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	SOMA â€" Self-Organizing Migrating Algorithm. Studies in Fuzziness and Soft Computing, 2004, , 167-217.	0.8	229
2	Chaos driven evolutionary algorithms for the task of PID control. Computers and Mathematics With Applications, 2010, 60, 1088-1104.	2.7	143
3	On the behavior and performance of chaos driven PSO algorithm with inertia weight. Computers and Mathematics With Applications, 2013, 66, 122-134.	2.7	119
4	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
5	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
6	CHAOS SYNTHESIS BY MEANS OF EVOLUTIONARY ALGORITHMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 911-942.	1.7	74
7	Investigation on evolutionary optimization of chaos control. Chaos, Solitons and Fractals, 2009, 40, 111-129.	5.1	71
8	Chaos synchronization of unknown inputs Takagiâ€"Sugeno fuzzy: Application to secure communications. Computers and Mathematics With Applications, 2014, 68, 2142-2147.	2.7	71
9	Artificial Intelligence in the Cyber Domain: Offense and Defense. Symmetry, 2020, 12, 410.	2.2	61
10	Synthetic inertia control based on fuzzy adaptive differential evolution. International Journal of Electrical Power and Energy Systems, 2019, 105, 803-813.	5.5	56
11	Analytical Programming - a Novel Approach for Evolutionary Synthesis of Symbolic Structures. , 0, , .		54
12	Discrete Self-Organising Migrating Algorithm for flow-shop scheduling with no-wait makespan. Mathematical and Computer Modelling, 2013, 57, 100-110.	2.0	52
13	Utilization of SOMA and differential evolution for robust stabilization of chaotic Logistic equation. Computers and Mathematics With Applications, 2010, 60, 1026-1037.	2.7	49
14	Do Evolutionary Algorithm Dynamics Create Complex Network Structures?. Complex Systems, 2011, 20, 127-140.	0.3	49
15	Particle swarm optimization algorithm driven by multichaotic number generator. Soft Computing, 2014, 18, 631-639.	3.6	39
16	Chaos PSO algorithm driven alternately by two different chaotic maps - An initial study. , 2013, , .		35
17	A self-adaptive spherical search algorithm for real-world constrained optimization problems. , 2020, , .		35
18	Complex network analysis of differential evolution algorithm applied to flowshop with no-wait problem. , 2014, , .		34

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19	SOMAâ€"Self-organizing Migrating Algorithm. Studies in Computational Intelligence, 2016, , 3-49.	0.9	34
20	Real-time deterministic chaos control by means of selected evolutionary techniques. Engineering Applications of Artificial Intelligence, 2009, 22, 283-297.	8.1	33
21	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
22	A Multi-Perspective malware detection approach through behavioral fusion of API call sequence. Computers and Security, 2021, 110, 102449.	6.0	31
23	Evolutionary algorithms dynamics and its hidden complex network structures. , 2014, , .		30
24	Unknown inputs observer design for fuzzy systems with application to chaotic system reconstruction. Computers and Mathematics With Applications, 2013, 66, 147-154.	2.7	29
25	Investigation on artificial ant using analytic programming. , 2006, , .		28
26	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.	2.7	28
27	An investigation on evolutionary reconstruction of continuous chaotic systems. Mathematical and Computer Modelling, 2013, 57, 2-15.	2.0	28
28	A novel approach on evolutionary dynamics analysis â€" A progress report. Journal of Computational Science, 2018, 25, 437-445.	2.9	28
29	Obstacle Avoidance for Swarm Robot Based on Self-Organizing Migrating Algorithm. Procedia Computer Science, 2019, 150, 425-432.	2.0	26
30	INVESTIGATION ON REALTIME DETERMINISTIC CHAOS CONTROL BY MEANS OF EVOLUTIONARY ALGORITHMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 190-196.	0.4	25
31	Artificial Intelligence and Cybersecurity: Past, Presence, and Future. Advances in Intelligent Systems and Computing, 2020, , 351-363.	0.6	25
32	Evolutionary Dynamics as The Structure of Complex Networks. Intelligent Systems Reference Library, 2013, , 215-243.	1.2	24
33	A Review Of Methods For Encoding Neural Network Topologies In Evolutionary Computation. , 2011, , .		23
34	A modified covariance matrix adaptation evolution strategy for real-world constrained optimization problems. , 2020, , .		23
35	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
36	A Survey on Artificial Intelligence in Malware as Next-Generation Threats. Mendel, 2019, 25, 27-34.	1.0	22

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37	Using spatial neighborhoods for parameter adaptation: An improved success history based differential evolution. Swarm and Evolutionary Computation, 2022, 71, 101057.	8.1	22
38	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
39	Evolutionary identification of hidden chaotic attractors. Engineering Applications of Artificial Intelligence, 2016, 50, 159-167.	8.1	21
40	Preliminary investigation on relations between complex networks and evolutionary algorithms dynamics. , 2010, , .		20
41	Do evolutionary algorithms indeed require randomness?. , 2013, , .		20
42	Do Evolutionary Algorithms Indeed Require Random Numbers? Extended Study. Advances in Intelligent Systems and Computing, 2013, , 61-75.	0.6	20
43	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
44	An Ensemble-Based Malware Detection Model Using Minimum Feature Set. Mendel, 2019, 25, 1-10.	1.0	19
45	Swarm virus - Next-generation virus and antivirus paradigm?. Swarm and Evolutionary Computation, 2018, 43, 207-224.	8.1	18
46	Hidden Periodicity â€" Chaos Dependance on Numerical Precision. Advances in Intelligent Systems and Computing, 2013, , 47-59.	0.6	17
47	Investigation on the Differential Evolution driven by selected six chaotic systems in the task of reactor geometry optimization. , 2013, , .		17
48	Complex Network Analysis of Discrete Self-organising Migrating Algorithm. Advances in Intelligent Systems and Computing, 2014, , 161-174.	0.6	17
49	INVESTIGATION ON EVOLUTIONARY DETERMINISTIC CHAOS CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1101-1106.	0.4	16
50	PSO as Complex Networkâ€"Capturing the Inner Dynamicsâ€"Initial Study. Advances in Intelligent Systems and Computing, 2016, , 551-559.	0.6	16
51	Designing PID Controller For DC Motor System By Means Of Enhanced PSO Algorithm With Discrete Chaotic Lozi Map. , 2012, , .		16
52	Impact of chaotic dynamics on the performance of metaheuristic optimization algorithms: An experimental analysis. Information Sciences, 2022, 587, 692-719.	6.9	16
53	OPTIMIZATION OF FEEDBACK CONTROL OF CHAOS BY EVOLUTIONARY ALGHORITHMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 77-82.	0.4	15
54	Fast and scalable algorithms for mining subgraphs in a single large graph. Engineering Applications of Artificial Intelligence, 2020, 90, 103539.	8.1	15

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55	Performance of Chaos Driven Differential Evolution on Shifted Benchmark Functions Set. Advances in Intelligent Systems and Computing, 2014, , 41-50.	0.6	13
56	Detecting the Influencer on Social Networks Using Passion Point and Measures of Information Propagation â€. Sustainability, 2020, 12, 3064.	3.2	13
57	OCR error correction using correction patterns and self-organizing migrating algorithm. Pattern Analysis and Applications, 2021, 24, 701-721.	4.6	13
58	Investigation on Relationship between Complex Networks and Evolutionary Algorithms Dynamics. , 2011, , .		12
59	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.	0.6	12
60	Behaviour of pseudo-random and chaotic sources of stochasticity in nature-inspired optimization methods. Soft Computing, 2014, 18, 619-629.	3.6	12
61	A Review of Real-World Applications of Particle Swarm Optimization Algorithm. Lecture Notes in Electrical Engineering, 2018, , 115-122.	0.4	12
62	OCR Error Correction for Unconstrained Vietnamese Handwritten Text. , 2019, , .		12
63	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
64	Self-Organizing Migrating Algorithm Pareto. Mendel, 2019, 25, 111-120.	1.0	12
65	Chaos-Based Optimization - A Review. Khoa Há»‡ á»©ng Dá»¥ng, 2017, 1, 68.	3.0	12
66	Optimization of Chaos Control by Means of Evolutionary Algorithms. , 2007, , .		11
67	Steganography Detection by Means of Neural Networks. , 2008, , .		11
68	Network Visualization of Population Dynamics in the Differential Evolution. , 2015, , .		11
69	On performance improvement of the SOMA swarm based algorithm and its complex network duality. , 2016, , .		11
70	Some measures to detect the influencer on social network based on Information Propagation. , 2019, , .		11
71	Chaos Powered Selected Evolutionary Algorithms. Advances in Intelligent Systems and Computing, 2013, , 111-124.	0.6	11
72	Capturing Inner Dynamics of Firefly Algorithm in Complex Networkâ€"Initial Study. Advances in Intelligent Systems and Computing, 2016, , 571-577.	0.6	11

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73	PSO with Partial Population Restart Based on Complex Network Analysis. Lecture Notes in Computer Science, 2017, , 183-192.	1.3	11
74	Optimization of the Batch Reactor by Means of Chaos Driven Differential Evolution. Advances in Intelligent Systems and Computing, 2013, , 93-102.	0.6	11
75	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.	0.6	11
76	Analytic Programming Powered by Distributed Self-Organizing Migrating Algorithm Application. , 2008, , .		10
77	Investigation on Evolutionary Synthesis of Movement Commands. Modelling and Simulation in Engineering, 2009, 2009, 1-12.	0.7	10
78	StarCraft: Brood War — Strategy powered by the SOMA swarm algorithm. , 2015, , .		10
79	Towards a Network Interpretation of Agent Interaction in Ant Colony Optimization. , 2015, , .		10
80	Investigation on evolutionary predictive control of chemical reactor. Journal of Applied Logic, 2015, 13, 156-166.	1.1	10
81	Self-adapting self-organizing migrating algorithm. Swarm and Evolutionary Computation, 2019, 51, 100593.	8.1	10
82	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
83	Evolutionary Design of Chaos Control in 1D. Studies in Computational Intelligence, 2010, , 165-190.	0.9	10
84	Self-Organizing Migrating Algorithm with narrowing search space strategy for robot path planning. Applied Soft Computing Journal, 2022, 116, 108270.	7.2	10
85	Randomness and Chaos in Genetic Algorithms and Differential Evolution. , 2013, , .		9
86	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
87	Differential Evolution Dynamics Modeled by Longitudinal Social Network. Journal of Intelligent Systems, 2017, 26, 523-529.	1.6	8
88	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
89	Preliminary Study on the Randomization and Sequencing for the Chaos Embedded Heuristic. Advances in Intelligent Systems and Computing, 2016, , 591-601.	0.6	8
90	Synthesis Of Control Law For Chaotic Henon System Preliminary Study. , 2010, , .		8

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91	Extended Initial Study on the Performance of Enhanced PSO Algorithm with Lozi Chaotic Map. Advances in Intelligent Systems and Computing, 2013, , 167-177.	0.6	8
92	Detection of Steganography Inserted by OutGuess and Steghide by Means of Neural Networks. , 2009, , .		7
93	SYNTHESIS OF FEEDBACK CONTROLLER FOR CHAOTIC SYSTEMS BY MEANS OF EVOLUTIONARY TECHNIQUES. , 2011, , .		7
94	Investigation on the performance of a new multiple choice strategy for PSO Algorithm in the task of large scale optimization problems. , 2013, , .		7
95	DSOMAâ€"Discrete Self Organising Migrating Algorithm. Studies in Computational Intelligence, 2016, , 51-63.	0.9	7
96	Evolutionary synthesis of automatic classification on astroinformatic big data. International Journal of Parallel, Emergent and Distributed Systems, 2017, 32, 429-447.	1.0	7
97	A Method for Closed Frequent Subgraph Mining in a Single Large Graph. IEEE Access, 2021, 9, 165719-165733.	4.2	7
98	Chaos Theory for Evolutionary Algorithms Researchers. Studies in Computational Intelligence, 2010, , 89-143.	0.9	6
99	Comparison between Neural Network Steganalysis and Linear Classification Method Stegdetect. , 2010, , .		6
100	Clustered enhanced differential evolution for the blocking flow shop scheduling problem. Central European Journal of Operations Research, 2012, 20, 679-717.	1.8	6
101	Differential Evolution Enhanced by the Closeness Centrality: Initial Study. , 2015, , .		6
102	Dimensionality Reduction Method's Comparison Based on Statistical Dependencies. Procedia Computer Science, 2016, 83, 1025-1031.	2.0	6
103	Investigation on evolutionary algorithms powered by nonrandom processes. Soft Computing, 2018, 22, 1791-1801.	3.6	6
104	Dynamical properties of partial-discharge patterns. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 474-489.	1.0	6
105	Perturbations and phase transitions in swarm optimization algorithms. Natural Computing, 2019, 18, 579-591.	3.0	6
106	Self-organizing migrating algorithm using covariance matrix adaptation evolution strategy for dynamic constrained optimization. Swarm and Evolutionary Computation, 2021, 65, 100936.	8.1	6
107	Data-Mining Protein Structure by Clustering, Segmentation and Evolutionary Algorithms. Studies in Computational Intelligence, 2009, , 221-248.	0.9	6
108	Visualization of Complex Networks Dynamics: Case Study. Lecture Notes in Computer Science, 2012, , 145-150.	1.3	6

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109	Specific Behaviour of GPA-ES Evolutionary System Observed in Deterministic Chaos Regression. Advances in Intelligent Systems and Computing, 2013, , 73-81.	0.6	6
110	Differential Evolution and Deterministic Chaotic Series: A Detailed Study. Mendel, 2018, 24, .	1.0	6
111	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
112	SOMA T3A for Solving the 100-Digit Challenge. Communications in Computer and Information Science, 2020, , 155-165.	0.5	6
113	Neural Swarm Virus. Communications in Computer and Information Science, 2020, , 122-134.	0.5	6
114	Subgraph mining in a large graph: A review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2022, 12, .	6.8	6
115	Comparison of evolutionary algorithms in the task of chaos control optimization. , 2007, , .		5
116	Synthesis of Control Law for Chaotic Logistic Equation - Preliminary Study. , 2010, , .		5
117	Evolutionary optimisation of HÃ©non map control: a black box approach. International Journal of Operational Research, 2012, 13, 129.	0.2	5
118	Designing PID Controllers by Means of PSO Algorithm Enhanced by Various Chaotic Maps. , 2013, , .		5
119	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
120	Can deterministic chaos improve differential evolution for the linear ordering problem?. , 2014, , .		5
121	On the influence of different number generators on results of the symbolic regression. Soft Computing, 2014, 18, 641-650.	3.6	5
122	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
123	On Evolutionary Dynamics Modeled by Ant Algorithm. , 2016, , .		5
124	Investigation on Unconventional Synthesis of Astroinformatic Data Classifier Powered by Irregular Dynamics. IEEE Intelligent Systems, 2018, 33, 63-77.	4.0	5
125	ADVO: A System to Manage Influencer Marketing Campaigns on Social Networks. Applied Sciences (Switzerland), 2021, 11, 6497.	2.5	5
126	Active Compensation in RF-Driven Plasmas by Means of Differential Evolution. , 2005, , 499-511.		5

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127	Hybridization of Multi-chaotic Dynamics and Adaptive Control Parameter Adjusting jDE Strategy. Advances in Intelligent Systems and Computing, 2017, , 77-87.	0.6	5
128	Applications of swarm intelligence algorithms countering the cyber threats. , 2020, , .		5
129	Evolutionary Algorithms in Aircraft Trim Optimization. , 2008, , .		4
130	Similarity of Authors' Profiles and Its Usage for Reviewers' Recommendation. , 2014, , .		4
131	Small-world hidden in differential evolution. , 2016, , .		4
132	SOMA Swarm Algorithm in Computer Games. Lecture Notes in Computer Science, 2016, , 395-406.	1.3	4
133	Chaos Driven PSO with Attractive Search Space Border Points. , 2018, , .		4
134	How Unconventional Chaotic Pseudo-Random Generators Influence Population Diversity in Differential Evolution. Lecture Notes in Computer Science, 2018, , 524-535.	1.3	4
135	An In-depth Analysis of OCR Errors for Unconstrained Vietnamese Handwriting. Lecture Notes in Computer Science, 2020, , 448-461.	1.3	4
136	Application of Analytic Programming for Evolutionary Synthesis of Control Law—Introduction of Two Approaches. Studies in Computational Intelligence, 2012, , 253-268.	0.9	4
137	Fractal Analysis of Fitness Landscapes. Emergence, Complexity and Computation, 2014, , 427-456.	0.3	4
138	Evolutionary Chaos Controller Synthesis for Stabilizing Chaotic Hénon Maps. Complex Systems, 2011, 20, 205-214.	0.3	4
139	Study On Swarm Dynamics Converted Into Complex Network. , 2016, , .		4
140	Evolutionary Synthesis Of Control Law For Higher Periodic Orbits Of Chaotic Logistic Equation. , 2011, , .		4
141	Impact of Security Aspects at the IOTA Protocol. Advances in Intelligent Systems and Computing, 2019, , 41-48.	0.6	4
142	Hybrid Differential Evolution – Scatter Search Algorithm for Permutative Optimization. , 2009, , .		3
143	Evolutionary Synchronization of Chaotic Systems. Studies in Computational Intelligence, 2010, , 385-407.	0.9	3
144	Chaotic Attributes and Permutative Optimization. Studies in Computational Intelligence, 2010, , 481-517.	0.9	3

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145	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
146	PSO algorithm enhanced with Lozi Chaotic Map - Tuning experiment. AIP Conference Proceedings, 2015, , .	0.4	3
147	Competition on learning-based real-parameter single objective optimization by SOMA swarm based algorithm with SOMARemove strategy. , 2016, , .		3
148	Converting PSO dynamics into complex network - Initial study. AIP Conference Proceedings, 2016, , .	0.4	3
149	Case study: Optimizing fault model input parameters using bio-inspired algorithms. AIP Conference Proceedings, 2017, , .	0.4	3
150	Phase Transitions in Swarm Optimization Algorithms. Lecture Notes in Computer Science, 2018, , 204-216.	1.3	3
151	Self-organizing migrating algorithm for the 100-digit challenge. , 2019, , .		3
152	Population Diversity Analysis in Adaptive Differential Evolution Variants with Unconventional Randomization Schemes. Lecture Notes in Computer Science, 2019, , 506-518.	1.3	3
153	Gamesourcing: an unconventional tool to assist the solution of the traveling salesman problem. Natural Computing, 2020, , 1.	3.0	3
154	Supervised Classification Methods for Fake News Identification. Lecture Notes in Computer Science, 2020, , 445-454.	1.3	3
155	Chaos Synthesis by Evolutionary Algorithms. Studies in Computational Intelligence, 2010, , 345-382.	0.9	3
156	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.	0.6	3
157	Solving Steel Alloying Using Differential Evolution and SOMA. Lecture Notes in Computer Science, 2013, , 453-464.	1.3	3
158	Chaos Powered Grammatical Evolution. Lecture Notes in Computer Science, 2014, , 455-464.	1.3	3
159	Randomization and Complex Networks for Meta-Heuristic Algorithms. Emergence, Complexity and Computation, 2018, , 177-194.	0.3	3
160	On Patterns and Dynamics of Rule 22 Cellular Automaton. Complex Systems, 2019, 28, 125-174.	0.3	3
161	On Mutual Relations amongst Evolutionary Algorithm Dynamics and Its Hidden Complex Network Structures. , 0, , 215-239.		3
162	Controller Parameters Optimization on a Representative Set of Systems Using Deterministic-Chaotic-Mutation Evolutionary Algorithms. Studies in Computational Intelligence, 2010, , 447-480.	0.9	3

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163	Use of Simulated Annealing for Adaptive Control System. International Journal of Energy Optimization and Engineering, 2013, 2, 42-54.	0.6	3
164	Utilization of the Discrete Chaotic Systems as the Pseudo Random Number Generators. Advances in Intelligent Systems and Computing, 2014, , 155-164.	0.6	3
165	CUDA-based Analytic Programming by Means of SOMA Algorithm. Advances in Intelligent Systems and Computing, 2015, , 171-180.	0.6	3
166	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
167	Personality Disorders Identification in Written Texts. Lecture Notes in Electrical Engineering, 2016, , 143-154.	0.4	3
168	Differential Evolution Dynamic Analysis in the Form of Complex Networks. Advances in Wireless Technologies and Telecommunication Book Series, 2016, , 285-318.	0.4	3
169	On the Leader Selection in the Self-Organizing Migrating Algorithm. Mendel, 2019, 25, 171-178.	1.0	3
170	Swarm Inteligence in Virtual Environment. Khoa Há»Ⅎ á»©ng Dá»¥ng, 2019, 3, 415.	3.0	3
171	An efficient and scalable approach for mining subgraphs in a single large graph. Applied Intelligence, 2022, 52, 17881-17895.	5.3	3
172	CCGraMi: An Effective Method for Mining Frequent Subgraphs in a Single Large Graph. Mendel, 2021, 27, 90-99.	1.0	3
173	Symbolic regression and evolutionary computation in setting an optimal trajectory for a robot. , 2007, , .		2
174	Santa Fe Trail for Artificial Ant with Analytic Programming and Three Evolutionary Algorithms. , 2007, , .		2
175	Cost function design for evolutionary optimization of deterministic chaos control. , 2007, , .		2
176	Comparison of Differential Evolution and SOMA in the task of chaos control optimization - Extended study: Complex target CF. , 2009, , .		2
177	Chaos driven Differential Evolution in the task of chaos control optimization. , 2010, , .		2
178	PERFORMANCE COMPARISON OF DIFFERENTIAL EVOLUTION AND SOMA ON CHAOS CONTROL OPTIMIZATION PROBLEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1230025.	1.7	2
179	Synthesis of feedback control law for stabilization of chaotic system oscillations by means of analytic programming - Preliminary study. , 2012, , .		2
180	Takagi-Sugeno Fuzzy Representation to Modelling and State Estimation. Intelligent Systems Reference Library, 2013, , 451-479.	1.2	2

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181	GPU Based Enhanced Differential Evolution Algorithm: A Comparison between CUDA and OpenCL. Intelligent Systems Reference Library, 2013, , 845-867.	1.2	2
182	Scatter Search Algorithm with chaos based stochasticity. , 2014, , .		2
183	New Adaptive Approach for Multi-chaotic Differential Evolution Concept. Lecture Notes in Computer Science, 2015, , 234-243.	1.3	2
184	Comparing selected PSO modifications on CEC 15 benchmark set. , 2016, , .		2
185	Differential evolution based on the node degree of its complex network: Initial study. AIP Conference Proceedings, 2016, , .	0.4	2
186	Gamesourcing: Perspectives and Implementations. , 2018, , .		2
187	Evolutionary Design and Training of Artificial Neural Networks. Lecture Notes in Computer Science, 2018, , 427-437.	1.3	2
188	Toward an exploration-based probabilistic reasoning for a quadrotor. Intelligent Service Robotics, 2021, 14, 563-570.	2.6	2
189	Inverse Fractal Problem. , 2005, , 479-498.		2
190	Pareto-Based Self-organizing Migrating Algorithm Solving 100-Digit Challenge. Communications in Computer and Information Science, 2020, , 13-20.	0.5	2
191	A Brief Survey on the Chaotic Systems as the Pseudo Random Number Generators. Emergence, Complexity and Computation, 2015, , 205-214.	0.3	2
192	Inspired in SOMA: Perturbation Vector Embedded into the Chaotic PSO Algorithm Driven by Lozi Chaotic Map. Studies in Computational Intelligence, 2016, , 277-289.	0.9	2
193	A Complex Network Based Classification of Covered Conductors Faults Detection. Advances in Intelligent Systems and Computing, 2017, , 278-286.	0.6	2
194	Evolutionary Decryption of Chaotically Encrypted Information. Studies in Computational Intelligence, 2010, , 329-343.	0.9	2
195	Evolutionary Reconstruction of Chaotic Systems. Studies in Computational Intelligence, 2010, , 265-291.	0.9	2
196	Evolutionary Control of Chaotic Lozi Map by Means of Chaos Driven Differential Evolution. Lecture Notes in Electrical Engineering, 2014, , 371-380.	0.4	2
197	Chaos Powered Symbolic Regression in Be Stars Spectra Modeling. Emergence, Complexity and Computation, 2014, , 131-139.	0.3	2
198	Complex Network Construction Based on SOMA: Vertices In-Degree Reliance on Fitness Value Evolution. Emergence, Complexity and Computation, 2014, , 291-297.	0.3	2

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199	Conversion of SOMA Algorithm into Complex Networks. Emergence, Complexity and Computation, 2018, , 101-114.	0.3	2
200	An Approach to Customer Behavior Modeling using Markov Decision Process. Mendel, 2019, 23, 141-148.	1.0	2
201	Unconventional Methods in Voynich Manuscript Analysis. Mendel, 2019, 25, 1-14.	1.0	2
202	Application of Evolutionary Techniques for Optimization of Chaos Control â€" Introduction of Three Approaches. Intelligent Systems Reference Library, 2013, , 801-820.	1.2	2
203	On Evolutionary Synthesis of Chaotic Systems. Advances in Intelligent Systems and Computing, 2013, , 29-34.	0.6	2
204	Arnold Cat Map and Sinai as Chaotic Numbers Generators in Evolutionary Algorithms. Lecture Notes in Electrical Engineering, 2014, , 381-389.	0.4	2
205	MC-PSO/DE Hybrid with Repulsive Strategy â€" Initial Study. Lecture Notes in Computer Science, 2015, , 213-220.	1.3	2
206	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
207	Differential Evolution Driven Analytic Programming for Prediction. Lecture Notes in Computer Science, 2017, , 676-687.	1.3	2
208	Swarm Virus, Evolution, Behavior and Networking. Emergence, Complexity and Computation, 2018, , 213-239.	0.3	2
209	The Movement of Swarm Robots in an Unknown Complex Environment. Lecture Notes in Electrical Engineering, 2020, , 949-959.	0.4	2
210	Swarm intelligence in cybersecurity. , 2020, , .		2
211	Investigation on Evolutionary Chaos Controller Synthesis for HeÌnon Map Stabilization. AIP Conference Proceedings, 2011, , .	0.4	1
212	DISCRETE SELF-ORGANISING MIGRATING ALGORITHM FOR FLOW SHOP SCHEDULING WITH NO WAIT MAKESPAN. , 2011, , .		1
213	Controlling complexity. , 2012, , .		1
214	Influence of chaotic dynamics on the performance of evolutionary algorithms - An initial study. , 2012, , .		1
215	IWCFTA2012 Keynote Speech III - On Close Relations of Evolutionary Dynamics, Chaos and Complexity. , 2012, , .		1
216	Recommending New Links in Social Networks Using Face Recognition. , 2013, , .		1

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