Roman Senkerik

List of Publications by Year
in descending order

269 papers	2,046 citations	448610 19 h-index	425179 34 g-index
295 all docs	295 docs citations	295 times ranked	882 citing authors

#	Article	IF	Citations
1	Scouting of Whiteflies in Tomato Greenhouse Environment Using Deep Learning. Smart Innovation, Systems and Technologies, 2022, , 323-335.	0.5	0
2	Chaos Driven Evolutionary Algorithm: a Novel Approach for Optimization. International Journal of Systems Applications Engineering & Development, 2022, 16, 21-25.	0.2	0
3	Using spatial neighborhoods for parameter adaptation: An improved success history based differential evolution. Swarm and Evolutionary Computation, 2022, 71, 101057.	4.5	22
4	Orthogonal Learning Firefly Algorithm. Logic Journal of the IGPL, 2021, 29, 167-179.	1.3	1
5	How Does the Number of Objective Function Evaluations Impact Our Understanding of Metaheuristics Behavior?. IEEE Access, 2021, 9, 44032-44048.	2.6	14
6	Explaining SOMA. , 2021, , .		3
7	Self-organizing migrating algorithm with clustering-aided migration and adaptive perturbation vector control. , 2021, , .		4
8	Analytic Programming â€“ a Novel Tool for Synthesis of Controller for Chaotic Lozi Map. International Journal of Computers and Communications, 2021, 15, 50-55.	0.2	0
9	Extended experimental study on PSO with partial population restart based on complex network analysis. Logic Journal of the IGPL, 2020, 28, 211-225.	1.3	0
10	A Lightweight SHADE-Based Algorithm for Global Optimization - liteSHADE. Lecture Notes in Electrical Engineering, 2020, , 197-206.	0.3	0
11	Chaos-enhanced multiple-choice strategy for particle swarm optimisation. International Journal of Parallel, Emergent and Distributed Systems, 2020, 35, 603-616.	0.7	2
12	Automatic Detection of White Blood Cancer From Bone Marrow Microscopic Images Using Convolutional Neural Networks. IEEE Access, 2020, 8, 142521-142531.	2.6	78
13	DISH-XX Solving CEC2020 Single Objective Bound Constrained Numerical optimization Benchmark. , 2020, , .		4
14	Pareto-Based Self-organizing Migrating Algorithm Solving 100-Digit Challenge. Communications in Computer and Information Science, 2020, , 13-20.	0.4	2
15	Supervised Classification Methods for Fake News Identification. Lecture Notes in Computer Science, 2020, , 445-454.	1.0	3
16	Self-organizing migrating algorithm with clustering-aided migration. , 2020, , .		12
17	Efficient Image Retrieval by Fuzzy Rules from Boosting and Metaheuristic. Journal of Artificial Intelligence and Soft Computing Research, 2020, 10, 57-69.	3.5	28
18	Introducing the Run Support Strategy for the Bison Algorithm. Lecture Notes in Electrical Engineering, 2020, , 272-282.	0.3	3

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19	A Brief Overview of the Synergy Between Metaheuristics and Unconventional Dynamics. Lecture Notes in Electrical Engineering, 2020, , 344-356.	0.3	1
20	Boundary Strategies for Self-organizing Migrating Algorithm Analyzed Using CECâ€™17 Benchmark. Communications in Computer and Information Science, 2020, , 58-69.	0.4	1
21	Swarm intelligence in cybersecurity. , 2020, , .		2
22	Why Tuning the Control Parameters of Metaheuristic Algorithms Is So Important for Fair Comparison?. Mendel, 2020, 26, 9-16.	0.5	21
23	SOMA T3A for Solving the 100-Digit Challenge. Communications in Computer and Information Science, 2020, , 155-165.	0.4	6
24	Cascade PID Controller Optimization Using Bison Algorithm. Lecture Notes in Computer Science, 2020, , 406-416.	1.0	0
25	Neural Swarm Virus. Communications in Computer and Information Science, 2020, , 122-134.	0.4	6
26	Insight into Adaptive Differential Evolution Variants with Unconventional Randomization Schemes. Communications in Computer and Information Science, 2020, , 177-188.	0.4	1
27	Is Chaotic Randomization Advantageous for Higher Dimensional Optimization Problems?. Lecture Notes in Computer Science, 2020, , 423-434.	1.0	1
28	Ensemble of strategies and perturbation parameter based SOMA for optimal stabilization of chaotic oscillations. , 2020, , .		0
29	Introducing Self-Adaptive Parameters to Self-organizing Migrating Algorithm. , 2019, , .		1
30	Evolutionary Algorithms Applied to a Shielding Enclosure Design. Lecture Notes in Computer Science, 2019, , 445-455.	1.0	1
31	On Relation Between Swarm and Evolutionary Dynamics and Complex Networks. Springer Proceedings in Complexity, 2019, , 245-260.	0.2	0
32	Ensemble of Strategies and Perturbation Parameter Based SOMA for Constrained Technological Design Optimization Problem. , 2019, , .		1
33	The Ensemble of Strategies and Perturbation Parameter in Self-organizing Migrating Algorithm Solving CEC 2019 100-Digit Challenge. , 2019, , .		8
34	DISH Algorithm Solving the CEC 2019 100-Digit Challenge. , 2019, , .		8
35	Population Diversity Analysis in Adaptive Differential Evolution Variants with Unconventional Randomization Schemes. Lecture Notes in Computer Science, 2019, , 506-518.	1.0	3
36	An Algorithm for Swarm Robot to Avoid Multiple Dynamic Obstacles and to Catch the Moving Target. Lecture Notes in Computer Science, 2019, , 666-675.	1.0	8

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37	Forecasting Cryptocurrency Value by Sentiment Analysis: An HPC-Oriented Survey of the State-of-the-Art in the Cloud Era. Lecture Notes in Computer Science, 2019, , 325-349.	1.0	4
38	Distance based parameter adaptation for Success-History based Differential Evolution. Swarm and Evolutionary Computation, 2019, 50, 100462.	4.5	91
39	Towards Human Cell Simulation. Lecture Notes in Computer Science, 2019, , 221-249.	1.0	6
40	Distance vs. Improvement Based Parameter Adaptation in SHADE. Advances in Intelligent Systems and Computing, 2019, , 455-464.	0.5	0
41	On the Applicability of Random and the Best Solution Driven Metaheuristics for Analytic Programming and Time Series Regression. Advances in Intelligent Systems and Computing, 2019, , 489-498.	0.5	0
42	Enhanced Archive for SHADE. Advances in Intelligent Systems and Computing, 2019, , 40-55.	0.5	0
43	Comparison of Three Novelty Approaches to Constants (Ks) Handling in Analytic Programming Powered by SHADE. Advances in Intelligent Systems and Computing, 2019, , 134-145.	0.5	1
44	Randomization of Individuals Selection in Differential Evolution. Advances in Intelligent Systems and Computing, 2019, , 180-191.	0.5	1
45	Analyzing Control Parameters in DISH. Lecture Notes in Computer Science, 2019, , 519-529.	1.0	0
46	Agile approach in multi-criterial decision making. International Journal of Manufacturing Technology and Management, 2019, 33, 256.	0.1	0
47	Investigation on evolutionary algorithms powered by nonrandom processes. Soft Computing, 2018, 22, 1791-1801.	2.1	6
48	Elliott waves classification by means of neural and pseudo neural networks. Soft Computing, 2018, 22, 1803-1813.	2.1	2
49	Modified progressive random walk with chaotic PRNG. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 450-459.	0.7	5
50	A Review of Real-World Applications of Particle Swarm Optimization Algorithm. Lecture Notes in Electrical Engineering, 2018, , 115-122.	0.3	12
51	Differential Evolution for Constrained Industrial Optimization. Lecture Notes in Electrical Engineering, 2018, , 123-132.	0.3	1
52	Firefly Algorithm: Enhanced Version with Partial Population Restart Using Complex Network Analysis. Lecture Notes in Electrical Engineering, 2018, , 59-68.	0.3	0
53	L-SHADE Algorithm with Distance Based Parameter Adaptation. Lecture Notes in Electrical Engineering, 2018, , 69-80.	0.3	2
54	Why Simple Population Restart Does Not Work in PSO. , 2018, , .		2

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55	Gamesourcing: Perspectives and Implementations. , 2018, , .		2
56	On the Population Diversity for the Chaotic Differential Evolution. , 2018, , .		7
57	On the Performance Significance of Boundary Strategies for Firefly Algorithm. , 2018, , .		0
58	Chaos Driven PSO with Attractive Search Space Border Points. , 2018, , .		4
59	Cluster Occurrence in the DbL_SHADE Population. , 2018, , .		1
60	Differential Evolution and Chaotic Series. , 2018, , .		4
61	Cross Platform Configurable ERP Framework. , 2018, , .		0
62	Comparing Boundary Control Methods for Firefly Algorithm. Lecture Notes in Computer Science, 2018, , 163-173.	1.0	2
63	Swarm virus - Next-generation virus and antivirus paradigm?. Swarm and Evolutionary Computation, 2018, 43, 207-224.	4.5	18
64	How Distance Based Parameter Adaptation Affects Population Diversity. Lecture Notes in Computer Science, 2018, , 307-319.	1.0	0
65	Multi-swarm Optimization Algorithm Based on Firefly and Particle Swarm Optimization Techniques. Lecture Notes in Computer Science, 2018, , 405-416.	1.0	6
66	Population Diversity Analysis for the Chaotic Based Selection of Individuals in Differential Evolution. Lecture Notes in Computer Science, 2018, , 283-294.	1.0	1
67	Particle Swarm Optimization with Single Particle Repulsivity for Multi-modal Optimization. Lecture Notes in Computer Science, 2018, , 486-494.	1.0	1
68	Addressing Premature Convergence with Distance based Parameter Adaptation in SHADE. , 2018, , .		0
69	Differential Evolution and Analytic Programming in the case of Trigonometric Identities Discovery. , 2018, , .		0
70	How Unconventional Chaotic Pseudo-Random Generators Influence Population Diversity in Differential Evolution. Lecture Notes in Computer Science, 2018, , 524-535.	1.0	4
71	Randomization and Complex Networks for Meta-Heuristic Algorithms. Emergence, Complexity and Computation, 2018, , 177-194.	0.2	3
72	Towards Better Population Sizing for Differential Evolution Through Active Population Analysis with Complex Network. Advances in Intelligent Systems and Computing, 2018, , 225-235.	0.5	4

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73	Gallery of Evolutionary Networks. Emergence, Complexity and Computation, 2018, , 195-210.	0.2	0
74	Complex Networks in Particle Swarm. Emergence, Complexity and Computation, 2018, , 145-159.	0.2	0
75	On the Prolonged Exploration of Distance Based Parameter Adaptation in SHADE. Lecture Notes in Computer Science, 2018, , 561-571.	1.0	0
76	New Running Technique for the Bison Algorithm. Lecture Notes in Computer Science, 2018, , 417-426.	1.0	1
77	Boundary Strategies For Firefly Algorithm Analysed Using CEC`17 Benchmark. , 2018, , .		2
78	Chaos based optimization: Implementations and possibilities. AIP Conference Proceedings, 2017, , .	0.3	0
79	ARPSO and fk-PSO on CEC 15 benchmark â€“ Comparative study. AIP Conference Proceedings, 2017, , .	0.3	0
80	SHADE Algorithm Dynamic Analyzed Through Complex Network. Lecture Notes in Computer Science, 2017, , 666-677.	1.0	0
81	Study on the Development of Complex Network for Evolutionary and Swarm Based Algorithms. Lecture Notes in Computer Science, 2017, , 151-161.	1.0	1
82	Differential evolution with preferential interaction network. , 2017, , .		3
83	On the impact of cognitive factor in PSO â€“ Testing on selected functions from CEC 15 benchmark. AIP Conference Proceedings, 2017, , .	0.3	0
84	Distance based parameter adaptation for differential evolution. , 2017, , .		14
85	Exploring the shortest path in PSO communication network. , 2017, , .		4
86	Partial population restart of firefly algorithm using complex network analysis. , 2017, , .		1
87	How chaotic sequences and generator sequencing affect the particle trajectory in PSO. , 2017, , .		0
88	Performance comparison of differential evolution driving analytic programming for regression. , 2017, , .		1
89	Synthetic objective function to improve the performance of DE â€“ Initial study. AIP Conference Proceedings, 2017, , .	0.3	0
90	Advanced Testing Tool for .NET Applications. , 2017, , .		0

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91	Comparing Border Strategies for Roaming Particles on Single and Multi-swarm PSO. Advances in Intelligent Systems and Computing, 2017, , 528-536.	0.5	4
92	On the Randomization of Indices Selection for Differential Evolution. Advances in Intelligent Systems and Computing, 2017, , 537-547.	0.5	2
93	Hybridization of Multi-chaotic Dynamics and Adaptive Control Parameter Adjusting jDE Strategy. Advances in Intelligent Systems and Computing, 2017, , 77-87.	0.5	5
94	Comparing Strategies for Search Space Boundaries Violation in PSO. Lecture Notes in Computer Science, 2017, , 655-664.	1.0	4
95	Archive Analysis in SHADE. Lecture Notes in Computer Science, 2017, , 688-699.	1.0	2
96	Hypersphere Universe Boundary Method Comparison on HCLPSO and PSO. Lecture Notes in Computer Science, 2017, , 173-182.	1.0	1
97	PSO with Partial Population Restart Based on Complex Network Analysis. Lecture Notes in Computer Science, 2017, , 183-192.	1.0	11
98	Uncovering Communication Density In PSO Using Complex Network. , 2017, , .		3
99	Comparison of Swarm and Evolutionary Based Algorithms for the Stabilization of Chaotic Oscillations. Lecture Notes in Electrical Engineering, 2017, , 63-73.	0.3	0
100	PSO with Attractive Search Space Border Points. Lecture Notes in Computer Science, 2017, , 665-675.	1.0	2
101	Hybridization of Analytic Programming and Differential Evolution for Time Series Prediction. Lecture Notes in Computer Science, 2017, , 686-698.	1.0	1
102	Differential Evolution Driven Analytic Programming for Prediction. Lecture Notes in Computer Science, 2017, , 676-687.	1.0	2
103	Research on Processing the Brain Activity in BCI System. Advances in Computational Intelligence and Robotics Book Series, 2017, , 152-178.	0.4	0
104	Analysis and Classification Tools for Automatic Process of Punches and Kicks Recognition. Advances in Computational Intelligence and Robotics Book Series, 2017, , 127-151.	0.4	0
105	Detecting Potential Design Weaknesses in SHADE Through Network Feature Analysis. Lecture Notes in Computer Science, 2017, , 662-673.	1.0	1
106	The Influence of Archive Size to SHADE. Advances in Intelligent Systems and Computing, 2017, , 517-527.	0.5	0
107	SHADE Mutation Strategy Analysis Via Dynamic Simulation In Complex Network. , 2017, , .		0
108	Different Approaches For Constant Estimation In Analytic Programming. , 2017, , .		0

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109	Firework Algorithm Dynamics Simulated And Analyzed With The Aid Of Complex Network. , 2017, , .		3
110	Strange Nonchaotic Attractors in Evolutionary Processing of Astroinformatic Big Data. , 2016, , .		0
111	Multi-criterial evaluation â€“ general overview. AIP Conference Proceedings, 2016, , .	0.3	3
112	Steady success clusters in Differential Evolution. , 2016, , .		3
113	Comparing selected PSO modifications on CEC 15 benchmark set. , 2016, , .		2
114	On the Transforming of the Indices Selection Mechanism inside Differential Evolution into Complex Network. , 2016, , .		1
115	Multiswarm PSO with supersized swarms - Initial performance study. AIP Conference Proceedings, 2016, , .	0.3	0
116	Success-history based adaptive differential evolution algorithm with multi-chaotic framework for parent selection performance on CEC2014 benchmark set. , 2016, , .		33
117	Complex network analysis in PSO as an fitness landscape classifier. , 2016, , .		6
118	Network Based Linear Population Size Reduction in SHADE. , 2016, , .		16
119	Comparison of MCDM methods with users' evaluation. , 2016, , .		7
120	Converting PSO dynamics into complex network - Initial study. AIP Conference Proceedings, 2016, , .	0.3	3
121	Artificial Intelligence Perspectives in Intelligent Systems. Advances in Intelligent Systems and Computing, 2016, , .	0.5	10
122	Creating Complex Networks Using Multi-swarm PSO. , 2016, , .		1
123	On the adaptivity and complexity embedded into differential evolution. AIP Conference Proceedings, 2016, , .	0.3	1
124	ViewModel Visualization Tool. , 2016, , .		1
125	On the influence of different randomization and complex network analysis for differential evolution. , 2016, , .		11
126	Study on the Time Development of Complex Network for Metaheuristic. Advances in Intelligent Systems and Computing, 2016, , 525-533.	0.5	7

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127	DSOMAâ€"Discrete Self Organising Migrating Algorithm. Studies in Computational Intelligence, 2016, , 51-63.	0.7	7
128	Model for comprehensive approach to security management. International Journal of Systems Assurance Engineering and Management, 2016, 7, 129-137.	1.5	0
129	Inspired in SOMA: Perturbation Vector Embedded into the Chaotic PSO Algorithm Driven by Lozi Chaotic Map. Studies in Computational Intelligence, 2016, , 277-289.	0.7	2
130	PSO as Complex Networkâ€"Capturing the Inner Dynamicsâ€"Initial Study. Advances in Intelligent Systems and Computing, 2016, , 551-559.	0.5	16
131	Particle Swarm Optimizer with Diversity Measure Based on Swarm Representation in Complex Network. Advances in Intelligent Systems and Computing, 2016, , 561-569.	0.5	10
132	Capturing Inner Dynamics of Firefly Algorithm in Complex Networkâ€"Initial Study. Advances in Intelligent Systems and Computing, 2016, , 571-577.	0.5	11
133	Preliminary Study on the Randomization and Sequencing for the Chaos Embedded Heuristic. Advances in Intelligent Systems and Computing, 2016, , 591-601.	0.5	8
134	Lozi Map Generated Initial Population in Analytical Programming. Advances in Intelligent Systems and Computing, 2016, , 297-306.	0.5	1
135	Multi-chaotic System Induced Success-History Based Adaptive Differential Evolution. Lecture Notes in Computer Science, 2016, , 517-527.	1.0	1
136	Multi-chaotic Approach for Particle Acceleration in PSO. Lecture Notes in Computer Science, 2016, , 75-86.	1.0	1
137	Study On Swarm Dynamics Converted Into Complex Network. , 2016, , .		4
138	Single and Multi Chaos Enhanced Differential Evolution on the Selected PID Tuning Problem. Lecture Notes in Electrical Engineering, 2016, , 563-572.	0.3	0
139	Extended Study on the Randomization andÂSequencing for the Chaos Embedded Heuristic. Lecture Notes in Computer Science, 2016, , 493-504.	1.0	1
140	Chaos PSO with Super-Sized Swarmâ€"Initial Study. Advances in Intelligent Systems and Computing, 2016, , 527-535.	0.5	0
141	Hybridization of Chaotic Systems and Success-History Based Adaptive Differential Evolution. Lecture Notes in Computer Science, 2016, , 145-156.	1.0	0
142	Control Law and Pseudo Neural Networks Synthesized by Evolutionary Symbolic Regression Technique. Simulation Foundations, Methods and Applications, 2016, , 91-113.	0.8	1
143	Chaos Enhanced Repulsive MC-PSO/DE Hybrid. Lecture Notes in Computer Science, 2016, , 465-475.	1.0	1
144	On The Simulation Of Complex Chaotic Dynamics For Chaos Based Optimization. , 2016, , .		0

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145	Analytical Programming With Extended Individuals. , 2016, , .		5
146	Chaos Enhanced Differential Evolution in the Task of Evolutionary Control of Discrete Chaotic LOZI Map. Advances in Electrical and Electronic Engineering, 2016, 14, .	0.2	0
147	On the parameter settings for the chaotic dynamics embedded differential evolution. , 2015, , .		11
148	Towards an Empirical Analysis of .NET Framework and C# Language Features' Adoption. , 2015, , .		4
149	Integrated security system management and incident management from the perspective of organizational structure. , 2015, , .		0
150	Software Engineering in Intelligent Systems. Advances in Intelligent Systems and Computing, 2015, , .	0.5	2
151	Artificial Intelligence Perspectives and Applications. Advances in Intelligent Systems and Computing, 2015, , .	0.5	2
152	Intelligent Systems in Cybernetics and Automation Theory. Advances in Intelligent Systems and Computing, 2015, , .	0.5	5
153	New Adaptive Approach for Multi-chaotic Differential Evolution Concept. Lecture Notes in Computer Science, 2015, , 234-243.	1.0	2
154	Multiple choice strategy with dimensional mutation for PSO algorithm enhanced with chaotic dissipative standard map. , 2015, , .		2
155	Investigation on evolutionary predictive control of chemical reactor. Journal of Applied Logic, 2015, 13, 156-166.	1.1	10
156	An Initial Study on the New Adaptive Approach for Multi-chaotic Differential Evolution. Advances in Intelligent Systems and Computing, 2015, , 355-362.	0.5	2
157	Hybridization of Adaptivity and Chaotic Dynamics for Differential Evolution. Advances in Intelligent Systems and Computing, 2015, , 149-158.	0.5	1
158	Chaos particle swarm optimization with Eensemble of chaotic systems. Swarm and Evolutionary Computation, 2015, 25, 29-35.	4.5	49
159	PSO algorithm enhanced with Lozi Chaotic Map - Tuning experiment. AIP Conference Proceedings, 2015, , .	0.3	3
160	Performance of Multi-chaotic PSO on a shifted benchmark functions set. AIP Conference Proceedings, 2015, , .	0.3	0
161	Does Evolutionary Dynamics Need Randomness, Complexity or Determinism?. Emergence, Complexity and Computation, 2015, , 195-203.	0.2	1
162	A Brief Survey on the Chaotic Systems as the Pseudo Random Number Generators. Emergence, Complexity and Computation, 2015, , 205-214.	0.2	2

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163	Chaos Driven PSO â€“ On the Influence of Various CPRNG Implementations â€“ An Initial Study. Emergence, Complexity and Computation, 2015, , 225-237.	0.2	1
164	MC-PSO/DE Hybrid with Repulsive Strategy â€“ Initial Study. Lecture Notes in Computer Science, 2015, , 213-220.	1.0	2
165	Proposal Of Evaluation Criteria For Free And Open Source Tools For Modelling And Support Of IT Service Management According To ITIL. , 2015, , .		3
166	Chaos Enhanced Differential Evolution in the Task of Evolutionary Control of Selected Set of Discrete Chaotic Systems. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	5
167	Scatter Search Algorithm with chaos based stochasticity. , 2014, , .		2
168	Modern Trends and Techniques in Computer Science. Advances in Intelligent Systems and Computing, 2014, , .	0.5	3
169	Complex network analysis of differential evolution algorithm applied to flowshop with no-wait problem. , 2014, , .		34
170	Gathering algorithm: A new concept of PSO based metaheuristic with dimensional mutation. , 2014, , .		1
171	Particle swarm optimization algorithm driven by multichaotic number generator. Soft Computing, 2014, 18, 631-639.	2.1	39
172	Utilising the chaos-induced discrete self organising migrating algorithm to solve the lot-streaming flowshop scheduling problem with setup time. Soft Computing, 2014, 18, 669-681.	2.1	19
173	Performance of Chaos Driven Differential Evolution on Shifted Benchmark Functions Set. Advances in Intelligent Systems and Computing, 2014, , 41-50.	0.5	13
174	Multi-chaotic Differential Evolution: A Preliminary Study. Lecture Notes in Computer Science, 2014, , 416-427.	1.0	0
175	On the Simulation of the Brain Activity: A Brief Survey. Advances in Intelligent Systems and Computing, 2014, , 105-115.	0.5	0
176	Evolutionary algorithms dynamics and its hidden complex network structures. , 2014, , .		30
177	Utilization of analytic programming for the evolutionary synthesis of the robust multi-chaotic controller for selected sets of discrete chaotic systems. Soft Computing, 2014, 18, 651-668.	2.1	5
178	Multiple Choice Strategy Based PSO Algorithm with Chaotic Decision Making â€“ A Preliminary Study. Advances in Intelligent Systems and Computing, 2014, , 21-30.	0.5	12
179	Analytic Programmingâ€"A New Tool for Synthesis of Controller for Discrete Chaotic Lozi Map. Lecture Notes in Electrical Engineering, 2014, , 137-151.	0.3	1
180	Complex Network Analysis of Discrete Self-organising Migrating Algorithm. Advances in Intelligent Systems and Computing, 2014, , 161-174.	0.5	17

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181	Evolutionary Control of Chaotic Lozi Map by Means of Chaos Driven Differential Evolution. Lecture Notes in Electrical Engineering, 2014, , 371-380.	0.3	2
182	Chaos Powered Symbolic Regression in Be Stars Spectra Modeling. Emergence, Complexity and Computation, 2014, , 131-139.	0.2	2
183	Chaos Driven Particle Swarm Optimization with Basic Particle Performance Evaluation â€“ An Initial Study. Lecture Notes in Computer Science, 2014, , 445-454.	1.0	1
184	Chaos Powered Grammatical Evolution. Lecture Notes in Computer Science, 2014, , 455-464.	1.0	3
185	Influence of Chaotic Dynamics on the Performance of Differential Evolution Algorithm. Emergence, Complexity and Computation, 2014, , 277-290.	0.2	0
186	On the Development of Complex Cost Function for the Evolutionary Chaos Control: A Brief Study. Emergence, Complexity and Computation, 2014, , 369-378.	0.2	0
187	Tuning the Lozi Map in Chaos Driven PSO Inspired by the Multi-chaotic Approach. Advances in Intelligent Systems and Computing, 2014, , 79-88.	0.5	0
188	Preliminary Study on the Particle Swarm Optimization with the Particle Performance Evaluation. Lecture Notes in Computer Science, 2014, , 395-405.	1.0	1
189	On Convergence of Evolutionary Algorithms Powered by Non-random Generators. Lecture Notes in Computer Science, 2014, , 492-502.	1.0	0
190	Complex Analysis of EEG Signal for Biometrical Classification Purposes. Advances in Intelligent Systems and Computing, 2014, , 449-459.	0.5	0
191	MIMO Pseudo Neural Networks for Iris Data Classification. Advances in Intelligent Systems and Computing, 2014, , 165-176.	0.5	2
192	Utilization of the Discrete Chaotic Systems as the Pseudo Random Number Generators. Advances in Intelligent Systems and Computing, 2014, , 155-164.	0.5	3
193	Multi-chaotic Differential Evolution: Determining the Switching Time. Advances in Intelligent Systems and Computing, 2014, , 99-110.	0.5	0
194	Chaos Driven PSO with Ensemble of Priority Factors. Advances in Intelligent Systems and Computing, 2014, , 89-97.	0.5	0
195	Analytic programming in the task of evolutionary synthesis of a controller for high order oscillations stabilization of discrete chaotic systems. Computers and Mathematics With Applications, 2013, 66, 177-189.	1.4	28
196	Chaos PSO algorithm driven alternately by two different chaotic maps - An initial study. , 2013, , .		35
197	Hidden Periodicity â€“ Chaos Dependance on Numerical Precision. Advances in Intelligent Systems and Computing, 2013, , 47-59.	0.5	17
198	Do evolutionary algorithms indeed require randomness?. , 2013, , .		20

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199	Scheduling the Lot-Streaming Flowshop scheduling problem with setup time with the chaos-induced Enhanced Differential Evolution. , 2013, , .		20
200	Investigation on the performance of a new multiple choice strategy for PSO Algorithm in the task of large scale optimization problems. , 2013, , .		7
201	On the behavior and performance of chaos driven PSO algorithm with inertia weight. Computers and Mathematics With Applications, 2013, 66, 122-134.	1.4	119
202	Optimization of Artificial Neural Network Structure in the Case of Steganalysis. Intelligent Systems Reference Library, 2013, , 821-843.	1.0	1
203	Discrete Self-Organising Migrating Algorithm for flow-shop scheduling with no-wait makespan. Mathematical and Computer Modelling, 2013, 57, 100-110.	2.0	52
204	Synthesis of feedback controller for three selected chaotic systems by means of evolutionary techniques: Analytic programming. Mathematical and Computer Modelling, 2013, 57, 57-67.	2.0	31
205	An investigation on evolutionary reconstruction of continuous chaotic systems. Mathematical and Computer Modelling, 2013, 57, 2-15.	2.0	28
206	Investigation on the Differential Evolution driven by selected six chaotic systems in the task of reactor geometry optimization. , 2013, , .		17
207	Designing PID Controllers by Means of PSO Algorithm Enhanced by Various Chaotic Maps. , 2013, , .		5
208	Utilising the Chaos-Induced Discrete Self Organising Migrating Algorithm to Schedule the Lot-Streaming Flowshop Scheduling Problem with Setup Time. Advances in Intelligent Systems and Computing, 2013, , 31-45.	0.5	1
209	Designing PID Controller for DC Motor by Means of Enhanced PSO Algorithm with Dissipative Chaotic Map. Advances in Intelligent Systems and Computing, 2013, , 475-483.	0.5	12
210	Steganography content detection by means of feedforward neural network. International Journal of Innovative Computing and Applications, 2013, 5, 184.	0.2	3
211	Do Evolutionary Algorithms Indeed Require Random Numbers? Extended Study. Advances in Intelligent Systems and Computing, 2013, , 61-75.	0.5	20
212	Evolutionary Dynamics as The Structure of Complex Networks. Intelligent Systems Reference Library, 2013, , 215-243.	1.0	24
213	Optimization of the Batch Reactor by Means of Chaos Driven Differential Evolution. Advances in Intelligent Systems and Computing, 2013, , 93-102.	0.5	11
214	Impact of Various Chaotic Maps on the Performance of Chaos Enhanced PSO Algorithm with Inertia Weight â€“ An Initial Study. Advances in Intelligent Systems and Computing, 2013, , 153-166.	0.5	11
215	Evolutionary Synthesis of Control Rules by Means of Analytic Programming for the Purpose of High Order Oscillations Stabilization of Evolutionary Synthesized Chaotic System. Advances in Intelligent Systems and Computing, 2013, , 191-201.	0.5	3
216	Evolutionary Identification and Synthesis of Predictive Models. Advances in Intelligent Systems and Computing, 2013, , 261-272.	0.5	1

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217	Iris Data Classification By Means Of Pseudo Neural Networks Based On Evolutionary Symbolic Regression. , 2013, , .		1
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