Hendrik Richter

List of Publications by Year
in descending order

57 papers	743 citations	567281 15 h-index	610901 24 g-index
59 all docs	59 docs citations	59 times ranked	407 citing authors

#	Article	IF	Citations
1	Detecting change in dynamic fitness landscapes. , 2009, , .		86
2	THE GENERALIZED HÃ‰NON MAPS: EXAMPLES FOR HIGHER-DIMENSIONAL CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1371-1384.	1.7	76
3	Optimization of local control of chaos by an evolutionary algorithm. Physica D: Nonlinear Phenomena, 2000, 144, 309-334.	2.8	66
4	Controlling chaotic systems with multiple strange attractors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 300, 182-188.	2.1	59
5	Controlling the Lorenz system: combining global and local schemes. Chaos, Solitons and Fractals, 2001, 12, 2375-2380.	5.1	36
6	Learning behavior in abstract memory schemes for dynamic optimization problems. Soft Computing, 2009, 13, 1163-1173.	3.6	35
7	Local Control of Chaotic Systems â€" A Lyapunov Approach. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 1565-1573.	1.7	29
8	An Evolutionary Algorithm for Controlling Chaos: The Use of Multiâ€"objective Fitness Functions. Lecture Notes in Computer Science, 2002, , 308-317.	1.3	28
9	Memory Based on Abstraction for Dynamic Fitness Functions. Lecture Notes in Computer Science, 2008, , 596-605.	1.3	23
10	Memory Design for Constrained Dynamic Optimization Problems. Lecture Notes in Computer Science, 2010, , 552-561.	1.3	23
11	Control of the triple chaotic attractor in a Cournot triopoly model. Chaos, Solitons and Fractals, 2004, 20, 409-413.	5.1	22
12	Coupled map lattices as spatio-temporal fitness functions: Landscape measures and evolutionary optimization. Physica D: Nonlinear Phenomena, 2008, 237, 167-186.	2.8	22
13	Hyper-learning for population-based incremental learning in dynamic environments. , 2009, , .		21
14	Evolutionary Optimization in Spatioâ€"temporal Fitness Landscapes. Lecture Notes in Computer Science, 2006, , 1-10.	1.3	18
15	Dynamic landscape models of coevolutionary games. BioSystems, 2017, 153-154, 26-44.	2.0	16
16	On a family of maps with multiple chaotic attractors. Chaos, Solitons and Fractals, 2008, 36, 559-571.	5.1	15
17	Dynamic Fitness Landscape Analysis. Studies in Computational Intelligence, 2013, , 269-297.	0.9	15
18	Evolutionary Optimization and Dynamic Fitness Landscapes. Studies in Computational Intelligence, 2010, , 409-446.	0.9	15

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19	Properties of network structures, structure coefficients, and benefit-to-cost ratios. BioSystems, 2019, 180, 88-100.	2.0	13
20	Automatic generation of bounds for polynomial systems with application to the Lorenz system. Chaos, Solitons and Fractals, 2018, 113, 25-30.	5.1	11
21	Behavior of Evolutionary Algorithms in Chaotically Changing Fitness Landscapes. Lecture Notes in Computer Science, 2004, , 111-120.	1.3	10
22	Change detection in dynamic fitness landscapes: An immunological approach. , 2009, , .		9
23	Calculating Positive Invariant Sets: A Quantifier Elimination Approach. Journal of Computational and Nonlinear Dynamics, 2019, 14, .	1.2	9
24	Change detection in dynamic fitness landscapes with time-dependent constraints. , 2010, , .		8
25	Solving Dynamic Constrained Optimization Problems with Asynchronous Change Pattern. Lecture Notes in Computer Science, 2011, , 334-343.	1.3	8
26	Codynamic fitness landscapes of coevolutionary minimal substrates. , 2014, , .		5
27	Analyzing coevolutionary games with dynamic fitness landscapes. , 2016, , .		5
28	Fixation properties of multiple cooperator configurations on regular graphs. Theory in Biosciences, 2019, 138, 261-275.	1.4	5
29	Visual Art Inspired by the Collective Feeding Behavior of Sand-Bubbler Crabs. Lecture Notes in Computer Science, 2018, , 1-17.	1.3	5
30	Dynamic Optimization Using Analytic and Evolutionary Approaches: A Comparative Review. Intelligent Systems Reference Library, 2013, , 1-28.	1.2	5
31	Fitness Landscapes That Depend on Time. Emergence, Complexity and Computation, 2014, , 265-299.	0.3	5
32	On Taylor series expansion for chaotic nonlinear systems. Chaos, Solitons and Fractals, 2002, 13, 1783-1789.	5.1	4
33	CONTROLLING CHAOS IN MAPS WITH MULTIPLE STRANGE ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 3037-3051.	1.7	4
34	Lyapunov stability bounds mapping for descriptor and switching systems. , 2016, , .		4
35	Can a polynomial interpolation improve on the Kaplanâ€“Yorke dimension?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4689-4693.	2.1	3
36	Fault detection in rotating machinery using spectral modeling. , 2012, , .		3

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37	Spectral analysis of transient amplifiers for deathâ€“birth updating constructed from regular graphs. Journal of Mathematical Biology, 2021, 82, 61.	1.9	3
38	Coevolutionary Intransitivity in Games: A Landscape Analysis. Lecture Notes in Computer Science, 2015, , 869-881.	1.3	3
39	Using an artificial immune system for classifying aerodynamic instabilities of centrifugal compressors. , 2010, , .		2
40	AN ARTIFICIAL IMMUNE SYSTEM FOR CLASSIFYING AERODYNAMIC INSTABILITIES OF CENTRIFUGAL COMPRESSORS. International Journal of Computational Intelligence and Applications, 2012, 11, 1250002.	0.8	2
41	Calculating regions of stability with evolutionary algorithms using R-functions. , 2015, , .		2
42	Analyzing Dynamic Fitness Landscapes of the Targeting Problem of Chaotic Systems. Lecture Notes in Computer Science, 2012, , 83-92.	1.3	2
43	Learning in Abstract Memory Schemes for Dynamic Optimization. , 2008, , .		1
44	Optimised parameter space stability bounds for switching systems. , 2016, , .		1
45	Scale-invariance of ruggedness measures in fractal fitness landscapes. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 460-473.	1.0	1
46	Information Content of Coevolutionary Game Landscapes. , 2018, , .		1
47	Evolution of Cooperation for Multiple Mutant Configurations on All Regular Graphs with N â‰ 14 Players. Games, 2020, 11, 12.	0.6	1
48	Designing Color Symmetry in Stigmergic Art. Mathematics, 2021, 9, 1882.	2.2	1
49	Algebraic Stability Analysis of Particle Swarm Optimization Using Stochastic Lyapunov Functions and Quantifier Elimination. SN Computer Science, 2021, 2, 1.	3.6	1
50	Chaotisches Verhalten dynamischer Systeme und seine regelungstechnische Behandlung (Chaotic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2000, 48, 471.	0.8	0
51	ON OPTIMALITY OF LOCAL CONTROL OF CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 871-879.	1.7	0
52	An Evolutionary Approach for Automatic Seedpoint Setting in Brain Fiber Tracking. Lecture Notes in Computer Science, 2013, , 397-406.	1.3	0
53	EDA-Based Optimization of Blow-Off Valve Positions for Centrifugal Compressor Systems. Lecture Notes in Computer Science, 2021, , 437-452.	1.3	0
54	Evolutionary Algorithms for Chaos Researchers. Studies in Computational Intelligence, 2010, , 37-88.	0.9	0

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55	Relationships Between Dilemma Strength and Fixation Properties in Coevolutionary Games. Advances in Intelligent Systems and Computing, 2020, , 252-259.	0.6	0
56	EvoStar 2019: Bio-Inspired Computing and Automation. Automatisierungstechnik, 2020, 68, 87-88.	0.8	0
57	Generating symmetry and symmetry breaking in sand-bubbler patterns. , 2020, , .		0