Ivan Iz Zelinka

List of Publications by Year
in descending order

348 papers	3,136 citations
257450 24 h-index	254184 43 g-index
386 all docs	386 docs citations
386 times ranked	1344 citing authors

#	Article	IF	Citations
1	Impact of chaotic dynamics on the performance of metaheuristic optimization algorithms: An experimental analysis. Information Sciences, 2022, 587, 692-719.	6.9	16
2	Self-Organizing Migrating Algorithm with narrowing search space strategy for robot path planning. Applied Soft Computing Journal, 2022, 116, 108270.	7.2	10
3	Preface of the 7th International Symposium on Intelligent Systems and Algorithms - ISA 2020. AIP Conference Proceedings, 2022, , .	0.4	0
4	Using spatial neighborhoods for parameter adaptation: An improved success history based differential evolution. Swarm and Evolutionary Computation, 2022, 71, 101057.	8.1	22
5	Subgraph mining in a large graph: A review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2022, 12, .	6.8	6
6	An efficient and scalable approach for mining subgraphs in a single large graph. Applied Intelligence, 2022, 52, 17881-17895.	5.3	3
7	OCR error correction using correction patterns and self-organizing migrating algorithm. Pattern Analysis and Applications, 2021, 24, 701-721.	4.6	13
8	Periodic Time Series Forecasting with Bidirectional Long Short-Term Memory. , 2021, , .		0
9	Artificial Intelligence in Astrophysics. Emergence, Complexity and Computation, 2021, , 1-28.	0.3	0
10	Intelligent Malware - Trends and Possibilities. Mendel, 2021, 27, 18-22.	1.0	0
11	ADVO: A System to Manage Influencer Marketing Campaigns on Social Networks. Applied Sciences (Switzerland), 2021, 11, 6497.	2.5	5
12	Self-organizing migrating algorithm using covariance matrix adaptation evolution strategy for dynamic constrained optimization. Swarm and Evolutionary Computation, 2021, 65, 100936.	8.1	6
13	Toward an exploration-based probabilistic reasoning for a quadrotor. Intelligent Service Robotics, 2021, 14, 563-570.	2.6	2
14	A Multi-Perspective malware detection approach through behavioral fusion of API call sequence. Computers and Security, 2021, 110, 102449.	6.0	31
15	Swarm Intelligence and Swarm Robotics in the Path Planning Problem. Emergence, Complexity and Computation, 2021, , 313-327.	0.3	0
16	Malware Classification by Using Deep Learning Framework. Advances in Intelligent Systems and Computing, 2021, , 84-92.	0.6	1
17	A Method for Closed Frequent Subgraph Mining in a Single Large Graph. IEEE Access, 2021, 9, 165719-165733.	4.2	7
18	Unconventional Algorithms and Hidden Chaotic Attractors. Emergence, Complexity and Computation, 2021, , 429-457.	0.3	0

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19	CCGraMi: An Effective Method for Mining Frequent Subgraphs in a Single Large Graph. Mendel, 2021, 27, 90-99.	1.0	3
20	Extended experimental study on PSO with partial population restart based on complex network analysis. Logic Journal of the IGPL, 2020, 28, 211-225.	1.5	0
21	On the Self-organizing Migrating Algorithm Comparison by Means of Centrality Measures. Lecture Notes in Electrical Engineering, 2020, , 335-343.	0.4	1
22	Optimal Control Problem Solution with Phase Constraints for Group of Robots by Pontryagin Maximum Principle and Evolutionary Algorithm. Mathematics, 2020, 8, 2105.	2.2	9
23	Gamesourcing: an unconventional tool to assist the solution of the traveling salesman problem. Natural Computing, 2020, , 1.	3.0	3
24	Detecting the Influencer on Social Networks Using Passion Point and Measures of Information Propagation â€. Sustainability, 2020, 12, 3064.	3.2	13
25	Artificial Intelligence in the Cyber Domain: Offense and Defense. Symmetry, 2020, 12, 410.	2.2	61
26	Fast and scalable algorithms for mining subgraphs in a single large graph. Engineering Applications of Artificial Intelligence, 2020, 90, 103539.	8.1	15
27	A dynamic Windows malware detection and prediction method based on contextual understanding of API call sequence. Computers and Security, 2020, 92, 101760.	6.0	100
28	Pareto-Based Self-organizing Migrating Algorithm Solving 100-Digit Challenge. Communications in Computer and Information Science, 2020, , 13-20.	0.5	2
29	Supervised Classification Methods for Fake News Identification. Lecture Notes in Computer Science, 2020, , 445-454.	1.3	3
30	An In-depth Analysis of OCR Errors for Unconstrained Vietnamese Handwriting. Lecture Notes in Computer Science, 2020, , 448-461.	1.3	4
31	Artificial Intelligence and Cybersecurity: Past, Presence, and Future. Advances in Intelligent Systems and Computing, 2020, , 351-363.	0.6	25
32	Applications of swarm intelligence algorithms countering the cyber threats. , 2020, , .		5
33	The Movement of Swarm Robots in an Unknown Complex Environment. Lecture Notes in Electrical Engineering, 2020, , 949-959.	0.4	2
34	Fuzzy Model Predictive Control for Discrete-Time System with Input Delays. Lecture Notes in Electrical Engineering, 2020, , 67-77.	0.4	0
35	On Voynich Alphabet Analysis With Relation to the Old Indian Dialects. Mendel, 2020, 26, 15-22.	1.0	0
36	A self-adaptive spherical search algorithm for real-world constrained optimization problems. , 2020, , .		35

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37	Swarm intelligence in cybersecurity. , 2020, , .		2
38	Measure of the Content Creation Score on Social Network Using Sentiment Score and Passion Point. Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	6
39	SOMA T3A for Solving the 100-Digit Challenge. Communications in Computer and Information Science, 2020, , 155-165.	0.5	6
40	On the Similarity Between Neural Network and Evolutionary Algorithm. Lecture Notes in Computer Science, 2020, , 147-158.	1.3	0
41	Neural Swarm Virus. Communications in Computer and Information Science, 2020, , 122-134.	0.5	6
42	Insight into Adaptive Differential Evolution Variants with Unconventional Randomization Schemes. Communications in Computer and Information Science, 2020, , 177-188.	0.5	1
43	Is Chaotic Randomization Advantageous for Higher Dimensional Optimization Problems?. Lecture Notes in Computer Science, 2020, , 423-434.	1.3	1
44	A modified covariance matrix adaptation evolution strategy for real-world constrained optimization problems. , 2020, , .		23
45	Self-organizing migrating algorithm for the 100-digit challenge. , 2019, , .		3
46	On Relation Between Swarm and Evolutionary Dynamics and Complex Networks. Springer Proceedings in Complexity, 2019, , 245-260.	0.3	0
47	Self-adapting self-organizing migrating algorithm. Swarm and Evolutionary Computation, 2019, 51, 100593.	8.1	10
48	On the non-convergence of differential evolution. , 2019, , .		0
49	On the Evolutionary Neural Network Creation Using Native Visibility Graph. , 2019, , .		0
50	5th International Symposium on Intelligent Systems and Algorithms, ISA 2018. AIP Conference Proceedings, 2019, , .	0.4	0
51	Obstacle Avoidance for Swarm Robot Based on Self-Organizing Migrating Algorithm. Procedia Computer Science, 2019, 150, 425-432.	2.0	26
52	Some measures to detect the influencer on social network based on Information Propagation. , 2019, , .		11
53	Population Diversity Analysis in Adaptive Differential Evolution Variants with Unconventional Randomization Schemes. Lecture Notes in Computer Science, 2019, , 506-518.	1.3	3
54	An Algorithm for Swarm Robot to Avoid Multiple Dynamic Obstacles and to Catch the Moving Target. Lecture Notes in Computer Science, 2019, , 666-675.	1.3	8

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55	Perturbations and phase transitions in swarm optimization algorithms. Natural Computing, 2019, 18, 579-591.	3.0	6
56	On the Particle Swarm Optimization Improvement Using Time Delay Auto Synchronization. , 2019, , .		0
57	OCR Error Correction for Unconstrained Vietnamese Handwritten Text. , 2019, , .		12
58	A network control system for hydro plants to counteract the non-synchronous generation integration. International Journal of Electrical Power and Energy Systems, 2019, 105, 404-419.	5.5	22
59	On Static Control of the Differential Evolution. Advances in Intelligent Systems and Computing, 2019, , 19-31.	0.6	0
60	Synthetic inertia control based on fuzzy adaptive differential evolution. International Journal of Electrical Power and Energy Systems, 2019, 105, 803-813.	5.5	56
61	Analysis of causality-driven changes of diffusion speed in non-Markovian temporal networks generated on the basis of differential evolution dynamics. Swarm and Evolutionary Computation, 2019, 44, 212-227.	8.1	1
62	An Approach to Customer Behavior Modeling using Markov Decision Process. Mendel, 2019, 23, 141-148.	1.0	2
63	Unconventional Methods in Voynich Manuscript Analysis. Mendel, 2019, 25, 1-14.	1.0	2
64	Self-Organizing Migrating Algorithm Pareto. Mendel, 2019, 25, 111-120.	1.0	12
65	An Ensemble-Based Malware Detection Model Using Minimum Feature Set. Mendel, 2019, 25, 1-10.	1.0	19
66	A Survey on Artificial Intelligence in Malware as Next-Generation Threats. Mendel, 2019, 25, 27-34.	1.0	22
67	On Patterns and Dynamics of Rule 22 Cellular Automaton. Complex Systems, 2019, 28, 125-174.	0.3	3
68	SOMA Network Model Based on Native Visibility Graph. Mendel, 2019, 23, 49-56.	1.0	1
69	Using Complex Network Visualization and Analysis for Uncovering the Inner Dynamics of PSO Algorithm. Mendel, 2019, 23, 87-94.	1.0	0
70	Impact of Security Aspects at the IOTA Protocol. Advances in Intelligent Systems and Computing, 2019, , 41-48.	0.6	4
71	On the Leader Selection in the Self-Organizing Migrating Algorithm. Mendel, 2019, 25, 171-178.	1.0	3
72	Swarm Inteligence in Virtual Environment. Khoa Há»Œ á»©ng Dá»¥ng, 2019, 3, 415.	3.0	3

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73	Investigation on evolutionary algorithms powered by nonrandom processes. Soft Computing, 2018, 22, 1791-1801.	3.6	6
74	An algorithm for Elliott Waves pattern detection. Intelligent Decision Technologies, 2018, 12, 15-24.	0.9	1
75	Seismic attractor can assist in finding of geothermal area?. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 503-512.	1.0	1
76	Dynamical properties of partial-discharge patterns. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 474-489.	1.0	6
77	Complex Systems. Emergence, Complexity and Computation, 2018, , 11-34.	0.3	0
78	A Review of Real-World Applications of Particle Swarm Optimization Algorithm. Lecture Notes in Electrical Engineering, 2018, , 115-122.	0.4	12
79	Differential Evolution for Constrained Industrial Optimization. Lecture Notes in Electrical Engineering, 2018, , 123-132.	0.4	1
80	An Overview of Cyber Insecurity and Malicious Uses of Cyberspace. Lecture Notes in Electrical Engineering, 2018, , 15-23.	0.4	1
81	Processing Big Data in Field of Marketing Models Using Apache Spark. Lecture Notes in Electrical Engineering, 2018, , 49-58.	0.4	1
82	Model Predictive Control with Both States and Input Delays. Lecture Notes in Electrical Engineering, 2018, , 542-553.	0.4	0
83	A novel approach on evolutionary dynamics analysis â€" A progress report. Journal of Computational Science, 2018, 25, 437-445.	2.9	28
84	4th International Symposium on Intelligent Systems and Algorithms, ISA 2017. AIP Conference Proceedings, 2018, , .	0.4	0
85	Gamesourcing: Perspectives and Implementations. , 2018, , .		2
86	Chaos Driven PSO with Attractive Search Space Border Points. , 2018, , .		4
87	Investigation on Unconventional Synthesis of Astroinformatic Data Classifier Powered by Irregular Dynamics. IEEE Intelligent Systems, 2018, 33, 63-77.	4.0	5
88	Differential evolution based on node strength. International Journal of Bio-Inspired Computation, 2018, 11, 34.	0.9	1
89	Evolutionary Design and Training of Artificial Neural Networks. Lecture Notes in Computer Science, 2018, , 427-437.	1.3	2
90	Swarm virus - Next-generation virus and antivirus paradigm?. Swarm and Evolutionary Computation, 2018, 43, 207-224.	8.1	18

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91	How Unconventional Chaotic Pseudo-Random Generators Influence Population Diversity in Differential Evolution. Lecture Notes in Computer Science, 2018, , 524-535.	1.3	4
92	Phase Transitions in Swarm Optimization Algorithms. Lecture Notes in Computer Science, 2018, , 204-216.	1.3	3
93	Conversion of SOMA Algorithm into Complex Networks. Emergence, Complexity and Computation, 2018, , 101-114.	0.3	2
94	Analysis of SOMA Algorithm Using Complex Network. Emergence, Complexity and Computation, 2018, , 115-129.	0.3	1
95	Randomization and Complex Networks for Meta-Heuristic Algorithms. Emergence, Complexity and Computation, 2018, , 177-194.	0.3	3
96	Modeling of Marketing Processes Using Markov Decision Process Approach. Advances in Intelligent Systems and Computing, 2018, , 468-476.	0.6	0
97	Swarm and Evolutionary Dynamics as a Network. Emergence, Complexity and Computation, 2018, , 3-29.	0.3	0
98	Improvement of SOMA Algorithm Using Complex Networks. Emergence, Complexity and Computation, 2018, , 131-143.	0.3	0
99	Evolutionary Dynamics and Its Network Visualization - Selected Examples. Emergence, Complexity and Computation, 2018, , 31-63.	0.3	0
100	Gallery of Evolutionary Networks. Emergence, Complexity and Computation, 2018, , 195-210.	0.3	0
101	Swarm Virus, Evolution, Behavior and Networking. Emergence, Complexity and Computation, 2018, , 213-239.	0.3	2
102	Unified Deterministic Model of Parallel and Distributed Computers. International Review on Modelling and Simulations, 2018, 11, 166.	0.3	0
103	Differential Evolution and Deterministic Chaotic Series: A Detailed Study. Mendel, 2018, 24, .	1.0	6
104	Particle Swarm Optimization with Distance Based Repulsivity. Mendel, 2018, 24, .	1.0	0
105	Accelerate SOMA Using Parallel Processing in GPGPU. Lecture Notes in Electrical Engineering, 2017, , 53-62.	0.4	0
106	Investigation of differential evolution using temporal centralities. AIP Conference Proceedings, 2017, , .	0.4	0
107	Covered conductors fault behavior studied by features of complex networks. AIP Conference Proceedings, 2017, , .	0.4	0
108	Gold rush - A swarm dynamics in games. AIP Conference Proceedings, 2017, , .	0.4	0

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109	Study on the Development of Complex Network for Evolutionary and Swarm Based Algorithms. Lecture Notes in Computer Science, 2017, , 151-161.	1.3	1
110	Differential Evolution Dynamics Modeled by Longitudinal Social Network. Journal of Intelligent Systems, 2017, 26, 523-529.	1.6	8
111	Evolutionary synthesis of automatic classification on astroinformatic big data. International Journal of Parallel, Emergent and Distributed Systems, 2017, 32, 429-447.	1.0	7
112	On static control of swarm systems. , 2017, , .		1
113	Preface of the â€œ3rd International Symposium on Intelligent Systems and Algorithmsâ€. AIP Conference Proceedings, 2017, , .	0.4	0
114	Case study: Optimizing fault model input parameters using bio-inspired algorithms. AIP Conference Proceedings, 2017, , .	0.4	3
115	A Complex Network Based Classification of Covered Conductors Faults Detection. Advances in Intelligent Systems and Computing, 2017, , 278-286.	0.6	2
116	Hybridization of Multi-chaotic Dynamics and Adaptive Control Parameter Adjusting jDE Strategy. Advances in Intelligent Systems and Computing, 2017, , 77-87.	0.6	5
117	PSO with Partial Population Restart Based on Complex Network Analysis. Lecture Notes in Computer Science, 2017, , 183-192.	1.3	11
118	Chaos-Based Optimization - A Review. Khoa Há»c á»©ng Dá»¥ng, 2017, 1, 68.	3.0	12
119	On Synthesis and Solutions of Nonlinear Differential Equationsâ€"A Bio-Inspired Approach. Emergence, Complexity and Computation, 2017, , 213-236.	0.3	0
120	Comparison of Swarm and Evolutionary Based Algorithms for the Stabilization of Chaotic Oscillations. Lecture Notes in Electrical Engineering, 2017, , 63-73.	0.4	0
121	Hybridization of Analytic Programming and Differential Evolution for Time Series Prediction. Lecture Notes in Computer Science, 2017, , 686-698.	1.3	1
122	On Interdisciplinary Intersection of Unconventional Algorithms and Big Data Processing in Real World Problems. Advances in Hospitality, Tourism and the Services Industry, 2017, , 326-347.	0.2	1
123	Modelling Business Processes Using Evolutionary Generated Petri Nets. , 2017, , .		0
124	Market Prices Trend Forecasting Supported By Elliott Waveâ€™s Theory. , 2017, , .		0
125	Differential Evolution Driven Analytic Programming for Prediction. Lecture Notes in Computer Science, 2017, , 676-687.	1.3	2
126	Strange Nonchaotic Attractors in Evolutionary Processing of Astroinformatic Big Data. , 2016, , .		0

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127	Competition on learning-based real-parameter single objective optimization by SOMA swarm based algorithm with SOMARemove strategy. , 2016, , .		3
128	On performance improvement of the SOMA swarm based algorithm and its complex network duality. , 2016, , .		11
129	Comparing selected PSO modifications on CEC 15 benchmark set. , 2016, , .		2
130	Multiswarm PSO with supersized swarms - Initial performance study. AIP Conference Proceedings, 2016, , .	0.4	0
131	On possibilities of evolutionary synthesis of robot control sequences. , 2016, , .		0
132	Evolutionary synthesis of automatic classification on astroinformatic big data. AIP Conference Proceedings, 2016, , .	0.4	1
133	Converting PSO dynamics into complex network - Initial study. AIP Conference Proceedings, 2016, , .	0.4	3
134	Small-world hidden in differential evolution. , 2016, , .		4
135	Evolutionary identification of hidden chaotic attractors. Engineering Applications of Artificial Intelligence, 2016, 50, 159-167.	8.1	21
136	Dimensionality Reduction Method's Comparison Based on Statistical Dependencies. Procedia Computer Science, 2016, 83, 1025-1031.	2.0	6
137	SPECIAL ISSUE SOCO13-JAL. Journal of Applied Logic, 2016, 17, 1-3.	1.1	0
138	On Evolutionary Dynamics Modeled by Ant Algorithm. , 2016, , .		5
139	Creating Complex Networks Using Multi-swarm PSO. , 2016, , .		1
140	On the adaptivity and complexity embedded into differential evolution. AIP Conference Proceedings, 2016, , .	0.4	1
141	Differential evolution based on the node degree of its complex network: Initial study. AIP Conference Proceedings, 2016, , .	0.4	2
142	Time Series, Collaboration and Large Data Sets Enhancements of SPLAT-VO. , 2016, , .		0
143	SOMA Swarm Algorithm in Computer Games. Lecture Notes in Computer Science, 2016, , 395-406.	1.3	4
144	DSOMAâ€"Discrete Self Organising Migrating Algorithm. Studies in Computational Intelligence, 2016, , 51-63.	0.9	7

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145	SOMAâ€"Self-organizing Migrating Algorithm. Studies in Computational Intelligence, 2016, , 3-49.	0.9	34
146	Inspired in SOMA: Perturbation Vector Embedded into the Chaotic PSO Algorithm Driven by Lozi Chaotic Map. Studies in Computional Intelligence, 2016, , 277-289.	0.9	2
147	PSO as Complex Networkâ€"Capturing the Inner Dynamicsâ€"Initial Study. Advances in Intelligent Systems and Computing, 2016, , 551-559.	0.6	16
148	Particle Swarm Optimizer with Diversity Measure Based on Swarm Representation in Complex Network. Advances in Intelligent Systems and Computing, 2016, , 561-569.	0.6	10
149	Capturing Inner Dynamics of Firefly Algorithm in Complex Networkâ€"Initial Study. Advances in Intelligent Systems and Computing, 2016, , 571-577.	0.6	11
150	Preliminary Study on the Randomization and Sequencing for the Chaos Embedded Heuristic. Advances in Intelligent Systems and Computing, 2016, , 591-601.	0.6	8
151	Multi-chaotic Approach for Particle Acceleration in PSO. Lecture Notes in Computer Science, 2016, , 75-86.	1.3	1
152	Study On Swarm Dynamics Converted Into Complex Network. , 2016, , .		4
153	Single and Multi Chaos Enhanced Differential Evolution on the Selected PID Tuning Problem. Lecture Notes in Electrical Engineering, 2016, , 563-572.	0.4	0
154	Extended Study on the Randomization andÂSequencing for the Chaos Embedded Heuristic. Lecture Notes in Computer Science, 2016, , 493-504.	1.3	1
155	Personality Disorders Identification in Written Texts. Lecture Notes in Electrical Engineering, 2016, , 143-154.	0.4	3
156	Differential Evolution Dynamic Analysis in the Form of Complex Networks. Advances in Wireless Technologies and Telecommunication Book Series, 2016, , 285-318.	0.4	3
157	On Mutual Relations amongst Evolutionary Algorithm Dynamics and Its Hidden Complex Network Structures. Advances in Wireless Technologies and Telecommunication Book Series, 2016, , 319-342.	0.4	2
158	Simulation and Optimization of a Non-linear Dynamic Process Using Mathematica. Lecture Notes in Electrical Engineering, 2016, , 133-142.	0.4	0
159	SOMA and Strange Dynamics. Studies in Computational Intelligence, 2016, , 67-82.	0.9	0
160	Better Spectra Manipulation in SPLAT-VO. Advances in Intelligent Systems and Computing, 2016, , 373-384.	0.6	1
161	Chaos PSO with Super-Sized Swarmâ€"Initial Study. Advances in Intelligent Systems and Computing, 2016, , 527-535.	0.6	0
162	Chaos Enhanced Repulsive MC-PSO/DE Hybrid. Lecture Notes in Computer Science, 2016, , 465-475.	1.3	1

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163	Chaos Enhanced Differential Evolution in the Task of Evolutionary Control of Discrete Chaotic LOZI Map. Advances in Electrical and Electronic Engineering, 2016, 14, .	0.3	0
164	An Investigation of a New Social Networks Contact Suggestion Based on Face Recognition Algorithm. Advances in Electrical and Electronic Engineering, 2016, 14, .	0.3	0
165	StarCraft: Brood War — Strategy powered by the SOMA swarm algorithm. , 2015, , .		10
166	Finding Posts in Digital Libraries of Authors with Garbled Names. , 2015, , .		0
167	On Evaluation of Evolutionary Networks Using New Temporal Centralities Algorithm. , 2015, , .		1
168	Network Visualization of Population Dynamics in the Differential Evolution. , 2015, , .		11
169	Computer Intelligence in Modeling, Prediction, and Analysis of Complex Dynamical Systems. Scientific World Journal, The, 2015, 2015, 1-1.	2.1	1
170	New Adaptive Approach for Multi-chaotic Differential Evolution Concept. Lecture Notes in Computer Science, 2015, , 234-243.	1.3	2
171	Differential Evolution Enhanced by the Closeness Centrality: Initial Study. , 2015, , .		6
172	Towards a Network Interpretation of Agent Interaction in Ant Colony Optimization. , 2015, , .		10
173	Investigation on evolutionary predictive control of chemical reactor. Journal of Applied Logic, 2015, 13, 156-166.	1.1	10
174	A survey on evolutionary algorithms dynamics and its complexity â€“ Mutual relations, past, present and future. Swarm and Evolutionary Computation, 2015, 25, 2-14.	8.1	87
175	Hybridization of Adaptivity and Chaotic Dynamics for Differential Evolution. Advances in Intelligent Systems and Computing, 2015, , 149-158.	0.6	1
176	Investigation on operating systems identification by means of fractal geometry. Logic Journal of the IGPL, 2015, 23, 88-104.	1.5	1
177	Some global existence results and stability theorem for fuzzy functional differential equations. Journal of Intelligent and Fuzzy Systems, 2015, 28, 393-409.	1.4	21
178	PSO algorithm enhanced with Lozi Chaotic Map - Tuning experiment. AIP Conference Proceedings, 2015, , .	0.4	3
179	Performance of Multi-chaotic PSO on a shifted benchmark functions set. AIP Conference Proceedings, 2015, , .	0.4	0
180	Editorial: Special issue CISIS12-IGPL. Logic Journal of the IGPL, 2015, 23, 1-3.	1.5	0

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181	Does Evolutionary Dynamics Need Randomness, Complexity or Determinism?. Emergence, Complexity and Computation, 2015, , 195-203.	0.3	1
182	A Brief Survey on the Chaotic Systems as the Pseudo Random Number Generators. Emergence, Complexity and Computation, 2015, , 205-214.	0.3	2
183	CUDA-based Analytic Programming by Means of SOMA Algorithm. Advances in Intelligent Systems and Computing, 2015, , 171-180.	0.6	3
184	On Analysis and Performance Improvement of Evolutionary Algorithms Based on its Complex Network Structure. Lecture Notes in Computer Science, 2015, , 389-400.	1.3	3
185	Chaos Driven PSO â€" On the Influence of Various CPRNG Implementations â€" An Initial Study. Emergence, Complexity and Computation, 2015, , 225-237.	0.3	1
186	MC-PSO/DE Hybrid with Repulsive Strategy â€" Initial Study. Lecture Notes in Computer Science, 2015, , 213-220.	1.3	2
187	Simulation Of Time-Continuous Chaotic UEDA Oscillator As The Generator Of Random Numbers For Heuristic. , 2015, , .		0
188	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.	2.1	5
189	Possible Utilization of the Artificial Intelligence Elements in the Creation of Remote Experiments. International Journal of Online and Biomedical Engineering, 2014, 10, 46.	1.4	3
190	Scatter Search Algorithm with chaos based stochasticity. , 2014, , .		2
191	Can deterministic chaos improve differential evolution for the linear ordering problem?. , 2014, , .		5
192	Complex network analysis of differential evolution algorithm applied to flowshop with no-wait problem. , 2014, , .		34
193	Gathering algorithm: A new concept of PSO based metaheuristic with dimensional mutation. , 2014, , .		1
194	Similarity of Authors' Profiles and Its Usage for Reviewers' Recommendation. , 2014, , .		4
195	On the inference of deterministic chaos: Evolutionary algorithm and metabolic P system approaches. , 2014, , .		1
196	Visualization of Large Amount of Spectra in Virtual Observatory Environment. International Journal of Automation and Computing, 2014, 11, 613-620.	4.5	1
197	On the influence of different number generators on results of the symbolic regression. Soft Computing, 2014, 18, 641-650.	3.6	5
198	Particle swarm optimization algorithm driven by multichaotic number generator. Soft Computing, 2014, 18, 631-639.	3.6	39

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199	Behaviour of pseudo-random and chaotic sources of stochasticity in nature-inspired optimization methods. Soft Computing, 2014, 18, 619-629.	3.6	12
200	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.	3.6	19
201	Performance of Chaos Driven Differential Evolution on Shifted Benchmark Functions Set. Advances in Intelligent Systems and Computing, 2014, , 41-50.	0.6	13
202	Multi-chaotic Differential Evolution: A Preliminary Study. Lecture Notes in Computer Science, 2014, , 416-427.	1.3	0
203	Evolutionary algorithms dynamics and its hidden complex network structures. , 2014, , .		30
204	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.	3.6	5
205	Chaos synchronization of unknown inputs Takagiâ€"Sugeno fuzzy: Application to secure communications. Computers and Mathematics With Applications, 2014, 68, 2142-2147.	2.7	71
206	Multiple Choice Strategy Based PSO Algorithm with Chaotic Decision Making â€" A Preliminary Study. Advances in Intelligent Systems and Computing, 2014, , 21-30.	0.6	12
207	Complex Network Analysis of Discrete Self-organising Migrating Algorithm. Advances in Intelligent Systems and Computing, 2014, , 161-174.	0.6	17
208	Fractal Analysis of Fitness Landscapes. Emergence, Complexity and Computation, 2014, , 427-456.	0.3	4
209	Evolutionary Control of Chaotic Lozi Map by Means of Chaos Driven Differential Evolution. Lecture Notes in Electrical Engineering, 2014, , 371-380.	0.4	2
210	Chaos Powered Symbolic Regression in Be Stars Spectra Modeling. Emergence, Complexity and Computation, 2014, , 131-139.	0.3	2
211	Complex Network Construction Based on SOMA: Vertices In-Degree Reliance on Fitness Value Evolution. Emergence, Complexity and Computation, 2014, , 291-297.	0.3	2
212	Chaos Driven Particle Swarm Optimization with Basic Particle Performance Evaluation â€" An Initial Study. Lecture Notes in Computer Science, 2014, , 445-454.	1.3	1
213	Chaos Powered Grammatical Evolution. Lecture Notes in Computer Science, 2014, , 455-464.	1.3	3
214	Influence of Chaotic Dynamics on the Performance of Differential Evolution Algorithm. Emergence, Complexity and Computation, 2014, , 277-290.	0.3	0
215	On the Development of Complex Cost Function for the Evolutionary Chaos Control: A Brief Study. Emergence, Complexity and Computation, 2014, , 369-378.	0.3	0
216	Artificial Intelligence in ISES MeasureserverÂ® for Remote Experiment Control. Advances in Intelligent Systems and Computing, 2014, , 411-420.	0.6	0

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