# 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 | Evolutionary Optimization of Multi-step Dynamic Systems Learning. , 2022, , . | | 1 |
| 2 | Swarm Intelligence for Object Retrieval Applying Cooperative Transportation in Unknown Environments. , 2018, , . | | 0 |
| 3 | GP-RVM: Genetic Programing-Based Symbolic Regression Using Relevance Vector Machine. , 2018, , . | | 1 |
| 4 | Musical Composition by Interactive Evolutionary Computation and Latent Space Modeling. , 2018, , . | | 2 |
| 5 | Meta-heuristics, Machine Learning, and Deep Learning Methods. , 2018, , 27-75. | | 2 |
| 6 | Vanishing ideal genetic programming. , 2016, , . | | 3 |
| 7 | An Effective Method for Evolving Reaction Networks in Synthetic Biochemical Systems. IEEE Transactions on Evolutionary Computation, 2015, 19, 374-386. | 7.5 | 27 |
| 8 | Inferring Genetic Networks with a Recurrent Neural Network Model Using Differential Evolution. , 2014, , 355-373. | | 0 |
| 9 | Evolving Genetic Networks for Synthetic Biology. New Generation Computing, 2013, 31, 71-88. | 2.5 | 6 |
| 10 | 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 |
| 11 | On the use of Population Based Incremental Learning to do Reverse Engineering on Gene Regulatory Networks. , 2012, , . | | 7 |
| 12 | Money in trees: How memes, trees, and isolation can optimize financial portfolios. Information Sciences, 2012, 182, 184-198. | 4.0 | 5 |
| 13 | Recent Theoretical Research Trends on Genetic Programming. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2011, 23, 3-11. | 0.0 | 0 |
| 14 | Solving dynamic economic dispatch problems using cellular differential evolution. , 2011, , . | | 3 |
| 15 | An adaptive differential evolution algorithm. , 2011, , . | | 29 |
| 16 | Evolving an effective robot tour guide. , 2011, , . | | 0 |
| 17 | Composition of Music and Financial Strategies via Genetic Programming. Genetic and Evolutionary Computation, 2011, , 211-226. | 1.0 | 0 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Binary Encoded-Prototype Tree for Probabilistic Model Building GP. Transactions of the Japanese Society for Artificial Intelligence, 2010, 25, 340-350. | 0.1 | 0 |
| 20 | Polynomial Selection: A new way to tune selective pressure. , 2010, , . | | 1 |
| 21 | Reverse engineering gene regulatory network from microarray data using linear time-variant model. BMC Bioinformatics, 2010, 11, S56. | 1.2 | 64 |
| 22 | Tuning selection pressure in differential evolution using local selection. , 2010, , . | | 0 |
| 23 | Cellular Differential Evolution Algorithm. Lecture Notes in Computer Science, 2010, , 293-302. | 1.0 | 6 |
| 24 | A New GP Recombination Method Using Random Tree Sampling. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 775-781. | 0.1 | 2 |
| 25 | 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 |
| 26 | Differential evolution for economic load dispatch problems. Electric Power Systems Research, 2008, 78, 1322-1331. | 2.1 | 402 |
| 27 | Inference of differential equation models by genetic programming. Information Sciences, 2008, 178, 4453-4468. | 4.0 | 58 |
| 28 | Accelerating Differential Evolution Using an Adaptive Local Search. IEEE Transactions on Evolutionary Computation, 2008, 12, 107-125. | 7.5 | 556 |
| 29 | 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 |
| 30 | A new generation alternation model for differential evolution. , 2006, , . | | 11 |
| 31 | Interactive evolutionary computation. New Generation Computing, 2005, 23, 113-114. | 2.5 | 27 |
| 32 | Inference of gene regulatory networks using s-system and differential evolution. , 2005, , . | | 44 |
| 33 | Enhancing differential evolution performance with local search for high dimensional function optimization. , 2005, , . | | 92 |
| 34 | Accelerated Genetic Programming of Polynomials. Genetic Programming and Evolvable Machines, 2001, 2, 231-257. | 1.5 | 17 |
| 35 | Pattern recognition system using evolvable hardware. Systems and Computers in Japan, 2000, 31, 1-11. | 0.2 | 4 |
| 36 | Machine learning approach to gate-level Evolvable Hardware. Lecture Notes in Computer Science, 1997, , 327-343. | 1.0 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A Numerical Approach to Genetic Programming for System Identification. Evolutionary Computation, 1995, 3, 417-452. | 2.3 | 74 |