internet of Things. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 750-751.	4.6	0
4	GPU based parallel genetic algorithm for solving an energy efficient dynamic flexible flow shop scheduling problem. Journal of Parallel and Distributed Computing, 2019, 133, 244-257.	4.1	45
5	A Dual Heterogeneous Island Genetic Algorithm for Solving Large Size Flexible Flow Shop Scheduling Problems on Hybrid Multicore CPU and GPU Platforms. Mathematical Problems in Engineering, 2019, 2019, 1-13.	1.1	2
6	A programmable actuator for combined motion and connection and its application to modular robot. Mechatronics, 2019, 58, 9-19.	3.3	9
7	Advances in cloud and big data computing. Concurrency Computation Practice and Experience, 2019, 31, e5053.	2.2	10
8	Method for Predicting Pixel Values in Background Areas in the Problem of Weighted Steganalysis in the Spatial Domain of Natural Images Under Small Payloads. Communications in Computer and Information Science, 2019, , 65-82.	0.5	0
9	SIMD Monte-Carlo Numerical Simulations Accelerated on GPU and Xeon Phi. International Journal of Parallel Programming, 2018, 46, 584-606.	1.5	5
10	A Survey on Parallel Genetic Algorithms for Shop Scheduling Problems. , 2018, , .		4
11	Acceleration of a CUDA-Based Hybrid Genetic Algorithm and its Application to a Flexible Flow Shop Scheduling Problem. , 2018, , .		1
12	Heterogeneous Computing and Multi-Clustering Support Via Peer-To-Peer HPC. , 2018, , .		1
13	Editorial for the special issue on heterogeneous sensors-based object identification and information fusion. International Journal of Communication Systems, 2017, 30, e3298.	2.5	1
14	GPU computing applied to linear and mixed-integer programming. , 2017, , 247-271.		8
15	Introduction to PDCO Workshop. , 2017, , .		0
16	Correlation of security events based on the analysis of structures of event types. , 2017, , .		4
17	Design of a New Fasten-Able Linear Motor for Smart Distributed Robot System. , 2016, , .		0
18	PCO Introduction and Committees. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	A Parallel Ant Colony Optimization for the Maximum-Weight Clique Problem. , 2016, , .		5
20	Parallel Monte-Carlo Simulations on GPU and Xeon Phi for Stratospheric Balloon Envelope Drift Descent Analysis. , 2016, , .		1
21	Parallel Asynchronous Modified Newton Methods for Network Flows. , 2015, , .		0
22	Enabling the Social Internet of Things and Social Cloud. IEEE Cloud Computing, 2015, 2, 6-9.	3.9	8
23	PCO Introduction and Committees. , 2015, , .		0
24	HPC Applications Deployment on Distributed Heterogeneous Computing Platforms via OMF, OML and P2PDC. , 2014, , .		2
25	IoT and the Need for High Performance Computing. , 2014, , .		11
26	Recent Advances on GPU Computing in Operations Research. , 2013, , .		20
27	Distributed Iterative Solution of Numerical Simulation Problems on Infiniband and Ethernet Clusters via the P2PSAP Self-Adaptive Protocol. , 2013, , .		1
28	PCO Introduction. , 2013, , .		0
29	PCO Introduction. , 2012, , .		0
30	A procedure-based heuristic for 0-1 Multiple Knapsack Problems. International Journal of Mathematics in Operational Research, 2012, 4, 214.	0.2	18
31	Distributed part differentiation in a smart surface. Mechatronics, 2012, 22, 522-530.	3.3	17
32	Solving knapsack problems on GPU. Computers and Operations Research, 2012, 39, 42-47.	4.0	59
33	PCO Introduction. , 2011, , .		0
34	A dynamic programming method with lists for the knapsack sharing problem. Computers and Industrial Engineering, 2011, 61, 274-278.	6.3	12
35	Dense Dynamic Programming on Multi GPU. , 2011, , .		14
36	Solution of multidimensional knapsack problems via cooperation of dynamic programming and branch and bound. European Journal of Industrial Engineering, 2010, 4, 434.	0.8	19

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37	High performance Peer-to-Peer distributed computing with application to obstacle problem. , 2010, , .		19
38	Distributed Discrete State Acquisition and Concurrent Pattern Recognition in a MEMS-Based Smart Surface#. , 2010, , .		2
39	A Self-adaptive Communication Protocol with Application to High Performance Peer to Peer Distributed Computing. , 2010, , .		15
40	Heuristics for the 0â€“1 multidimensional knapsack problem. European Journal of Operational Research, 2009, 199, 658-664.	5.7	64
41	Improved time and space complexity for Kianfar's inequality rotation algorithm. European Journal of Industrial Engineering, 2009, 3, 90.	0.8	0
42	A new stopping criterion for linear perturbed asynchronous iterations. Journal of Computational and Applied Mathematics, 2008, 219, 471-483.	2.0	14
43	Communication Study and Implementation Analysis of Parallel Asynchronous Iterative Algorithms on Message Passing Architectures. Parallel, Distributed and Network-based Processing, Proceedings of the Euromicro Workshop on, 2007, , .	0.0	1
44	MPI implementation of parallel subdomain methods for linear and nonlinear convectionâ€“diffusion problems. Journal of Parallel and Distributed Computing, 2007, 67, 581-591.	4.1	17
45	Load balancing methods and parallel dynamic programming algorithm using dominance technique applied to the 0â€“1 knapsack problem. Journal of Parallel and Distributed Computing, 2005, 65, 74-84.	4.1	25
46	Asynchronous iterations with flexible communication: contracting operators. Journal of Computational and Applied Mathematics, 2005, 176, 91-103.	2.0	22
47	Stopping criteria, forward and backward errors for perturbed asynchronous linear fixed point methods in finite precision. IMA Journal of Numerical Analysis, 2005, 25, 429-442.	2.9	5
48	Parallel Asynchronous Schwarz and Multisplitting Methods for a Nonlinear Diffusion Problem. Numerical Algorithms, 2003, 33, 461-474.	1.9	16
49	Performances analysis. , 2003, , .		0
50	Parallelization of subdomain methods with overlapping for linear and nonlinear convection-diffusion problems. , 2003, , .		1
51	Implementation of distributed iterative algorithm for optimal control problems on several parallel architectures. Journal of Systems and Software, 2002, 60, 141-148.	4.5	3
52	A new class of asynchronous iterative algorithms with order intervals. Mathematics of Computation, 1998, 67, 237-255.	2.1	49
53	Asynchronous Iterative Algorithms with Flexible Communication for Nonlinear Network Flow Problems. Journal of Parallel and Distributed Computing, 1996, 38, 1-15.	4.1	38
54	Asynchronous gradient algorithms for a class of convex separable network flow problems. Computational Optimization and Applications, 1996, 5, 187-205.	1.6	9

#	ARTICLE	IF	CITATIONS
55	A METHOD OF TERMINATING ASYNCHRONOUS ITERATIVE ALGORITHMS ON MESSAGE PASSING SYSTEMS. International Journal of Parallel, Emergent and Distributed Systems, 1996, 9, 153-158.	0.4	15
56	Asynchronous implementation of relaxation and gradient algorithms for convex network flow problems. Parallel Computing, 1993, 19, 1019-1028.	2.1	6
57	A parallel optimal routing algorithm. Parallel Computing, 1992, 18, 1393-1402.	2.1	1
58	M-Functions and Parallel Asynchronous Algorithms. SIAM Journal on Numerical Analysis, 1990, 27, 136-140.	2.3	27
59	Distributed Asynchronous Relaxation Methods for Convex Network Flow Problems. SIAM Journal on Control and Optimization, 1987, 25, 74-85.	2.1	74
60	Some Solutions for Peer-to-Peer Global Computing. , 0, , .		5