Hitoshi Iba

List of Publications by Year
in descending order

37 papers	1,628 citations	840585 11 h-index	839398 18 g-index
40 all docs	40 docs citations	40 times ranked	1307 citing authors

#	Article	IF	Citations
1	Accelerating Differential Evolution Using an Adaptive Local Search. IEEE Transactions on Evolutionary Computation, 2008, 12, 107-125.	7.5	556
2	Differential evolution for economic load dispatch problems. Electric Power Systems Research, 2008, 78, 1322-1331.	2.1	402
3	Inferring Gene Regulatory Networks using Differential Evolution with Local Search Heuristics. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2007, 4, 634-647.	1.9	123
4	Enhancing differential evolution performance with local search for high dimensional function optimization. , 2005, , .		92
5	A Numerical Approach to Genetic Programming for System Identification. Evolutionary Computation, 1995, 3, 417-452.	2.3	74
6	Reverse engineering gene regulatory network from microarray data using linear time-variant model. BMC Bioinformatics, 2010, 11, S56.	1.2	64
7	Inference of differential equation models by genetic programming. Information Sciences, 2008, 178, 4453-4468.	4.0	58
8	Inference of gene regulatory networks using s-system and differential evolution. , 2005, , .		44
9	An adaptive differential evolution algorithm. , 2011, , .		29
10	Interactive evolutionary computation. New Generation Computing, 2005, 23, 113-114.	2.5	27
11	An Effective Method for Evolving Reaction Networks in Synthetic Biochemical Systems. IEEE Transactions on Evolutionary Computation, 2015, 19, 374-386.	7.5	27
12	Latent Variable Model for Estimation of Distribution Algorithm Based on a Probabilistic Context-Free Grammar. IEEE Transactions on Evolutionary Computation, 2009, 13, 858-878.	7.5	25
13	Machine learning approach to gate-level Evolvable Hardware. Lecture Notes in Computer Science, 1997, , 327-343.	1.0	25
14	Accelerated Genetic Programming of Polynomials. Genetic Programming and Evolvable Machines, 2001, 2, 231-257.	1.5	17
15	A new generation alternation model for differential evolution. , 2006, , .		11
16	On the use of Population Based Incremental Learning to do Reverse Engineering on Gene Regulatory Networks. , 2012, , .		7
17	Evolving Genetic Networks for Synthetic Biology. New Generation Computing, 2013, 31, 71-88.	2.5	6
18	Cellular Differential Evolution Algorithm. Lecture Notes in Computer Science, 2010, , 293-302.	1.0	6

#	ARTICLE	IF	CITATIONS
19	Money in trees: How memes, trees, and isolation can optimize financial portfolios. Information Sciences, 2012, 182, 184-198.	4.0	5
20	Study on the Use of Evolutionary Techniques for Inference in Gene Regulatory Networks. Proceedings in Information and Communications Technology, 2013, , 82-92.	0.2	5
21	Pattern recognition system using evolvable hardware. Systems and Computers in Japan, 2000, 31, 1-11.	0.2	4
22	Solving dynamic economic dispatch problems using cellular differential evolution. , 2011, , .		3
23	Vanishing ideal genetic programming. , 2016, , .		3
24	Musical Composition by Interactive Evolutionary Computation and Latent Space Modeling. , 2018, , .		2
25	Meta-heuristics, Machine Learning, and Deep Learning Methods. , 2018, , 27-75.		2
26	A New GP Recombination Method Using Random Tree Sampling. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 775-781.	0.1	2
27	Polynomial Selection: A new way to tune selective pressure. , 2010, , .		1
28	GP-RVM: Genetic Programing-Based Symbolic Regression Using Relevance Vector Machine. , 2018, , .		1
29	A Study on Computational Efficiency and Plasticity in Baldwinian Learning. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 1300-1309.	0.5	1
30	Evolutionary Optimization of Multi-step Dynamic Systems Learning. , 2022, , .		1
31	Binary Encoded-Prototype Tree for Probabilistic Model Building GP. Transactions of the Japanese Society for Artificial Intelligence, 2010, 25, 340-350.	0.1	0
32	Tuning selection pressure in differential evolution using local selection. , 2010, , .		0
33	Recent Theoretical Research Trends on Genetic Programming. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2011, 23, 3-11.	0.0	0
34	Evolving an effective robot tour guide. , 2011, , .		0
35	Swarm Intelligence for Object Retrieval Applying Cooperative Transportation in Unknown Environments. , 2018, , .		0
36	Composition of Music and Financial Strategies via Genetic Programming. Genetic and Evolutionary Computation, 2011, , 211-226.	1.0	0

#	Article	IF	Citations
37	Inferring Genetic Networks with a Recurrent Neural Network Model Using Differential Evolution. , 2014, , 355-373.		0