Ricardo Soto

List of Publications by Year in descending order

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Version: 2024-02-01

190	1,954	331670	377865
papers	citations	21 h-index	34 g-index

208	208	208	990
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Applying Parallel and Distributed Models on Bio-Inspired Algorithms via a Clustering Method. Mathematics, 2022, 10, 274.	2.2	1
2	Stochastic Fractal Search Algorithm Improved with Opposition-Based Learning for Solving the Substitution Box Design Problem. Mathematics, 2022, 10, 2172.	2.2	2
3	An Autonomous Galactic Swarm Optimization Algorithm Supported by Hidden Markov Model. Advances in Intelligent Systems and Computing, 2021, , 354-363.	0.6	1
4	Limited Stop Services Design Considering Variable Dwell Time and Operating Capacity Constraints. IEEE Access, 2021, 9, 30359-30373.	4.2	2
5	Embedding Q-Learning in the selection of metaheuristic operators: The enhanced binary grey wolf optimizer case. , 2021, , .		9
6	A Knowledge-Based Hybrid Approach on Particle Swarm Optimization Using Hidden Markov Models. Mathematics, 2021, 9, 1417.	2.2	3
7	A Self-Adaptive Cuckoo Search Algorithm Using a Machine Learning Technique. Mathematics, 2021, 9, 1840.	2.2	8
8	Q-Learnheuristics: Towards Data-Driven Balanced Metaheuristics. Mathematics, 2021, 9, 1839.	2.2	16
9	A Learning-Based Hybrid Framework for Dynamic Balancing of Exploration-Exploitation: Combining Regression Analysis and Metaheuristics. Mathematics, 2021, 9, 1976.	2.2	3
10	A Comparison of Learnheuristics Using Different Reward Functions to Solve the Set Covering Problem. Communications in Computer and Information Science, 2021, , 74-85.	0.5	4
11	Human Behaviour Based Optimization Supported With Self-Organizing Maps for Solving the S-Box Design Problem. IEEE Access, 2021, 9, 84605-84618.	4.2	19
12	A Binary Machine Learning Cuckoo Search Algorithm Improved by a Local Search Operator for the Set-Union Knapsack Problem. Mathematics, 2021, 9, 2611.	2.2	8
13	A Novel Learning-Based Binarization Scheme Selector for Swarm Algorithms Solving Combinatorial Problems. Mathematics, 2021, 9, 2887.	2.2	11
14	A new EEG software that supports emotion recognition by using an autonomous approach. Neural Computing and Applications, 2020, 32, 11111-11127.	5.6	10
15	A binary monkey search algorithm variation for solving the set covering problem. Natural Computing, 2020, 19, 825-841.	3.0	10
16	A Q-Learning Hyperheuristic Binarization Framework to Balance Exploration and Exploitation. Communications in Computer and Information Science, 2020, , 14-28.	0.5	10
17	Analysis and Prediction of Engineering Student Behavior and Their Relation to Academic Performance Using Data Analytics Techniques. Applied Sciences (Switzerland), 2020, 10, 7114.	2.5	3
18	Exploring Further Advantages in an Alternative Formulation for the Set Covering Problem. Mathematical Problems in Engineering, 2020, 2020, 1-24.	1.1	5

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19	Automating Configuration of Convolutional Neural Network Hyperparameters Using Genetic Algorithm. IEEE Access, 2020, 8, 156139-156152.	4.2	22
20	A Reactive Population Approach on the Dolphin Echolocation Algorithm for Solving Cell Manufacturing Systems. Mathematics, 2020, 8, 1389.	2.2	5
21	Automatic Classifying of Patients With Non-Traumatic Fractures Based on Ultrasonic Guided Wave Spectrum Image Using a Dynamic Support Vector Machine. IEEE Access, 2020, 8, 194752-194764.	4.2	20
22	Advances in Recent Nature-Inspired Algorithms for Neural Engineering. Computational Intelligence and Neuroscience, 2020, 2020, 1-2.	1.7	1
23	Advanced Techniques in the Analysis and Prediction of Studentsâ€™ Behaviour in Technology-Enhanced Learning Contexts. Applied Sciences (Switzerland), 2020, 10, 6178.	2.5	3
24	An Optimized Brain-Based Algorithm for Classifying Parkinsonâ€™s Disease. Applied Sciences (Switzerland), 2020, 10, 1827.	2.5	32
25	A new metaheuristic based on vapor-liquid equilibrium for solving a new patient bed assignment problem. Expert Systems With Applications, 2020, 158, 113506.	7.6	4
26	Clustering-Based Binarization Methods Applied to the Crow Search Algorithm for 0/1 Combinatorial Problems. Mathematics, 2020, 8, 1070.	2.2	11
27	Solving complex problems using model transformations: from set constraint modeling to SAT instance solving. Expert Systems With Applications, 2020, 149, 113243.	7.6	4
28	Solving the 0/1 Knapsack Problem Using a Galactic Swarm Optimization with Data-Driven Binarization Approaches. Lecture Notes in Computer Science, 2020, , 511-526.	1.3	5
29	Ambidextrous Socio-Cultural Algorithms. Lecture Notes in Computer Science, 2020, , 923-938.	1.3	4
30	Comparison Between Stochastic Gradient Descent and VLE Metaheuristic for Optimizing Matrix Factorization. Communications in Computer and Information Science, 2020, , 153-164.	0.5	0
31	Balancing Exploration-Exploitation in the Set Covering Problem Resolution with a Self-adaptive Intelligent Water Drops Algorithm. Advances in Science, Technology and Engineering Systems, 2020, 6, 134-145.	0.5	1
32	A Binary Grasshopper Optimisation Algorithm Applied to the Set Covering Problem. Advances in Intelligent Systems and Computing, 2019, , 1-12.	0.6	3
33	A self-adaptive biogeography-based algorithm to solve the set covering problem. RAIRO - Operations Research, 2019, 53, 1033-1059.	1.8	4
34	Using a Social Media Inspired Optimization Algorithm to Solve the Set Covering Problem. Lecture Notes in Computer Science, 2019, , 43-52.	1.3	2
35	Bridges Reinforcement Through Conversion of Tied-Arch Using Crow Search Algorithm. Lecture Notes in Computer Science, 2019, , 525-535.	1.3	7
36	Optimization of Bridges Reinforcement by Conversion to Tied Arch Using an Animal Migration Algorithm. Lecture Notes in Computer Science, 2019, , 827-834.	1.3	2

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37	Galactic Swarm Optimization Applied to Reinforcement of Bridges by Conversion in Cable-Stayed Arch. Lecture Notes in Computer Science, 2019, , 108-119.	1.3	3
38	Solving the Manufacturing Cell Design Problem Using Human Behavior-Based Algorithm Supported by Autonomous Search. IEEE Access, 2019, 7, 132228-132239.	4.2	10
39	A Db-Scan Binarization Algorithm Applied to Matrix Covering Problems. Computational Intelligence and Neuroscience, 2019, 2019, 1-16.	1.7	32
40	The patient bed assignment problem solved by autonomous bat algorithm. Applied Soft Computing Journal, 2019, 81, 105484.	7.2	16
41	Data Science and AI-Based Optimization in Scientific Programming. Scientific Programming, 2019, 2019, 1-3.	0.7	1
42	Solving the Manufacturing Cell Design Problem through Binary Cat Swarm Optimization with Dynamic Mixture Ratios. Computational Intelligence and Neuroscience, 2019, 2019, 1-16.	1.7	15
43	Toward a Robust Multi-Objective Metaheuristic for Solving the Relay Node Placement Problem in Wireless Sensor Networks. Sensors, 2019, 19, 677.	3.8	15
44	Self-configuring Intelligent Water Drops Algorithm for Software Project Scheduling Problem. Advances in Intelligent Systems and Computing, 2019, , 274-283.	0.6	1
45	Solving the Manufacturing Cell Design Problem through an Autonomous Water Cycle Algorithm. Applied Sciences (Switzerland), 2019, 9, 4736.	2.5	2
46	An Adaptive Intelligent Water Drops Algorithm for Set Covering Problem. , 2019, , .		4
47	A clustering algorithm applied to the binarization of Swarm intelligence continuous metaheuristics. Swarm and Evolutionary Computation, 2019, 44, 646-664.	8.1	56
48	Andean Condor Algorithm for cell formation problems. Natural Computing, 2019, 18, 351-381.	3.0	13
49	A k-means binarization framework applied to multidimensional knapsack problem. Applied Intelligence, 2018, 48, 357-380.	5.3	64
50	Recent Advances on Swarm Intelligence for Solving Complex Engineering Problems. Mathematical Problems in Engineering, 2018, 2018, 1-1.	1.1	2
51	Automatic High-Frequency Trading: An Application to Emerging Chilean Stock Market. Scientific Programming, 2018, 2018, 1-12.	0.7	5
52	A New Metaheuristic Inspired by the Vapour-Liquid Equilibrium for Continuous Optimization. Applied Sciences (Switzerland), 2018, 8, 2080.	2.5	17
53	Adaptive Black Hole Algorithm for Solving the Set Covering Problem. Mathematical Problems in Engineering, 2018, 2018, 1-23.	1.1	17
54	Using Black Hole Algorithm to Improve EEG-Based Emotion Recognition. Computational Intelligence and Neuroscience, 2018, 2018, 1-21.	1.7	32

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55	Optimal Keyboard Design by Using Particle Swarm Optimization. Communications in Computer and Information Science, 2018, , 281-284.	0.5	1
56	Constructive Metaheuristics for the Set Covering Problem. Lecture Notes in Computer Science, 2018, , 88-99.	1.3	21
57	Novel and Classic Metaheuristics for Tunning a Recommender System for Predicting Student Performance in Online Campus. Lecture Notes in Computer Science, 2018, , 125-133.	1.3	4
58	A Percentile Transition Ranking Algorithm Applied to Binarization of Continuous Swarm Intelligence Metaheuristics. Advances in Intelligent Systems and Computing, 2018, , 3-13.	0.6	21
59	A New Thermodynamic Equilibrium-Based Metaheuristic. Advances in Intelligent Systems and Computing, 2018, , 336-346.	0.6	1
60	Solving the Set Covering Problem Using Cat Swarm Optimization Algorithm with a Variable Mixture Rate and Population Restart. Advances in Intelligent Systems and Computing, 2018, , 156-166.	0.6	0
61	Applying an Electromagnetism-Like Algorithm for Solving the Manufacturing Cell Design Problem. , 2018, , 1212-1231.		0
62	Solving the MCDP Using a League Championship Algorithm. Lecture Notes in Computer Science, 2018, , 447-453.	1.3	0
63	Solving the non-unicost set covering problem by using cuckoo search and black hole optimization. Natural Computing, 2017, 16, 213-229.	3.0	28
64	Solving Manufacturing Cell Design Problems Using the Black Hole Algorithm. Lecture Notes in Computer Science, 2017, , 391-398.	1.3	2
65	A Meta-Optimization Approach for Covering Problems in Facility Location. Communications in Computer and Information Science, 2017, , 565-578.	0.5	30
66	Solving the manufacturing cell design problem using the modified binary firefly algorithm and the egyptian vulture optimisation algorithm. IET Software, 2017, 11, 105-115.	2.1	9
67	Analyzing the effects of binarization techniques when solving the set covering problem through swarm optimization. Expert Systems With Applications, 2017, 70, 67-82.	7.6	55
68	Online control of enumeration strategies via bat algorithm and black hole optimization. Natural Computing, 2017, 16, 241-257.	3.0	17
69	Putting Continuous Metaheuristics to Work in Binary Search Spaces. Complexity, 2017, 2017, 1-19.	1.6	135
70	Structural modernization on Chilean bridges Proposal for optimization on strengthening design via Genetic algorithm. , 2017, , .		1
71	Solving the Manufacturing Cell Design Problem Using the Artificial Bee Colony Algorithm. Lecture Notes in Computer Science, 2017, , 473-484.	1.3	1
72	A Multi Dynamic Binary Black Hole Algorithm Applied to Set Covering Problem. Advances in Intelligent Systems and Computing, 2017, , 42-51.	0.6	36

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73	Applying an Electromagnetism-Like Algorithm for Solving the Manufacturing Cell Design Problem. Advances in Computational Intelligence and Robotics Book Series, 2017, , 37-61.	0.4	0
74	Scientific Programming in Computational Intelligence. Scientific Programming, 2016, 2016, 1-2.	0.7	0
75	Efficient Parallel Sorting for Migrating Birds Optimization When Solving Machine-Part Cell Formation Problems. Scientific Programming, 2016, 2016, 1-39.	0.7	10
76	Solving Biobjective Set Covering Problem Using Binary Cat Swarm Optimization Algorithm. Lecture Notes in Computer Science, 2016, , 220-231.	1.3	2
77	An Approach to Solve the Set Covering Problem with the Soccer League Competition Algorithm. Lecture Notes in Computer Science, 2016, , 373-385.	1.3	4
78	Set Covering Problem Resolution byÂBiogeography-Based Optimization Algorithm. Lecture Notes in Computer Science, 2016, , 153-165.	1.3	0
79	Solving the Set Covering Problem with a Binary Black Hole Inspired Algorithm. Lecture Notes in Computer Science, 2016, , 207-219.	1.3	3
80	Solving Set Covering Problem withÂFireworksÂExplosion. Lecture Notes in Computer Science, 2016, , 273-283.	1.3	3
81	Resolving the Manufacturing Cell Design Problem Using the Flower Pollination Algorithm. Lecture Notes in Computer Science, 2016, , 184-195.	1.3	2
82	A Binary Invasive Weed Optimization Algorithm for the Set Covering Problem. Advances in Intelligent Systems and Computing, 2016, , 459-468.	0.6	2
83	An Alternative Solution to the Software Project Scheduling Problem. Advances in Intelligent Systems and Computing, 2016, , 501-510.	0.6	0
84	A Firefly Algorithm to Solve the Manufacturing Cell Design Problem. Advances in Intelligent Systems and Computing, 2016, , 103-114.	0.6	4
85	Using autonomous search for solving constraint satisfaction problems via new modern approaches. Swarm and Evolutionary Computation, 2016, 30, 64-77.	8.1	16
86	A Nature Inspired Intelligent Water Drop Algorithm and Its Application for Solving The Set Covering Problem. Advances in Intelligent Systems and Computing, 2016, , 437-447.	0.6	4
87	Cat Swarm Optimization with Different Binarization Methods for Solving Set Covering Problems. Advances in Intelligent Systems and Computing, 2016, , 511-524.	0.6	3
88	Biogeography-Based Optimization Algorithm for Solving the Set Covering Problem. Advances in Intelligent Systems and Computing, 2016, , 273-283.	0.6	3
89	Firefly Algorithm to Solve a Project Scheduling Problem. Advances in Intelligent Systems and Computing, 2016, , 449-458.	0.6	4
90	Solving the Manufacturing Cell Design Problem via Invasive Weed Optimization. Advances in Intelligent Systems and Computing, 2016, , 115-126.	0.6	8

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91	Intelligent water drop algorithm (IWD)to solve software project scheduling problem. , 2016, , .		4
92	A Weed Colonization Inspired Algorithm for the Weighted Set Cover Problem. Lecture Notes in Computer Science, 2016, , 129-138.	1.3	0
93	A Software Project Management Problem Solved by Firefly Algorithm. Lecture Notes in Computer Science, 2016, , 40-49.	1.3	0
94	A firefly algorithm to solve the manufacturing cell design problem. , 2016, , .		3
95	Solving Manufacturing Cell Design Problems Using a Shuffled Frog Leaping Algorithm. Advances in Intelligent Systems and Computing, 2016, , 253-261.	0.6	9
96	Solving Manufacturing Cell Design Problems by Using a Bat Algorithm Approach. Lecture Notes in Computer Science, 2016, , 184-191.	1.3	2
97	Autonomous Search in Constraint Satisfaction via Black Hole: A Performance Evaluation Using Different Choice Functions. Lecture Notes in Computer Science, 2016, , 56-65.	1.3	2
98	Solving the Set Covering Problem with the Soccer League Competition Algorithm. Lecture Notes in Computer Science, 2016, , 884-891.	1.3	7
99	A Bi-Objetive Cat Swarm Optimization Algorithm for Set Covering Problem. Advances in Intelligent Systems and Computing, 2016, , 491-500.	0.6	0
100	An Artificial Fish Swarm Optimization Algorithm to Solve Set Covering Problem. Lecture Notes in Computer Science, 2016, , 892-903.	1.3	0
101	The Impact of Using Different Choice Functions When Solving CSPs with Autonomous Search. Lecture Notes in Computer Science, 2016, , 904-916.	1.3	1
102	Finding Solutions of the Set Covering Problem with an Artificial Fish Swarm Algorithm Optimization. Lecture Notes in Computer Science, 2016, , 166-181.	1.3	0
103	Enumeration strategies to solve constraint satisfaction problems: Performance evaluation. , 2015, , .		0
104	A choice functions portfolio for solving constraint satisfaction problems: a performance evaluation. , 2015, , .		0
105	Set constraint model and automated encoding into SAT: application to the social golfer problem. Annals of Operations Research, 2015, 235, 423-452.	4.1	4
106	A Marriage Theorem Based-Algorithm for Solving Sudoku. , 2015, , .		0
107	A Binary Cat Swarm Optimization Algorithm for the Non-Unicost Set Covering Problem. Mathematical Problems in Engineering, 2015, 2015, 1-8.	1.1	35
108	A Hybrid<tt>alldifferent</tt>-Tabu Search Algorithm for Solving Sudoku Puzzles. Computational Intelligence and Neuroscience, 2015, 2015, 1-10.	1.7	3

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109	Top-kBased Adaptive Enumeration in Constraint Programming. Mathematical Problems in Engineering, 2015, 2015, 1-12.	1.1	8
110	Solving the Set Covering Problem with Binary Cat Swarm Optimization. Lecture Notes in Computer Science, 2015, , 41-48.	1.3	6
111	Automated, Adaptive, and Optimized Search for CSPs via Cuckoo Search. Lecture Notes in Computer Science, 2015, , 436-447.	1.3	0
112	Modified Binary FireFly Algorithms with Different Transfer Functions for Solving Set Covering Problems. Advances in Intelligent Systems and Computing, 2015, , 307-315.	0.6	9
113	A Binary Cuckoo Search Algorithm for Solving the Set Covering Problem. Lecture Notes in Computer Science, 2015, , 88-97.	1.3	19
114	A Migrating Birds Optimization Algorithm for Machine-Part Cell Formation Problems. Lecture Notes in Computer Science, 2015, , 270-281.	1.3	15
115	Solving the Set Covering Problem with a Shuffled Frog Leaping Algorithm. Lecture Notes in Computer Science, 2015, , 41-50.	1.3	14
116	Autonomous Tuning for Constraint Programming via Artificial Bee Colony Optimization. Lecture Notes in Computer Science, 2015, , 159-171.	1.3	3
117	Binarization Methods for Shuffled Frog Leaping Algorithms That Solve Set Covering Problems. Advances in Intelligent Systems and Computing, 2015, , 317-326.	0.6	11
118	A Binary Fruit Fly Optimization Algorithm to Solve the Set Covering Problem. Lecture Notes in Computer Science, 2015, , 411-420.	1.3	9
119	A Comparison of Three Recent Nature-Inspired Metaheuristics for the Set Covering Problem. Lecture Notes in Computer Science, 2015, , 431-443.	1.3	6
120	A Teaching-Learning-Based Optimization Algorithm for Solving Set Covering Problems. Lecture Notes in Computer Science, 2015, , 421-430.	1.3	7
121	Boosting autonomous search for CSPs via skylines. Information Sciences, 2015, 308, 38-48.	6.9	14
122	The Impact of a New Formulation When Solving the Set Covering Problem Using the ACO Metaheuristic. Advances in Intelligent Systems and Computing, 2015, , 209-218.	0.6	1
123	The Complexity of Designing and Implementing Metaheuristics. Communications in Computer and Information Science, 2015, , 593-597.	0.5	0
124	A Filtering Technique for Helping to Solve Sudoku Problems. Communications in Computer and Information Science, 2015, , 598-603.	0.5	1
125	Hybrid algorithms for solving Sudokus. , 2015, , .		0
126	Using binary fruit fly algorithm for solving the set covering problem. , 2015, , .		1

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127	Binary cat swarm optimization for the set covering problem. , 2015, , .		9
128	A Timetabling Applied Case Solved with Ant Colony Optimization. Advances in Intelligent Systems and Computing, 2015, , 267-276.	0.6	3
129	Solving Manufacturing Cell Design Problems Using an Artificial Fish Swarm Algorithm. Lecture Notes in Computer Science, 2015, , 282-290.	1.3	10
130	Pre-processing, Repairing and Transfer Functions Can Help Binary Electromagnetism-Like Algorithms. Advances in Intelligent Systems and Computing, 2015, , 89-97.	0.6	13
131	Online Control of Enumeration Strategies via Bat-Inspired Optimization. Lecture Notes in Computer Science, 2015, , 1-10.	1.3	3
132	Experiential Solving: Towards a Unified Autonomous Search Constraint Solving Approach. Communications in Computer and Information Science, 2015, , 573-577.	0.5	0
133	Towards a Framework for Adaptive Constraint Propagation. Communications in Computer and Information Science, 2015, , 578-581.	0.5	0
134	Leadership in Agile Software Development Methods. Communications in Computer and Information Science, 2015, , 154-158.	0.5	0
135	A Prefiltered Cuckoo Search Algorithm with Geometric Operators for Solving Sudoku Problems. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	14
136	Application of the Artificial Bee Colony Algorithm for Solving the Set Covering Problem. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	56
137	Comparing Evolutionary Strategies on a Biobjective Cultural Algorithm. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	4
138	Agile Software Teams Can Use Conflict to Create a Better Products. Communications in Computer and Information Science, 2014, , 24-29.	0.5	9
139	A Bicriteria Approach Identifying Nondominated Portfolios. Journal of Applied Mathematics, 2014, 2014, 1-8.	0.9	1
140	Solving sudokus via metaheuristics and AC3. , 2014, , .		1
141	Max-Min Ant System to solve the software project scheduling problem. , 2014, , .		0
142	Binary Firefly algorithm for the set covering problem. , 2014, , .		17
143	A Maxâ€“Min Ant System algorithm to solve the Software Project Scheduling Problem. Expert Systems With Applications, 2014, 41, 6634-6645.	7.6	40
144	Using the Firefly Optimization Method to Solve the Weighted Set Covering Problem. Communications in Computer and Information Science, 2014, , 509-514.	0.5	5

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145	An Artificial Bee Colony Algorithm for the Set Covering Problem. Advances in Intelligent Systems and Computing, 2014, , 53-63.	0.6	14
146	A Binary Firefly Algorithm for the Set Covering Problem. Advances in Intelligent Systems and Computing, 2014, , 65-73.	0.6	30
147	Modeling Manufacturing Cell Design Problems: CP vs. MH. Communications in Computer and Information Science, 2014, , 498-502.	0.5	3
148	The Use of Metaheuristics to Software Project Scheduling Problem. Lecture Notes in Computer Science, 2014, , 215-226.	1.3	5
149	A 2-level Approach for the Set Covering Problem: Parameter Tuning of Artificial Bee Colony Algorithm by Using Genetic Algorithm. Lecture Notes in Computer Science, 2014, , 189-196.	1.3	4
150	A 2-level Metaheuristic for the Set Covering Problem. International Journal of Computers, Communications and Control, 2014, 7, 377.	1.8	16
151	The Influence of Emotions on Productivity in Software Engineering. Communications in Computer and Information Science, 2014, , 307-310.	0.5	5
152	Easy Modeling of Open Pit Mining Problems via Constraint Programming. Communications in Computer and Information Science, 2014, , 519-522.	0.5	0
153	A New Approach to Solve the Software Project Scheduling Problem Based on Maxâ€“Min Ant System. Advances in Intelligent Systems and Computing, 2014, , 41-51.	0.6	1
154	Self-adaptive Systems: Facilitating the Use of Combinatorial Problem Solvers. Communications in Computer and Information Science, 2014, , 503-508.	0.5	1
155	Autonomous Search: Towards the Easy Tuning of Constraint Programming Solvers. Communications in Computer and Information Science, 2014, , 165-168.	0.5	1
156	Robust Solutions for a Robotic Manipulator Optimization Problem. Lecture Notes in Computer Science, 2013, , 451-460.	1.3	0
157	Ants Can Schedule Software Projects. Communications in Computer and Information Science, 2013, , 635-639.	0.5	4
158	On the Pursuit of Reliable Solutions for a Robotic Optimization Problem. AASRI Procedia, 2013, 4, 26-30.	0.6	1
159	Modeling the Portfolio Selection Problem with Constraint Programming. Communications in Computer and Information Science, 2013, , 645-649.	0.5	2
160	A reactive and hybrid constraint solver. Journal of Experimental and Theoretical Artificial Intelligence, 2013, 25, 1-22.	2.8	29
161	Modeling NRPs with Soft and Reified Constraints. AASRI Procedia, 2013, 4, 202-205.	0.6	2
162	Parameter tuning of a choice-function based hyperheuristic using Particle Swarm Optimization. Expert Systems With Applications, 2013, 40, 1690-1695.	7.6	81

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163	A hybrid AC3-tabu search algorithm for solving Sudoku puzzles. Expert Systems With Applications, 2013, 40, 5817-5821.	7.6	32
164	Agile Software Development: It Is about Knowledge Management and Creativity. Lecture Notes in Computer Science, 2013, , 98-113.	1.3	14
165	A Hybrid Soft Computing Approach for Subset Problems. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	10
166	Solving the Balanced Academic Curriculum Problem Using the ACO Metaheuristic. Mathematical Problems in Engineering, 2013, 2013, 1-8.	1.1	5
167	Solving a Novel Inventory Location Model with Stochastic Constraints and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo>,</mml:mo><mml:mi>s</mml:mi><mml:mo>,</mml:mo><mml:mi>S</mml:mi> Engineering, 2013, 2013, 1-12.	1.1	16
168	Cultural Algorithms for the Set Covering Problem. Lecture Notes in Computer Science, 2013, , 27-34.	1.3	26
169	Adaptive and Multilevel Approach for Constraint Solving. Communications in Computer and Information Science, 2013, , 650-654.	0.5	1
170	Parameter Tuning of Metaheuristics Using Metaheuristics. Advanced Science Letters, 2013, 19, 3556-3559.	0.2	9
171	Automatic Triggering of Constraint Propagation. Lecture Notes in Computer Science, 2013, , 452-461.	1.3	0
172	A GUI for Modeling Regular Constraints. Communications in Computer and Information Science, 2013, , 660-663.	0.5	0
173	Interleaving Constraint Propagation: An Efficient Cooperative Search with Branch and Bound. Lecture Notes in Computer Science, 2013, , 52-61.	1.3	1
174	A Hyperheuristic Approach for Guiding Enumeration in Constraint Solving. Advances in Intelligent Systems and Computing, 2013, , 171-188.	0.6	4
175	A Hybrid Approach Using an Artificial Bee Algorithm with Mixed Integer Programming Applied to a Large-Scale Capacitated Facility Location Problem. Mathematical Problems in Engineering, 2012, 2012, 1-14.	1.1	18
176	Agile software teams must be creatives. , 2012, , .		5
177	Agile software engineering as creative work. , 2012, , .		13
178	Cell formation in group technology using constraint programming and Boolean satisfiability. Expert Systems With Applications, 2012, 39, 11423-11427.	7.6	40
179	Solving Manufacturing Cell Design Problems Using Constraint Programming. Lecture Notes in Computer Science, 2012, , 400-406.	1.3	14
180	Using Autonomous Search for Generating Good Enumeration Strategy Blends in Constraint Programming. Lecture Notes in Computer Science, 2012, , 607-617.	1.3	27

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181	A Cultural Algorithm Applied in a Bi-Objective Uncapacitated Facility Location Problem. Lecture Notes in Computer Science, 2011, , 477-491.	1.3	3
182	A Hyperheuristic Approach for Dynamic Enumeration Strategy Selection in Constraint Satisfaction. Lecture Notes in Computer Science, 2011, , 295-304.	1.3	21
183	Constraint-Based Nurse Rostering for the ValparaÃso Clinic Center in Chile. Communications in Computer and Information Science, 2011, , 448-452.	0.5	3
184	Extensible CP-Based Autonomous Search. Communications in Computer and Information Science, 2011, , 561-565.	0.5	15
185	Finding the Maximal Pose Error in Robotic Mechanical Systems Using Constraint Programming. Lecture Notes in Computer Science, 2010, , 82-91.	1.3	4
186	High-Level Modeling of Component-Based CSPs. Lecture Notes in Computer Science, 2010, , 233-242.	1.3	5
187	Controlling Search in Constrained-Object Models. Lecture Notes in Computer Science, 2010, , 582-591.	1.3	5
188	Model-driven constraint programming. , 2008, , .		12
189	Tuning Constrained Objects. Lecture Notes in Computer Science, 2008, , 408-414.	1.3	0
190	The Design of COMMA: An Extensible Framework for Mapping Constrained Objects to Native Solver Models. , 2007, , .		6