

Javier Del Ser

List of Publications by Year in descending order

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292
papers

10,279
citations

81900

39
h-index

39675

94
g-index

310
all docs

310
docs citations

310
times ranked

8490
citing authors

#	ARTICLE	IF	CITATIONS
1	Explainable Artificial Intelligence (XAI): Concepts, taxonomies, opportunities and challenges toward responsible AI. Information Fusion, 2020, 58, 82-115.	19.1	3,332
2	Bio-inspired computation: Where we stand and what's next. Swarm and Evolutionary Computation, 2019, 48, 220-250.	8.1	430
3	Data fusion and machine learning for industrial prognosis: Trends and perspectives towards Industry 4.0. Information Fusion, 2019, 50, 92-111.	19.1	373
4	A survey on applications of the harmony search algorithm. Engineering Applications of Artificial Intelligence, 2013, 26, 1818-1831.	8.1	317
5	Road Traffic Forecasting: Recent Advances and New Challenges. IEEE Intelligent Transportation Systems Magazine, 2018, 10, 93-109.	3.8	235
6	A practical tutorial on bagging and boosting based ensembles for machine learning: Algorithms, software tools, performance study, practical perspectives and opportunities. Information Fusion, 2020, 64, 205-237.	19.1	223
7	Deep Learning for Multigrade Brain Tumor Classification in Smart Healthcare Systems: A Prospective Survey. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 507-522.	11.3	203
8	A Critical Review of Robustness in Power Grids Using Complex Networks Concepts. Energies, 2015, 8, 9211-9265.	3.1	195
9	Deep Learning for Safe Autonomous Driving: Current Challenges and Future Directions. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4316-4336.	8.0	170
10	A Tutorial On the design, experimentation and application of metaheuristic algorithms to real-World optimization problems. Swarm and Evolutionary Computation, 2021, 64, 100888.	8.1	154
11	jMetalPy: A Python framework for multi-objective optimization with metaheuristics. Swarm and Evolutionary Computation, 2019, 51, 100598.	8.1	143
12	The Coral Reefs Optimization Algorithm: A Novel Metaheuristic for Efficiently Solving Optimization Problems. Scientific World Journal, The, 2014, 2014, 1-15.	2.1	136
13	Spiking Neural Networks and online learning: An overview and perspectives. Neural Networks, 2020, 121, 88-100.	5.9	136
14	Millimeter-Wave V2V Communications: Distributed Association and Beam Alignment. IEEE Journal on Selected Areas in Communications, 2017, 35, 2148-2162.	14.0	130
15	Activity Recognition Using Temporal Optical Flow Convolutional Features and Multilayer LSTM. IEEE Transactions on Industrial Electronics, 2019, 66, 9692-9702.	7.9	127
16	Comprehensive Taxonomies of Nature- and Bio-inspired Optimization: Inspiration Versus Algorithmic Behavior, Critical Analysis Recommendations. Cognitive Computation, 2020, 12, 897-939.	5.2	125
17	A new grouping genetic algorithm for clustering problems. Expert Systems With Applications, 2012, 39, 9695-9703.	7.6	121
18	A Discrete and Improved Bat Algorithm for solving a medical goods distribution problem with pharmacological waste collection. Swarm and Evolutionary Computation, 2019, 44, 273-286.	8.1	113

#	ARTICLE	IF	CITATIONS
19	Information fusion as an integrative cross-cutting enabler to achieve robust, explainable, and trustworthy medical artificial intelligence. <i>Information Fusion</i> , 2022, 79, 263-278.	19.1	100
20	Online heart monitoring systems on the internet of health things environments: A survey, a reference model and an outlook. <i>Information Fusion</i> , 2020, 53, 222-239.	19.1	97
21	Big Data for transportation and mobility: recent advances, trends and challenges. <i>IET Intelligent Transport Systems</i> , 2018, 12, 742-755.	3.0	93
22	A discrete water cycle algorithm for solving the symmetric and asymmetric traveling salesman problem. <i>Applied Soft Computing Journal</i> , 2018, 71, 277-290.	7.2	89
23	On the imputation of missing data for road traffic forecasting: New insights and novel techniques. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 90, 18-33.	7.6	79
24	A prescription of methodological guidelines for comparing bio-inspired optimization algorithms. <i>Swarm and Evolutionary Computation</i> , 2021, 67, 100973.	8.1	73
25	A Coral Reefs Optimization algorithm with Harmony Search operators for accurate wind speed prediction. <i>Renewable Energy</i> , 2015, 75, 93-101.	8.9	69
26	Weighted strategies to guide a multi-objective evolutionary algorithm for multi-UAV mission planning. <i>Swarm and Evolutionary Computation</i> , 2019, 44, 480-495.	8.1	69
27	Taming the Latency in Multi-User VR 360°: A QoE-Aware Deep Learning-Aided Multicast Framework. <i>IEEE Transactions on Communications</i> , 2020, 68, 2491-2508.	7.8	68
28	The role of local urban traffic and meteorological conditions in air pollution: A data-based case study in Madrid, Spain. <i>Atmospheric Environment</i> , 2016, 145, 424-438.	4.1	67
29	Artificial Intelligence of Things-assisted two-stream neural network for anomaly detection in surveillance Big Video Data. <i>Future Generation Computer Systems</i> , 2022, 129, 286-297.	7.5	67
30	DeepSmoke: Deep learning model for smoke detection and segmentation in outdoor environments. <i>Expert Systems With Applications</i> , 2021, 182, 115125.	7.6	66
31	Data harmonisation for information fusion in digital healthcare: A state-of-the-art systematic review, meta-analysis and future research directions. <i>Information Fusion</i> , 2022, 82, 99-122.	19.1	62
32	DeepReS: A Deep Learning-Based Video Summarization Strategy for Resource-Constrained Industrial Surveillance Scenarios. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 5938-5947.	11.3	61
33	Human Short Long-Term Cognitive Memory Mechanism for Visual Monitoring in IoT-Assisted Smart Cities. <i>IEEE Internet of Things Journal</i> , 2022, 9, 7128-7139.	8.7	61
34	Evolving Spiking Neural Networks for online learning over drifting data streams. <i>Neural Networks</i> , 2018, 108, 1-19.	5.9	60
35	Intelligent Embedded Vision for Summarization of Multiview Videos in IIoT. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 2592-2602.	11.3	60
36	Adaptive long-term traffic state estimation with evolving spiking neural networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 101, 126-144.	7.6	57

#	ARTICLE	IF	CITATIONS
37	Community detection in networks using bio-inspired optimization: Latest developments, new results and perspectives with a selection of recent meta-heuristics. <i>Applied Soft Computing Journal</i> , 2020, 87, 106010.	7.2	48
38	A multi-objective grouping Harmony Search algorithm for the optimal distribution of 24-hour medical emergency units. <i>Expert Systems With Applications</i> , 2013, 40, 2343-2349.	7.6	44
39	Centralized and distributed spectrum channel assignment in cognitive wireless networks: A Harmony Search approach. <i>Applied Soft Computing Journal</i> , 2012, 12, 921-930.	7.2	42
40	A robust cyberattack detection approach using optimal features of SCADA power systems in smart grids. <i>Applied Soft Computing Journal</i> , 2020, 96, 106658.	7.2	40
41	A novel Coral Reefs Optimization algorithm with substrate layers for optimal battery scheduling optimization in micro-grids. <i>Soft Computing</i> , 2016, 20, 4287-4300.	3.6	39
42	Device-Free People Counting in IoT Environments: New Insights, Results, and Open Challenges. <i>IEEE Internet of Things Journal</i> , 2018, 5, 4396-4408.	8.7	39
43	One-way urban traffic reconfiguration using a multi-objective harmony search approach. <i>Expert Systems With Applications</i> , 2013, 40, 3341-3350.	7.6	38
44	Bioinspired Computational Intelligence and Transportation Systems: A Long Road Ahead. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 466-495.	8.0	38
45	A deep learning approach to the inversion of borehole resistivity measurements. <i>Computational Geosciences</i> , 2020, 24, 971-994.	2.4	38
46	Novelty search for global optimization. <i>Applied Mathematics and Computation</i> , 2019, 347, 865-881.	2.2	37
47	Unsupervised Anomaly Detection in Stream Data with Online Evolving Spiking Neural Networks. <i>Neural Networks</i> , 2021, 139, 118-139.	5.9	37
48	A comparative study of two hybrid grouping evolutionary techniques for the capacitated P-median problem. <i>Computers and Operations Research</i> , 2012, 39, 2214-2222.	4.0	30
49	Vision-based personalized Wireless Capsule Endoscopy for smart healthcare: Taxonomy, literature review, opportunities and challenges. <i>Future Generation Computer Systems</i> , 2020, 113, 266-280.	7.5	30
50	Multiview Summarization and Activity Recognition Meet Edge Computing in IoT Environments. <i>IEEE Internet of Things Journal</i> , 2021, 8, 9634-9644.	8.7	30
51	Traveling salesman problem: a perspective review of recent research and new results with bio-inspired metaheuristics. , 2020, , 135-164.		30
52	Randomization-based machine learning in renewable energy prediction problems: Critical literature review, new results and perspectives. <i>Applied Soft Computing Journal</i> , 2022, 118, 108526.	7.2	29
53	Detection of non-technical losses in smart meter data based on load curve profiling and time series analysis. <i>Energy</i> , 2017, 137, 118-128.	8.8	28
54	Comparative study of pheromone control heuristics in ACO algorithms for solving RCPSPP problems. <i>Applied Soft Computing Journal</i> , 2017, 60, 241-255.	7.2	28

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55	ECG-based pulse detection during cardiac arrest using random forest classifier. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 453-462.	2.8	28
56	Deep Learning for Road Traffic Forecasting: Does it Make a Difference?. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 6164-6188.	8.0	28
57	Evaluating the Internationalization Success of Companies Through a Hybrid Grouping Harmony Searchâ€™ Extreme Learning Machine Approach. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2012, 6, 388-398.	10.8	27
58	A Coral Reefs Optimization algorithm for optimal mobile network deployment with electromagnetic pollution control criterion. <i>Applied Soft Computing Journal</i> , 2014, 24, 239-248.	7.2	27
59	Evolutionary Multitask Optimization: a Methodological Overview, Challenges, and Future Research Directions. <i>Cognitive Computation</i> , 2022, 14, 927-954.	5.2	27
60	A novel heuristic approach for distance- and connectivity-based multihop node localization in wireless sensor networks. <i>Soft Computing</i> , 2013, 17, 17-28.	3.6	26
61	Error control and loss functions for the deep learning inversion of borehole resistivity measurements. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 1629-1657.	2.8	26
62	Multi-task learning with Multi-view Weighted Fusion Attention for artery-specific calcification analysis. <i>Information Fusion</i> , 2021, 71, 64-76.	19.1	26
63	One-year-ahead energy demand estimation from macroeconomic variables using computational intelligence algorithms. <i>Energy Conversion and Management</i> , 2015, 99, 62-71.	9.2	25
64	AT-MFCGA: An Adaptive Transfer-guided Multifactorial Cellular Genetic Algorithm for Evolutionary Multitasking. <i>Information Sciences</i> , 2021, 570, 577-598.	6.9	25
65	A random-key encoded harmony search approach for energy-efficient production scheduling with shared resources. <i>Engineering Optimization</i> , 2015, 47, 1481-1496.	2.6	24
66	Evolutionary LSTM-FCN networks for pattern classification in industrial processes. <i>Swarm and Evolutionary Computation</i> , 2020, 54, 100650.	8.1	24
67	Persistence in complex systems. <i>Physics Reports</i> , 2022, 957, 1-73.	25.6	24
68	A novel grouping harmony search algorithm for the multiple-type access node location problem. <i>Expert Systems With Applications</i> , 2012, 39, 5262-5270.	7.6	23
69	A hybrid harmony search algorithm for the spread spectrum radar polyphase codes design problem. <i>Expert Systems With Applications</i> , 2012, 39, 11089-11093.	7.6	23
70	From Data to Actions in Intelligent Transportation Systems: A Prescription of Functional Requirements for Model Actionability. <i>Sensors</i> , 2021, 21, 1121.	3.8	23
71	Computational Intelligence in the hospitality industry: A systematic literature review and a prospect of challenges. <i>Applied Soft Computing Journal</i> , 2021, 102, 107082.	7.2	23
72	Fuzzy-Logic Based Framework for Spectrum Availability Assessment in Cognitive Radio Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2013, 31, 2173-2184.	14.0	21

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73	Synchronization of faulty processors in coarse-grained TMR protected partially reconfigurable FPGA designs. Reliability Engineering and System Safety, 2016, 151, 1-9.	8.9	21
74	Lights and shadows in Evolutionary Deep Learning: Taxonomy, critical methodological analysis, cases of study, learned lessons, recommendations and challenges. Information Fusion, 2021, 67, 161-194.	19.1	21
75	On the design of a novel two-objective harmony search approach for distance- and connectivity-based localization in wireless sensor networks. Engineering Applications of Artificial Intelligence, 2013, 26, 669-676.	8.1	20
76	Compact and Fast Fault Injection System for Robustness Measurements on SRAM-Based FPGAs. IEEE Transactions on Industrial Electronics, 2014, 61, 2493-2503.	7.9	20
77	DRED: An evolutionary diversity generation method for concept drift adaptation in online learning environments. Applied Soft Computing Journal, 2018, 68, 693-709.	7.2	20
78	Fuzzy Logic in Surveillance Big Video Data Analysis. ACM Computing Surveys, 2022, 54, 1-33.	23.0	20
79	Iterative power and subcarrier allocation in rate-constrained orthogonal multicarrier downlink systems based on hybrid harmony search heuristics. Engineering Applications of Artificial Intelligence, 2011, 24, 748-756.	8.1	19
80	Understanding daily mobility patterns in urban road networks using traffic flow analytics. , 2016, , .		17
81	Underwater Robot Task Planning Using Multi-Objective Meta-Heuristics. Sensors, 2017, 17, 762.	3.8	17
82	Optimal design of Microgrid's network topology and location of the distributed renewable energy resources using the Harmony Search algorithm. Soft Computing, 2019, 23, 6495-6510.	3.6	17
83	Optimal Microgrid Topology Design and Siting of Distributed Generation Sources Using a Multi-Objective Substrate Layer Coral Reefs Optimization Algorithm. Sustainability, 2019, 11, 169.	3.2	17
84	Adaptive Multifactorial Evolutionary Optimization for Multitask Reinforcement Learning. IEEE Transactions on Evolutionary Computation, 2022, 26, 233-247.	10.0	17
85	Cognitive workload classification using eye-tracking and EEG data. , 2016, , .		17
86	Energy-Aware Multi-Objective Job Shop Scheduling Optimization with Metaheuristics in Manufacturing Industries: A Critical Survey, Results, and Perspectives. Applied Sciences (Switzerland), 2022, 12, 1491.	2.5	17
87	Is the Vehicle Routing Problem Dead? An Overview Through Bioinspired Perspective and a Prospect of Opportunities. Springer Tracts in Nature-inspired Computing, 2020, , 57-84.	0.7	16
88	Efficient citywide planning of open WiFi access networks using novel grouping harmony search heuristics. Engineering Applications of Artificial Intelligence, 2013, 26, 1124-1130.	8.1	15
89	On-line Elastic Similarity Measures for time series. Pattern Recognition, 2019, 88, 506-517.	8.1	15
90	A critical literature survey and prospects on tampering and anomaly detection in image data. Applied Soft Computing Journal, 2020, 97, 106727.	7.2	15

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91	An Efficient and Scalable Simulation Model for Autonomous Vehicles With Economical Hardware. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1718-1732.	8.0	15
92	On the application of multi-objective harmony search heuristics to the predictive deployment of firefighting aircrafts: a realistic case study. International Journal of Bio-Inspired Computation, 2015, 7, 270.	0.9	14
93	Bio-inspired computation for big data fusion, storage, processing, learning and visualization: state of the art and future directions. Neural Computing and Applications, 2021, , 1-31.	5.6	14
94	Vessel-GAN: Angiographic reconstructions from myocardial CT perfusion with explainable generative adversarial networks. Future Generation Computer Systems, 2022, 130, 128-139.	7.5	14
95	Beyond WYSIWYG: Sharing contextual sensing data through mmWave V2V communications. , 2017, , .		13
96	Differential Evolution for Association Rule Mining Using Categorical and Numerical Attributes. Lecture Notes in Computer Science, 2018, , 79-88.	1.3	13
97	Bio-inspired optimization for the molecular docking problem: State of the art, recent results and perspectives. Applied Soft Computing Journal, 2019, 79, 30-45.	7.2	13
98	Analyze, Sense, Preprocess, Predict, Implement, and Deploy (ASPPID): An incremental methodology based on data analytics for cost-efficiently monitoring the industry 4.0. Engineering Applications of Artificial Intelligence, 2019, 82, 30-43.	8.1	13
99	Asymmetric Joint Source-Channel Coding for Correlated Sources with Blind HMM Estimation at the Receiver. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	2.4	12
100	Joint Source-Channel Coding of Sources with Memory using Turbo Codes and the Burrows-Wheeler Transform. IEEE Transactions on Communications, 2010, 58, 1984-1992.	7.8	12
101	On the design of a novel joint network-channel coding scheme for the multiple access relay channel. IEEE Journal on Selected Areas in Communications, 2013, 31, 1368-1378.	14.0	12
102	A feature selection method for author identification in interactive communications based on supervised learning and language typicality. Engineering Applications of Artificial Intelligence, 2016, 56, 175-184.	8.1	12
103	Hybridizing Cartesian Genetic Programming and Harmony Search for adaptive feature construction in supervised learning problems. Applied Soft Computing Journal, 2017, 52, 760-770.	7.2	12
104	On-Line Dynamic Time Warping for Streaming Time Series. Lecture Notes in Computer Science, 2017, , 591-605.	1.3	12
105	On Efficiently Solving the Vehicle Routing Problem with Time Windows Using the Bat Algorithm with Random Reinsertion Operators. Studies in Computational Intelligence, 2018, , 69-89.	0.9	12
106	What Lies Beneath: A Note on the Explainability of Black-box Machine Learning Models for Road Traffic Forecasting. , 2019, , .		12
107	Robust image classification against adversarial attacks using elastic similarity measures between edge count sequences. Neural Networks, 2020, 128, 61-72.	5.9	12
108	Adversarial Sample Crafting for Time Series Classification with Elastic Similarity Measures. Studies in Computational Intelligence, 2018, , 26-39.	0.9	11

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109	On the Application of a Novel Grouping Harmony Search Algorithm to the Switch Location Problem. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 662-672.	0.3	11
110	A novel heuristic algorithm for multiuser detection in synchronous CDMA wireless sensor networks. , 2009, , .		10
111	Performance evaluation of H.264/MPEG-4 Scalable Video Coding over IEEE 802.16e networks. , 2009, , .		10
112	A novel machine learning approach to the detection of identity theft in social networks based on emulated attack instances and support vector machines. Concurrency Computation Practice and Experience, 2016, 28, 1385-1395.	2.2	10
113	A novel Grouping Coral Reefs Optimization algorithm for optimal mobile network deployment problems under electromagnetic pollution and capacity control criteria. Expert Systems With Applications, 2016, 55, 388-402.	7.6	10
114	Model Free Identification of Traffic Conditions Using Unmanned Aerial Vehicles and Deep Learning. Journal of Big Data Analytics in Transportation, 2021, 3, 1-13.	3.0	10
115	Joint Feature Selection and Parameter Tuning for Short-Term Traffic Flow Forecasting Based on Heuristically Optimized Multi-layer Neural Networks. Advances in Intelligent Systems and Computing, 2017, , 91-100.	0.6	10
116	Joint Source-Channel Decoding of Correlated Sources over ISI Channels. , 0, , .		9
117	Robustness of different TMR granularities in shared wishbone architectures on SRAM FPGA. , 2012, , .		9
118	An Island Grouping Genetic Algorithm for Fuzzy Partitioning Problems. Scientific World Journal, The, 2014, 2014, 1-15.	2.1	9
119	Community detection in graphs based on surprise maximization using firefly heuristics. , 2016, , .		9
120	Multifactorial Cellular Genetic Algorithm (MFCGA): Algorithmic Design, Performance Comparison and Genetic Transferability Analysis. , 2020, , .		9
121	Deep Echo State Networks for Short-Term Traffic Forecasting: Performance Comparison and Statistical Assessment. , 2020, , .		9
122	Groupâ€™n Route: An Edge Learning-Based Clustering and Efficient Routing Scheme Leveraging Social Strength for the Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19589-19601.	8.0	9
123	A novel CAM-based traffic light preemption algorithm for efficient guidance of emergency vehicles. , 2010, , .		8
124	Range-free localization algorithm based on connectivity and motion. Wireless Networks, 2014, 20, 2287-2305.	3.0	8
125	On the interplay between scheduling interval and beamwidth selection for low-latency and reliable V2V mmWave communications. , 2017, , .		8
126	A heuristic approach to the multicriteria design of IaaS cloud infrastructures for Big Data applications. Expert Systems, 2018, 35, e12259.	4.5	8

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127	A Bio-inspired Approach for Collaborative Exploration with Mobile Battery Recharging in Swarm Robotics. Lecture Notes in Computer Science, 2018, , 75-87.	1.3	8
128	Hybrid Modified Firefly Algorithm for Border Detection of Skin Lesions in Medical Imaging. , 2019, , .		8
129	Stream Learning in Energy IoT Systems: A Case Study in Combined Cycle Power Plants. Energies, 2020, 13, 740.	3.1	8
130	Adaptive Dendritic Cell-Deep Learning Approach for Industrial Prognosis Under Changing Conditions. IEEE Transactions on Industrial Informatics, 2021, 17, 7760-7770.	11.3	8
131	A Harmony Search Approach for the Selective Pick-Up and Delivery Problem with Delayed Drop-Off. Advances in Intelligent Systems and Computing, 2016, , 121-131.	0.6	8
132	Dilated LSTM Networks for Short-Term Traffic Forecasting using Network-Wide Vehicle Trajectory Data. , 2020, , .		8
133	A survey on extremism analysis using natural language processing: definitions, literature review, trends and challenges. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 9869-9905.	4.9	8
134	A novel Harmony Search based spectrum allocation technique for cognitive radio networks. , 2010, , .		7
135	Automatic Fitting of Feature Points for Border Detection of Skin Lesions in Medical Images with Bat Algorithm. Studies in Computational Intelligence, 2018, , 357-368.	0.9	7
136	ECG-based Random Forest Classifier for Cardiac Arrest Rhythms. , 2019, 2019, 1504-1508.		7
137	Transfer Learning and Online Learning for Traffic Forecasting under Different Data Availability Conditions: Alternatives and Pitfalls. , 2020, , .		7
138	On Combining Distributed Joint Source-Channel-Network Coding and Turbo Equalization in Multiple Access Relay Networks. , 2007, , .		6
139	Flexible Channel Coding Approach for Short-Length Codewords. IEEE Communications Letters, 2012, 16, 1508-1511.	4.1	6
140	Nature-inspired heuristics for the multiple-vehicle selective pickup and delivery problem under maximum profit and incentive fairness criteria. , 2017, , .		6
141	Environmental Perception for Intelligent Vehicles. , 2018, , 23-101.		6
142	Big Data in Road Transport and Mobility Research. , 2018, , 175-205.		6
143	Drift Detection over Non-stationary Data Streams Using Evolving Spiking Neural Networks. Studies in Computational Intelligence, 2018, , 82-94.	0.9	6
144	Multi-objective Design of Time-Constrained Bike Routes Using Bio-inspired Meta-heuristics. Lecture Notes in Computer Science, 2018, , 197-210.	1.3	6

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145	Introduction to the Special Issue on Online Learning for Big-Data Driven Transportation and Mobility. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4621-4623.	8.0	6
146	Plausible Counterfactuals: Auditing Deep Learning Classifiers with Realistic Adversarial Examples. , 2020, , .		6
147	Data-Driven Optimization for Transportation Logistics and Smart Mobility Applications [Guest Editorial]. IEEE Intelligent Transportation Systems Magazine, 2020, 12, 6-9.	3.8	6
148	PADL: A Modeling and Deployment Language for Advanced Analytical Services. Sensors, 2020, 20, 6712.	3.8	6
149	On the post-hoc explainability of deep echo state networks for time series forecasting, image and video classification. Neural Computing and Applications, 2022, 34, 10257-10277.	5.6	6
150	Uncoded optimal binary communication for sources with memory using the Burrows Wheeler Transform. AEU - International Journal of Electronics and Communications, 2008, 62, 597-609.	2.9	5
151	Joint Source-Channel-Network Decoding and Blind Estimation of Correlated Sensors Using Concatenated Zigzag Codes. Lecture Notes in Computer Science, 2009, , 30-41.	1.3	5
152	Iterative concatenated Zigzag decoding and blind data fusion of correlated sensors. , 2009, , .		5
153	Serially-concatenated LDGM codes for correlated sources over gaussian broadcast channels. IEEE Communications Letters, 2009, 13, 788-790.	4.1	5
154	Architecture and Approach for Obtaining Spectrum Availability Information. , 2011, , .		5
155	Joint Non-Binary LDPC-BICM and Network Coding with Iterative Decoding for the Multiple Access Relay Channel. , 2011, , .		5
156	Decision-making system for obtaining spectrum availability information in opportunistic networks. , 2011, , .		5
157	A preliminary approach to near-optimal multi-hop capacitated network design using grouping-dandelion encoded heuristics. , 2012, , .		5
158	Cost-efficient deployment of multi-hop wireless networks over disaster areas using multi-objective meta-heuristics. Neurocomputing, 2018, 271, 18-27.	5.9	5
159	Bat Algorithm Swarm Robotics Approach for Dual Non-cooperative Search with Self-centered Mode. Lecture Notes in Computer Science, 2018, , 201-209.	1.3	5
160	Multi-Objective Optimization of Bike Routes for Last-Mile Package Delivery with Drop-Offs. , 2018, , .		5
161	Extending the Speed-Constrained Multi-objective PSO (SMPSO) with Reference Point Based Preference Articulation. Lecture Notes in Computer Science, 2018, , 298-310.	1.3	5
162	Cuckoo Search Algorithm for Border Reconstruction of Medical Images with Rational Curves. Lecture Notes in Computer Science, 2019, , 320-330.	1.3	5

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163	Discovering dependencies among mined association rules with population-based metaheuristics. , 2019, , .		5
164	Exploiting the stimuli encoding scheme of evolving Spiking Neural Networks for stream learning. Neural Networks, 2020, 123, 118-133.	5.9	5
165	Collaborative Exploration and Reinforcement Learning between Heterogeneously Skilled Agents in Environments with Sparse Rewards. , 2021, , .		5
166	COEBA: A Coevolutionary Bat Algorithm for Discrete Evolutionary Multitasking. Lecture Notes in Computer Science, 2020, , 244-256.	1.3	5
167	On Interlinking Linked Data Sources by Using Ontology Matching Techniques and the Map-Reduce Framework. Lecture Notes in Computer Science, 2014, , 53-60.	1.3	5
168	Social Acceptance and Usage Experiences from a Mobile Location-Aware Service Environment. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 186-197.	0.3	5
169	Ensemble Learning for Seated People Counting using WiFi Signals: Performance Study and Transferability Assessment. , 2021, , .		5
170	Source Controlled Modulation Scheme for Sources with Memory. , 2007, , .		4
171	On the application of a hybrid Harmony Search algorithm to node localization in anchor-based Wireless Sensor Networks. , 2011, , .		4
172	Novel hybrid heuristics for an extension of the dynamic relay deployment problem over disaster areas. Top, 2014, 22, 997-1016.	1.6	4
173	On the Applicability of Ant Colony Optimization to Non-Intrusive Load Monitoring in Smart Grids. Lecture Notes in Computer Science, 2015, , 312-321.	1.3	4
174	A novel adaptive density-based ACO algorithm with minimal encoding redundancy for clustering problems. , 2016, , .		4
175	A novel BRAM content accessing and processing method based on FPGA configuration bitstream. Microprocessors and Microsystems, 2017, 49, 64-76.	2.8	4
176	Let nature decide its nature: On the design of collaborative hyperheuristics for decentralized ephemeral environments. Future Generation Computer Systems, 2018, 88, 792-805.	7.5	4
177	Using Novelty Search in Differential Evolution. Communications in Computer and Information Science, 2018, , 534-542.	0.5	4
178	Return, Diversification and Risk in Cryptocurrency Portfolios using Deep Recurrent Neural Networks and Multi-Objective Evolutionary Algorithms. , 2019, , .		4
179	Combining bio-inspired meta-heuristics and novelty search for community detection over evolving graph streams. , 2019, , .		4
180	Hybridizing differential evolution and novelty search for multimodal optimization problems. , 2019, , .		4

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