

Iztok Fajfar

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

160
citations

1478505

6
h-index

1199594

12
g-index

22
all docs

22
docs citations

22
times ranked

122
citing authors

#	ARTICLE	IF	CITATIONS
1	Analog circuit topology synthesis by means of evolutionary computation. Engineering Applications of Artificial Intelligence, 2019, 80, 48-65.	8.1	30
2	Evolving a Nelderâ€“Mead Algorithm for Optimization with Genetic Programming. Evolutionary Computation, 2017, 25, 351-373.	3.0	24
3	A rigorous design method for binary cellular neural networks. International Journal of Circuit Theory and Applications, 1998, 26, 365-373.	2.0	18
4	The Nelderâ€“Mead simplex algorithm with perturbed centroid for high-dimensional function optimization. Optimization Letters, 2019, 13, 1011-1025.	1.6	18
5	Solving CNLS problems using Levenberg-Marquardt algorithm: A new fitting strategy combining limits and a symbolic Jacobian matrix. Journal of Electroanalytical Chemistry, 2020, 866, 114171.	3.8	16
6	Creation of Numerical Constants in Robust Gene Expression Programming. Entropy, 2018, 20, 756.	2.2	10
7	Finding all stable equilibria of cellular neural networks. International Journal of Circuit Theory and Applications, 1994, 22, 145-155.	2.0	7
8	Synthesizing Electrically Equivalent Circuits for Use in Electrochemical Impedance Spectroscopy through Grammatical Evolution. Processes, 2021, 9, 1859.	2.8	7
9	A New Curriculum for Teaching Embedded Systems at the University of Ljubljana. , 2006, , .		6
10	Investigation of Electrochemical Processes in Solid Oxide Fuel Cells by Modified Levenbergâ€“Marquardt Algorithm: A New Automatic Update Limit Strategy. Processes, 2021, 9, 108.	2.8	5
11	Teaching Assembly and C Language Concurrently. International Journal of Electrical Engineering and Education, 2010, 47, 120-131.	0.8	4
12	Evolutionary Synthesis of Failure-Resilient Analog Circuits. Mathematics, 2022, 10, 156.	2.2	3
13	Grammatical evolution as a hyper-heuristic to evolve deterministic real-valued optimization algorithms. Genetic Programming and Evolvable Machines, 2018, 19, 473-504.	2.2	2
14	Mesh adaptive direct search with simplicial Hessian update. Computational Optimization and Applications, 2019, 74, 645-667.	1.6	2
15	Irradiance in Mixed Coherent/Incoherent Structures: An Analytical Approach. Coatings, 2019, 9, 536.	2.6	2
16	Extended Global Convergence Framework for Unconstrained Optimization. Acta Mathematica Sinica, English Series, 2004, 20, 433-440.	0.6	1
17	An evolution-driven analog circuit topology synthesis. , 2016, , .		1
18	Automatic Grammatical Evolution-Based Optimization of Matrix Factorization Algorithm. Mathematics, 2022, 10, 1139.	2.2	1

#	ARTICLE	IF	CITATIONS
19	Combined simplex-trust-region optimization algorithm for automated IC design. , 2007, , .		0
20	A COMBINED SIMPLEXâ€“TRUST-REGION METHOD FOR ANALOG CIRCUIT OPTIMIZATION. Journal of Circuits, Systems and Computers, 2008, 17, 123-140.	1.5	0
21	Selection strategies and random perturbations in differential evolution. , 2012, , .		0