

# Hendrik Richter

## List of Publications by Year in descending order

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57  
papers

743  
citations

567144

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h-index

610775

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g-index

59  
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59  
docs citations

59  
times ranked

407  
citing authors

#	ARTICLE	IF	CITATIONS
1	EDA-Based Optimization of Blow-Off Valve Positions for Centrifugal Compressor Systems. Lecture Notes in Computer Science, 2021, , 437-452.	1.0	0
2	Spectral analysis of transient amplifiers for death–birth updating constructed from regular graphs. Journal of Mathematical Biology, 2021, 82, 61.	0.8	3
3	Designing Color Symmetry in Stigmergic Art. Mathematics, 2021, 9, 1882.	1.1	1
4	Algebraic Stability Analysis of Particle Swarm Optimization Using Stochastic Lyapunov Functions and Quantifier Elimination. SN Computer Science, 2021, 2, 1.	2.3	1
5	Evolution of Cooperation for Multiple Mutant Configurations on All Regular Graphs with $N \geq 14$ Players. Games, 2020, 11, 12.	0.4	1
6	Relationships Between Dilemma Strength and Fixation Properties in Coevolutionary Games. Advances in Intelligent Systems and Computing, 2020, , 252-259.	0.5	0
7	EvoStar 2019: Bio-Inspired Computing and Automation. Automatisierungstechnik, 2020, 68, 87-88.	0.4	0
8	Generating symmetry and symmetry breaking in sand-bubbler patterns. , 2020, , .		0
9	Calculating Positive Invariant Sets: A Quantifier Elimination Approach. Journal of Computational and Nonlinear Dynamics, 2019, 14, .	0.7	9
10	Fixation properties of multiple cooperators configurations on regular graphs. Theory in Biosciences, 2019, 138, 261-275.	0.6	5
11	Properties of network structures, structure coefficients, and benefit-to-cost ratios. BioSystems, 2019, 180, 88-100.	0.9	13
12	Scale-invariance of ruggedness measures in fractal fitness landscapes. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 460-473.	0.7	1
13	Information Content of Coevolutionary Game Landscapes. , 2018, , .		1
14	Automatic generation of bounds for polynomial systems with application to the Lorenz system. Chaos, Solitons and Fractals, 2018, 113, 25-30.	2.5	11
15	Visual Art Inspired by the Collective Feeding Behavior of Sand-Bubbler Crabs. Lecture Notes in Computer Science, 2018, , 1-17.	1.0	5
16	Dynamic landscape models of coevolutionary games. BioSystems, 2017, 153-154, 26-44.	0.9	16
17	Analyzing coevolutionary games with dynamic fitness landscapes. , 2016, , .		5
18	Optimised parameter space stability bounds for switching systems. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Lyapunov stability bounds mapping for descriptor and switching systems. , 2016, , .		4
20	Calculating regions of stability with evolutionary algorithms using R-functions. , 2015, , .		2
21	Coevolutionary Intransitivity in Games: A Landscape Analysis. Lecture Notes in Computer Science, 2015, , 869-881.	1.0	3
22	Codynamic fitness landscapes of coevolutionary minimal substrates. , 2014, , .		5
23	Fitness Landscapes That Depend on Time. Emergence, Complexity and Computation, 2014, , 265-299.	0.2	5
24	An Evolutionary Approach for Automatic Seedpoint Setting in Brain Fiber Tracking. Lecture Notes in Computer Science, 2013, , 397-406.	1.0	0
25	Dynamic Optimization Using Analytic and Evolutionary Approaches: A Comparative Review. Intelligent Systems Reference Library, 2013, , 1-28.	1.0	5
26	Dynamic Fitness Landscape Analysis. Studies in Computational Intelligence, 2013, , 269-297.	0.7	15
27	AN ARTIFICIAL IMMUNE SYSTEM FOR CLASSIFYING AERODYNAMIC INSTABILITIES OF CENTRIFUGAL COMPRESSORS. International Journal of Computational Intelligence and Applications, 2012, 11, 1250002.	0.6	2
28	Fault detection in rotating machinery using spectral modeling. , 2012, , .		3
29	Analyzing Dynamic Fitness Landscapes of the Targeting Problem of Chaotic Systems. Lecture Notes in Computer Science, 2012, , 83-92.	1.0	2
30	Solving Dynamic Constrained Optimization Problems with Asynchronous Change Pattern. Lecture Notes in Computer Science, 2011, , 334-343.	1.0	8
31	Using an artificial immune system for classifying aerodynamic instabilities of centrifugal compressors. , 2010, , .		2
32	Change detection in dynamic fitness landscapes with time-dependent constraints. , 2010, , .		8
33	Memory Design for Constrained Dynamic Optimization Problems. Lecture Notes in Computer Science, 2010, , 552-561.	1.0	23
34	Evolutionary Optimization and Dynamic Fitness Landscapes. Studies in Computational Intelligence, 2010, , 409-446.	0.7	15
35	Evolutionary Algorithms for Chaos Researchers. Studies in Computational Intelligence, 2010, , 37-88.	0.7	0
36	Hyper-learning for population-based incremental learning in dynamic environments. , 2009, , .		21

#	ARTICLE	IF	CITATIONS
37	Learning behavior in abstract memory schemes for dynamic optimization problems. <i>Soft Computing</i> , 2009, 13, 1163-1173.	2.1	35
38	Detecting change in dynamic fitness landscapes. , 2009, , .		86
39	Change detection in dynamic fitness landscapes: An immunological approach. , 2009, , .		9
40	Coupled map lattices as spatio-temporal fitness functions: Landscape measures and evolutionary optimization. <i>Physica D: Nonlinear Phenomena</i> , 2008, 237, 167-186.	1.3	22
41	Can a polynomial interpolation improve on the Kaplan-Yorke dimension?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 4689-4693.	0.9	3
42	On a family of maps with multiple chaotic attractors. <i>Chaos, Solitons and Fractals</i> , 2008, 36, 559-571.	2.5	15
43	Learning in Abstract Memory Schemes for Dynamic Optimization. , 2008, , .		1
44	Memory Based on Abstraction for Dynamic Fitness Functions. <i>Lecture Notes in Computer Science</i> , 2008, , 596-605.	1.0	23
45	Evolutionary Optimization in Spatio-temporal Fitness Landscapes. <i>Lecture Notes in Computer Science</i> , 2006, , 1-10.	1.0	18
46	Control of the triple chaotic attractor in a Cournot triopoly model. <i>Chaos, Solitons and Fractals</i> , 2004, 20, 409-413.	2.5	22
47	Behavior of Evolutionary Algorithms in Chaotically Changing Fitness Landscapes. <i>Lecture Notes in Computer Science</i> , 2004, , 111-120.	1.0	10
48	CONTROLLING CHAOS IN MAPS WITH MULTIPLE STRANGE ATTRACTORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003, 13, 3037-3051.	0.7	4
49	THE GENERALIZED HÄNON MAPS: EXAMPLES FOR HIGHER-DIMENSIONAL CHAOS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002, 12, 1371-1384.	0.7	76
50	An Evolutionary Algorithm for Controlling Chaos: The Use of Multi-objective Fitness Functions. <i>Lecture Notes in Computer Science</i> , 2002, , 308-317.	1.0	28
51	On Taylor series expansion for chaotic nonlinear systems. <i>Chaos, Solitons and Fractals</i> , 2002, 13, 1783-1789.	2.5	4
52	Controlling chaotic systems with multiple strange attractors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 300, 182-188.	0.9	59
53	Controlling the Lorenz system: combining global and local schemes. <i>Chaos, Solitons and Fractals</i> , 2001, 12, 2375-2380.	2.5	36
54	ON OPTIMALITY OF LOCAL CONTROL OF CHAOS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001, 11, 871-879.	0.7	0

#	ARTICLE	IF	CITATIONS
55	Optimization of local control of chaos by an evolutionary algorithm. Physica D: Nonlinear Phenomena, 2000, 144, 309-334.	1.3	66
56	Chaotisches Verhalten dynamischer Systeme und seine regelungstechnische Behandlung (Chaotic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2000, 48, 471.	0.4	0
57	Local Control of Chaotic Systems â€™ A Lyapunov Approach, International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 1565-1573.	0.7	29