Pascal Bouvry

List of Publications by Year
in descending order

379 papers	6,417 citations	136950 32 h-index	128289 60 g-index
407 all docs	407 docs citations	407 times ranked	5175 citing authors

#	Article	IF	Citations
1	SuSy-EnGaD: Surveillance System Enhanced by Games of Drones. Drones, 2022, 6, 13.	4.9	2
2	From communities to protein complexes: A local community detection algorithm on PPI networks. PLoS ONE, 2022, 17, e0260484.	2.5	8
3	A Q-Learning Based Hyper-Heuristic for Generating Efficient UAV Swarming Behaviours. Lecture Notes in Computer Science, 2021, , 768-781.	1.3	3
4	The Rise of Drones in Internet of Things: A Survey on the Evolution, Prospects and Challenges of Unmanned Aerial Vehicles. IEEE Access, 2021, 9, 115466-115487.	4.2	39
5	Protection of Personal Data in High Performance Computing Platform for Scientific Research Purposes. Lecture Notes in Computer Science, 2021, , 123-142.	1.3	0
6	Improving Pheromone Communication for UAV Swarm Mobility Management. Lecture Notes in Computer Science, 2021, , 228-240.	1.3	1
7	UAV-UGV-UMV Multi-Swarms for Cooperative Surveillance. Frontiers in Robotics and AI, 2021, 8, 616950.	3.2	25
8	Swarm-based counter UAV defense system. Discover Internet of Things, 2021, 1, 1.	4.8	24
9	CONSOLE: intruder detection using a UAV swarm and security rings. Swarm Intelligence, 2021, 15, 205-235.	2.2	10
10	Optimising pheromone communication in a UAV swarm. , 2021, , .		0
11	A competitive Predator–Prey approach to enhance surveillance by UAV swarms. Applied Soft Computing Journal, 2021, 111, 107701.	7.2	8
12	Comparing Elementary Cellular Automata Classifications with a Convolutional Neural Network. , 2021, , .		2
13	Community Detection in Complex Networks: A Survey on Local Approaches. Lecture Notes in Computer Science, 2021, , 757-767.	1.3	4
14	Local Community Detection Algorithm with Self-defining Source Nodes. Studies in Computational Intelligence, 2021, , 200-210.	0.9	2
15	Innovation Networks from Inter-organizational Research Collaborations. Studies in Computational Intelligence, 2021, , 361-375.	0.9	0
16	Optimization of Carsharing Fleet Placement in Round-Trip Carsharing Service. Applied Sciences (Switzerland), 2021, 11, 11393.	2.5	6
17	Evolutionary Learning of Private Equity Recommitment Strategies. , 2021, , .		2
18	Tackling Large-Scale and Combinatorial Bi-Level Problems With a Genetic Programming Hyper-Heuristic. IEEE Transactions on Evolutionary Computation, 2020, 24, 44-56.	10.0	23

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19	Bayesian optimisation to select Rössler system parameters used in Chaotic Ant Colony Optimisation for Coverage. Journal of Computational Science, 2020, 41, 101047.	2.9	7
20	Crowdsensing architectures for smart cities. , 2020, , 527-542.		1
21	Competitive Evolution of a UAV Swarm for Improving Intruder Detection Rates. , 2020, , .		7
22	Performance Analysis of Distributed and Scalable Deep Learning. , 2020, , .		3
23	Emerging Inter-Swarm Collaboration for Surveillance Using Pheromones and Evolutionary Techniques. Sensors, 2020, 20, 2566.	3.8	6
24	A Cooperative Coevolutionary Approach to Maximise Surveillance Coverage of UAV Swarms. , 2020, , .		17
25	A vertex-similarity clustering algorithm for community detection. Journal of Information and Telecommunication, 2020, 4, 36-50.	2.8	2
26	Autonomous Flight of Unmanned Aerial Vehicles Using Evolutionary Algorithms. Communications in Computer and Information Science, 2020, , 337-352.	0.5	2
27	Optimizing the Performance of an Unpredictable UAV Swarm for Intruder Detection. Communications in Computer and Information Science, 2020, , 37-48.	0.5	6
28	Reducing Overfitting and Improving Generalization in Training Convolutional Neural Network (CNN) under Limited Sample Sizes in Image Recognition. , 2020, , .		22
29	Automating the Design of Efficient Distributed Behaviours for a Swarm of UAVs. , 2020, , .		6
30	Automated design of efficient swarming behaviours. , 2020, , .		4
31	Automatic Software Tuning of Parallel Programs for Energy-Aware Executions. Lecture Notes in Computer Science, 2020, , 144-155.	1.3	0
32	NGAP. , 2020, , .		0
33	Configurable cost-quality optimization of cloud-based VoIP. Journal of Parallel and Distributed Computing, 2019, 133, 319-336.	4.1	5
34	A GP Hyper-Heuristic Approach for Generating TSP Heuristics. , 2019, , .		22
35	Internet of Unmanned Aerial Vehicles—A Multilayer Low-Altitude Airspace Model for Distributed UAV Traffic Management. Sensors, 2019, 19, 4779.	3.8	48
36	Local memory boosts label propagation for community detection. Applied Network Science, 2019, 4, .	1.5	6

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37	Toward real-world vehicle placement optimization in round-trip carsharing. , 2019, , .		3
38	Profiling Performance of Application Partitioning for Wearable Devices in Mobile Cloud and Fog Computing. IEEE Access, 2019, 7, 12156-12166.	4.2	28
39	A Survey on Mobile Crowdsensing Systems: Challenges, Solutions, and Opportunities. IEEE Communications Surveys and Tutorials, 2019, 21, 2419-2465.	39.4	334
40	Multi-Objective Scientific-Workflow Scheduling With Data Movement Awareness in Cloud. IEEE Access, 2019, 7, 177063-177081.	4.2	13
41	Privacy and Security of Big Data in AI Systems: A Research and Standards Perspective. , 2019, , .		29
42	Crowdsensed Data Learning-Driven Prediction of Local Businesses Attractiveness in Smart Cities. , 2019, , .		6
43	On Fairness Optimization for Cloud Radio Access Networks. , 2019, , .		0
44	Trustworthiness in IoT â€" A Standards Gap Analysis on Security, Data Protection and Privacy. , 2019, , .		10
45	Link Definition Ameliorating Community Detection in Collaboration Networks. Frontiers in Big Data, 2019, 2, 22.	2.9	5
46	A Memory-Based Label Propagation Algorithm for Community Detection. Studies in Computational Intelligence, 2019, , 171-182.	0.9	5
47	Collision Avoidance Effects on the Mobility of a UAV Swarm Using Chaotic Ant Colony with Model Predictive Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 227-243.	3.4	46
48	A new modeling approach for the biobjective exact optimization of satellite payload configuration. International Transactions in Operational Research, 2019, 26, 180-199.	2.7	2
49	Amazon Elastic Compute Cloud (EC2) versus In-House HPC Platform: A Cost Analysis. IEEE Transactions on Cloud Computing, 2019, 7, 456-468.	4.4	29
50	A Multilayer Low-Altitude Airspace Model for UAV Traffic Management. , 2019, , .		9
51	Cloud Brokering with Bundles: Multi-objective Optimization of Services Selection. Foundations of Computing and Decision Sciences, 2019, 44, 407-426.	1.2	1
52	Chaos-enhanced mobility models for multilevel swarms of UAVs. Swarm and Evolutionary Computation, 2018, 41, 36-48.	8.1	55
53	The Virtual Savant: Automatic generation of parallel solvers. Information Sciences, 2018, 432, 411-430.	6.9	8
54	PRESENCE: Toward a novel approach for performance evaluation of mobile cloud SaaS Web Services. , 2018, , .		6

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55	RapidRMSD: rapid determination of RMSDs corresponding to motions of flexible molecules. Bioinformatics, 2018, 34, 2757-2765.	4.1	17
56	A scalable parallel cooperative coevolutionary PSO algorithm for multi-objective optimization. Journal of Parallel and Distributed Computing, 2018, 112, 111-125.	4.1	35
57	Collaborative Data Delivery for Smart City-Oriented Mobile Crowdsensing Systems. , 2018, , .		7
58	Elliptic Curves Discrete Logarithm Problem over a Finite Prime Field Fp and p-adic Approximations. , 2018, , .		0
59	Extreme Solutions NSGA-III (E-NSGA-III) for Scientific Workflow Scheduling on Cloud. , 2018, , .		4
60	High-Precision Design of Pedestrian Mobility for Smart City Simulators. , 2018, , .		15
61	Why energy matters? Profiling energy consumption of mobile crowdsensing dataÂcollection frameworks. Pervasive and Mobile Computing, 2018, 51, 193-208.	3.3	20
62	PRESENCE: Monitoring and Modelling the Performance Metrics of Mobile Cloud SaaS Web Services. Mobile Information Systems, 2018, 2018, 1-14.	0.6	3
63	PRESEnCE: Performance Metrics Models for Cloud SaaS Web Services. , 2018, , .		3
64	Evolutionary Algorithms for the Inverse Protein Folding Problem. , 2018, , 999-1023.		0
65	Clustering approaches for visual knowledge exploration in molecular interaction networks. BMC Bioinformatics, 2018, 19, 308.	2.6	3
66	Profiling Energy Efficiency of Mobile Crowdsensing Data Collection Frameworks for Smart City Applications. , 2018, , .		13
67	On Verifying and Assuring the Cloud SLA by Evaluating the Performance of SaaS Web Services Across Multi-cloud Providers. , 2018, , .		5
68	A Competitive Approach for Bi-Level Co-Evolution. , 2018, , .		1
69	Lightweight Key Agreement for Wireless Sensor Networks. , 2018, , .		0
70	Visualizing the Template of a Chaotic Attractor. Lecture Notes in Computer Science, 2018, , 106-119.	1.3	2
71	Evolutionary Algorithms for the Inverse Protein Folding Problem. , 2018, , 1-25.		0
72	Performance and Energy Efficiency Metrics for Communication Systems of Cloud Computing Data Centers. IEEE Transactions on Cloud Computing, 2017, 5, 738-750.	4.4	71

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73	Load Balancing at the Edge of Chaos: How Self-Organized Criticality Can Lead to Energy-Efficient Computing. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 517-529.	5.6	19
74	Energy efficiency of TCP: An analytical model and its application to reduce energy consumption of the most diffused transport protocol. International Journal of Communication Systems, 2017, 30, e2934.	2.5	5
75	CrowdSenSim: a Simulation Platform for Mobile Crowdsensing in Realistic Urban Environments. IEEE Access, 2017, 5, 3490-3503.	4.2	92
76	A Cost-Effective Distributed Framework for Data Collection in Cloud-Based Mobile Crowd Sensing Architectures. IEEE Transactions on Sustainable Computing, 2017, 2, 3-16.	3.1	62
77	Sociability-Driven Framework for Data Acquisition in Mobile Crowdsensing Over FogÂComputing Platforms for Smart Cities. IEEE Transactions on Sustainable Computing, 2017, 2, 345-358.	3.1	38
78	ASIMUT project. , 2017, , .		5
79	Target Tracking Optimization of UAV Swarms Based on Dual-Pheromone Clustering. , 2017, , .		16
80	Area exploration with a swarm of UAVs combining deterministic chaotic ant colony mobility with position MPC. , 2017, , .		16
81	Cost analysis of smart lighting solutions for smart cities. , 2017, , .		27
82	Bayesian optimization approach of general bi-level problems. , 2017, , .		8
83	A new Co-evolutionary Algorithm Based on Constraint Decomposition. , 2017, , .		5
84	Load-Aware Strategies for Cloud-Based VoIP Optimization with VM Startup Prediction. , 2017, , .		3
85	Min_c: Heterogeneous concentration policy for energy-aware scheduling of jobs with resource contention. Programming and Computer Software, 2017, 43, 204-215.	0.9	10
86	Chaotic Traversal (CHAT): Very Large Graphs Traversal Using Chaotic Dynamics. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750215.	1.7	2
87	Defending Against Intrusion of Malicious UAVs with Networked UAV Defense Swarms. , 2017, , .		46
88	Intelligent Gaming for Mobile Crowd-Sensing Participants to Acquire Trustworthy Big Data in the Internet of Things. IEEE Access, 2017, 5, 22209-22223.	4.2	63
89	Self-Regulated Multi-criteria Decision Analysis: An Autonomous Brokerage-Based Approach for Service Provider Ranking in the Cloud. , 2017, , .		2
90	Coverage Optimization with Connectivity Preservation for UAV Swarms Applying Chaotic Dynamics. , 2017, , .		18

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91	Law as a service (LaaS): Enabling legal protection over a blockchain network. , 2017, , .		6
92	Real-Time Virtual Network Function (VNF) Migration toward Low Network Latency in Cloud Environments. , 2017, , .		28
93	Energy efficient data collection in opportunistic mobile crowdsensing architectures for smart cities. , 2017, , .		17
94	On the Energy-Proportionality ofÂDataÂCenterÂNetworks. IEEE Transactions on Sustainable Computing, 2017, 2, 197-210.	3.1	11
95	Evalix: Classification and Prediction of Job Resource Consumption on HPC Platforms. Lecture Notes in Computer Science, 2017, , 102-122.	1.3	5
96	Biobjective VoIP Service Management in Cloud Infrastructure. Scientific Programming, 2016, 2016, 1-14.	0.7	6
97	UAV Multilevel Swarms for Situation Management. , 2016, , .		8
98	Virtual Desktop Infrastructures: Architecture, survey and green aspects proof of concept. , 2016, , .		6
99	Exact and heuristic approaches to solve the Internet shopping optimization problem with delivery costs. International Journal of Applied Mathematics and Computer Science, 2016, 26, 391-406.	1.5	10
100	Using heterogeneous multilevel swarms of UAVs and high-level data fusion to support situation management in surveillance scenarios. , 2016, , .		20
101	Game-Theoretic Recruitment of Sensing Service Providers for Trustworthy Cloud-Centric Internet-of-Things (IoT) Applications. , 2016, , .		21
102	Using Virtual Desktop Infrastructure to Improve Power Efficiency in Grinfy System. , 2016, , .		3
103	Sociability-Driven User Recruitment in Mobile Crowdsensing Internet of Things Platforms. , 2016, , .		24
104	Hybrid mobility model with pheromones for UAV detection task. , 2016, , .		5
105	Reconciling task assignment and scheduling in mobile edge clouds. , 2016, , .		6
106	Smart Probabilistic Fingerprinting for Indoor Localization over Fog Computing Platforms. , 2016, , .		33
107	Assessing Performance of Internet of Things-Based Mobile Crowdsensing Systems for Sensing as a Service Applications in Smart Cities. , 2016, , .		11
108	Service Performance Pattern Analysis and Prediction of Commercially Available Cloud Providers. , 2016, , .		1

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109	Comparisons of Heat Map and IFL Technique to Evaluate the Performance of Commercially Available Cloud Providers. , 2016, , .		0
110	Tackling the IFP Problem with the Preference-Based Genetic Algorithm. , 2016, , .		0
111	Amazon Elastic Compute Cloud (EC2) vs. In-House HPC Platform: A Cost Analysis. , 2016, , .		9
112	On Service Level Agreement Assurance in Cloud Computing Data Centers. , 2016, , .		2
113	Reducing Efficiency of Connectivity-Splitting Attack on Newscast via Limited Gossip. Lecture Notes in Computer Science, 2016, , 299-314.	1.3	0
114	UAV Fleet Mobility Model with Multiple Pheromones for Tracking Moving Observation Targets. Lecture Notes in Computer Science, 2016, , 332-347.	1.3	14
115	Minimum Dependencies Energy-Efficient Scheduling in Data Centers. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 3561-3574.	5.6	25
116	Online Bi-Objective Scheduling for IaaS Clouds Ensuring Quality of Service. Journal of Grid Computing, 2016, 14, 5-22.	3.9	39
117	A parallel cooperative coevolutionary SMPSO algorithm for multi-objective optimization. , 2016, , .		3
118	A transport layer approach to improve energy efficiency. , 2016, , .		2
119	Service Level Agreement Assurance between Cloud Services Providers and Cloud Customers. , 2016, , .		13
120	A Novel Co-evolutionary Approach for Constrained Genetic Algorithms. , 2016, , .		0
121	From Random Process to Chaotic Behavior in Swarms of UAVs. , 2016, , .		27
122	Network coding-based content distribution in cellular access networks. , 2016, , .		0
123	CA-DAG: Modeling Communication-Aware Applications for Scheduling in Cloud Computing. Journal of Grid Computing, 2016, 14, 23-39.	3.9	67
124	Graph Cellular Automata approach to the Maximum Lifetime Coverage Problem in wireless sensor networks. Simulation, 2016, 92, 153-164.	1.8	17
125	Performance Metrics for Data Center Communication Systems. , 2015, , .		3
126	VoIP service model for multi-objective scheduling in cloud infrastructure. International Journal of Metaheuristics, 2015, 4, 185.	0.1	7

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127	Cloud Brokering: Current Practices and Upcoming Challenges. IEEE Cloud Computing, 2015, 2, 40-47.	3.9	38
128	Distributed Cellular Evolutionary Algorithms in a Byzantine Environment. , 2015, , .		1
129	A new model for VMMP dealing with execution time uncertainty in a multi-clouds system. , 2015, , .		1
130	VoIP Traffic Modelling Using Gaussian Mixture Models, Gaussian Processes and Interactive Particle Algorithms. , 2015, , .		7
131	Adopting trust and assurance as indicators for the reassignment of responsibilities in multi-agent systems. Knowledge Engineering Review, 2015, 30, 187-200.	2.6	3
132	Cloud service providers ranking based on service delivery and consumer experience. , 2015, , .		8
133	An Evaluation Model for Selecting Cloud Services from Commercially Available Cloud Providers. , 2015, , .		19
134	Computational Intelligence for Cloud Computing [Guest Editorial]. IEEE Computational Intelligence Magazine, 2015, 10, 18-51.	3.2	1
135	Energy-efficient data replication in cloud computing datacenters. Cluster Computing, 2015, 18, 385-402.	5.0	184
136	Survey on Broadcast Algorithms for Mobile Ad Hoc Networks. ACM Computing Surveys, 2015, 48, 1-35.	23.0	61
137	A Comparison Between Memetic Algorithm and Seeded Genetic Algorithm for Multi-objective Independent Task Scheduling on Heterogeneous Machines. Studies in Computational Intelligence, 2015, , 377-389.	0.9	4
138	Finding a robust configuration for the AEDB information dissemination protocol for mobile ad hoc networks. Applied Soft Computing Journal, 2015, 32, 494-508.	7.2	3
139	A Survey of Evolutionary Computation for Resource Management of Processing in Cloud Computing [Review Article]. IEEE Computational Intelligence Magazine, 2015, 10, 53-67.	3.2	87
140	Mitigating flash crowd effect using connected vehicle technology. Vehicular Communications, 2015, 2, 238-250.	4.0	13
141	NIDISC Introduction and Committees. , 2015, , .		0
142	Optimizing communication satellites payload configuration with exact approaches. Engineering Optimization, 2015, 47, 1709-1734.	2.6	2
143	NK Landscape Instances Mimicking the Protein Inverse Folding Problem Towards Future Benchmarks. , 2015, , .		0
144	HEROS: Energy-Efficient Load Balancing for Heterogeneous Data Centers. , 2015, , .		24

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145	Network-assisted offloading for mobile cloud applications. , 2015, , .		18
146	Models for efficient data replication in cloud computing datacenters. , 2015, , .		12
147	Trading Off Resource Utilization and Task Migrations in Dynamic Load-balancing. , 2015, , .		0
148	Connectivity Stability in Autonomous Multi-level UAV Swarms for Wide Area Monitoring. , 2015, , .		40
149	Energy Efficiency in HPC Data Centers: Latest Advances to Build the Path to Exascale. , 2015, , 81-107.		1
150	Metaheuristics for the Virtual Machine Mapping Problem in Clouds. Informatica, 2015, 26, 111-134.	2.7	3
151	Graph-Based Cellular Automata Approach to Maximum Lifetime Coverage Problem in Wireless Sensor Networks. , 2014, , .		1
152	Comparison of Multi-objective Optimization Algorithms for the JShadObf JavaScript Obfuscator. , 2014, , .		2
153	Performance Analysis of Cloud Environments on Top of Energy-Efficient Platforms Featuring Low Power Processors. , 2014, , .		3
154	NC-CELL: Network coding-based content distribution in cellular networks for cloud applications. , 2014, , .		4
155	Adaptive energy efficient distributed VoIP load balancing in federated cloud infrastructure. , 2014, , .		10
156	Visualization and classification of protein secondary structures using Self-Organizing Maps. , 2014, , .		1
157	Detection of stable mobile communities in vehicular Ad Hoc Networks. , 2014, , .		5
158	A holistic model of the performance and the energy efficiency of hypervisors in a highâ€performance computing environment. Concurrency Computation Practice and Experience, 2014, 26, 2569-2590.	2.2	16
159	Management of an academic HPC cluster: The UL experience. , 2014, , .		194
160	HPC Performance and Energy-Efficiency of the OpenStack Cloud Middleware. , 2014, , .		10
161	Multi-objective evolutionary approach for the satellite payload power optimization problem. , 2014, , .		1
162	Optimising small-world properties in VANETs: Centralised and distributed overlay approaches. Applied Soft Computing Journal, 2014, 21, 637-646.	7.2	9

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163	Internet shopping with price sensitive discounts. 4or, 2014, 12, 35-48.	1.6	21
164	Scalable, low complexity, and fast greedy scheduling heuristics for highly heterogeneous distributed computing systems. Journal of Supercomputing, 2014, 67, 837-853.	3.6	13
165	Designing robust volunteer-based evolutionary algorithms. Genetic Programming and Evolvable Machines, 2014, 15, 221-244.	2.2	18
166	Solving the three dimensional quadratic assignment problem on a computational grid. Cluster Computing, 2014, 17, 205-217.	5.0	5
167	Profiling cloud applications with hardware performance counters. , 2014, , .		8
168	Emerging Paradigms and Areas for Expansion. IEEE Cloud Computing, 2014, 1, 58-61.	3.9	3
169	A hierarchical approach for energy-efficient scheduling of large workloads in multicore distributed systems. Sustainable Computing: Informatics and Systems, 2014, 4, 252-261.	2.2	23
170	Multi-objective evolutionary algorithms for energy-aware scheduling on distributed computing systems. Applied Soft Computing Journal, 2014, 24, 432-446.	7.2	40
171	Performance Evaluation of an IaaS Opportunistic Cloud Computing. , 2014, , .		3
172	Energy-aware online scheduling: Ensuring quality of service for IaaS clouds. , 2014, , .		14
173	The sandpile scheduler. Cluster Computing, 2014, 17, 191-204.	5.0	12
174	AEDB protocol tuning with a fast efficient parallel multi-objective local search. International Journal of Ad Hoc and Ubiquitous Computing, 2014, 17, 144.	0.5	2
175	ParaMASK: A Multi-Agent System for the efficient and dynamic adaptation of HPC workloads. , 2014, , .		2
176	NIDISC Introduction and Committees. , 2014, , .		0
177	Energy-Efficient Computation Offloading for Wearable Devices and Smartphones in Mobile Cloud Computing. , 2014, , .		1
178	Bi-objective online scheduling with quality of service for IaaS clouds. , 2014, , .		8
179	Energy Savings on a Cloud-Based Opportunistic Infrastructure. Lecture Notes in Computer Science, 2014, , 366-378.	1.3	1
180	Exploiting theÂHard-Wired Vulnerabilities ofÂNewscast viaÂConnectivity-Splitting Attack. Lecture Notes in Computer Science, 2014, , 152-165.	1.3	1

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181	Cooperative Selection: Improving Tournament Selection via Altruism. Lecture Notes in Computer Science, 2014, , 85-96.	1.3	3
182	Analysis of the Data Flow in the Newscast Protocol for Possible Vulnerabilities. Communications in Computer and Information Science, 2014, , 89-99.	0.5	2
183	Hybridisation Schemes for Communication Satellite Payload Configuration Optimisation. Lecture Notes in Computer Science, 2014, , 565-576.	1.3	2
184	How to Efficiently Solve Internet Shopping Optimization Problem with Price Sensitive Discounts?. , 2014, , .		2
185	Workflow Scheduling on Virtualized Servers. Studies in Computational Intelligence, 2014, , 247-254.	0.9	1
186	Challenges on Probabilistic Modeling for Evolving Networks. Studies in Computational Intelligence, 2014, , 77-93.	0.9	0
187	Optimizing AEDB Broadcasting Protocol with Parallel Multi-objective Cooperative Coevolutionary NSGA-II. Lecture Notes in Computer Science, 2014, , 39-50.	1.3	1
188	Support Tool for a Bayesian Network Based Critical Infrastructure Risk Model. Studies in Computational Intelligence, 2014, , 53-75.	0.9	2
189	A Parallel Multi-Objective Cooperative Coevolutionary Algorithm for Optimising Small-World Properties in VANETs. CLEI Electronic Journal, 2014, 17, .	0.3	0
190	Hopfield neural network for simultaneous job scheduling and data replication in grids. Future Generation Computer Systems, 2013, 29, 1885-1900.	7.5	14
191	Special issue on evolutionary computing and complex systems. Soft Computing, 2013, 17, 909-912.	3.6	0
192	Cellular genetic algorithms without additional parameters. Journal of Supercomputing, 2013, 63, 816-835.	3.6	15
193	Achieving super-linear performance in parallel multi-objective evolutionary algorithms by means of cooperative coevolution. Computers and Operations Research, 2013, 40, 1552-1563.	4.0	42
194	A Holistic Model for Resource Representation in Virtualized Cloud Computing Data Centers. , 2013, , .		17
195	e-STAB: Energy-Efficient Scheduling for Cloud Computing Applications with Traffic Load Balancing. , 2013, , .		65
196	A survey on resource allocation in high performance distributed computing systems. Parallel Computing, 2013, 39, 709-736.	2.1	112
197	Finding scalable configurations for AEDB broadcasting protocol using multi-objective evolutionary algorithms. Cluster Computing, 2013, 16, 527-544.	5.0	8
198	A two-phase heuristic for the energy-efficient scheduling of independent tasks on computational grids. Cluster Computing, 2013, 16, 421-433.	5.0	34

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199	Energy-Aware Scheduling on Multicore Heterogeneous Grid Computing Systems. Journal of Grid Computing, 2013, 11, 653-680.	3.9	76
200	A Parallel Hybrid Evolutionary Algorithm for the Optimization of Broker Virtual Machines Subletting in Cloud Systems. , 2013, , .		10
201	Comparing the Performance and Power Usage of GPU and ARM Clusters for Map-Reduce. , 2013, , .		2
202	HPC Performance and Energy-Efficiency of Xen, KVM and VMware Hypervisors. , 2013, , .		24
203	CA-DAG: Communication-Aware Directed Acyclic Graphs for Modeling Cloud Computing Applications. , 2013, , .		20
204	Expected running time of parallel evolutionary algorithms on unimodal pseudo-boolean functions over small-world networks. , 2013, , .		0
205	Savant: Automatic parallelization of a scheduling heuristic with machine learning. , 2013, , .		4
206	Using data-flow analysis in MAS for power-aware HPC runs. , 2013, , .		1
207	Energy-aware VM Allocation on an Opportunistic Cloud Infrastructure. , 2013, , .		6
208	Green flexible opportunistic computing with task consolidation and virtualization. Cluster Computing, 2013, 16, 545-557.	5.0	9
209	Solving very large instances of the scheduling of independent tasks problem on the GPU. Journal of Parallel and Distributed Computing, 2013, 73, 101-110.	4.1	43
210	Analysing the development of cooperation in MANETs using evolutionary game theory. Journal of Supercomputing, 2013, 63, 854-870.	3.6	17
211	A Parallel Multi-objective Local Search for AEDB Protocol Tuning. , 2013, , .		5
212	An overview of energy efficiency techniques in cluster computing systems. Cluster Computing, 2013, 16, 3-15.	5.0	160
213	DENS: data center energy-efficient network-aware scheduling. Cluster Computing, 2013, 16, 65-75.	5.0	173
214	Energy-efficient data replication in cloud computing datacenters. , 2013, , .		34
215	Computational intelligence for cloud management current trends and opportunities. , 2013, , .		8
216	Task Scheduling in Heterogeneous Computing Systems Using a MicroGA. , 2013, , .		2

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217	Design of an energy efficiency model and architecture for cloud management using prediction models. , 2013, , .		0
218	Minimising longest path length in communication satellite payloads via metaheuristics. , 2013, , .		3
219	An Overlay Approach for Optimising Small-World Properties in VANETs. Lecture Notes in Computer Science, 2013, , 32-41.	1.3	3
220	Accounting for load variation in energy-efficient data centers. , 2013, , .		7
221	Vehicular mobility model optimization using cooperative coevolutionary genetic algorithms. , 2013, , .		0
222	UAV fleet area coverage with network connectivity constraint. , 2013, , .		44
223	Evaluation of dynamic communities in large-scale vehicular networks. , 2013, , .		16
224	NIDISC Introduction. , 2013, , .		0
225	Trust Based Interdependency Weighting for On-Line Risk Monitoring in Interdependent Critical Infrastructures. International Journal of Secure Software Engineering, 2013, 4, 47-69.	0.4	2
226	Evolutionary Algorithms Based on Game Theory and Cellular Automata with Coalitions. Intelligent Systems Reference Library, 2013, , 481-503.	1.2	8
227	JShadObf: A JavaScript Obfuscator Based on Multi-Objective Optimization Algorithms. Lecture Notes in Computer Science, 2013, , 336-349.	1.3	5
228	Performance Evaluation and Energy Efficiency of High-Density HPC Platforms Based on Intel, AMD and ARM Processors. Lecture Notes in Computer Science, 2013, , 182-200.	1.3	31
229	Oversized Populations and Cooperative Selection: Dealing with Massive Resources in Parallel Infrastructures. Lecture Notes in Computer Science, 2013, , 444-449.	1.3	3
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