

Anthony Brabazon

List of Publications by Year in descending order

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61
papers

1,045
citations

471509

17
h-index

477307

29
g-index

63
all docs

63
docs citations

63
times ranked

719
citing authors

#	ARTICLE	IF	CITATIONS
1	An Exploration of Asocial and Social Learning in the Evolution of Variable-length Structures. , 2021, , .		0
2	Applications of genetic programming to finance and economics: past, present, future. Genetic Programming and Evolvable Machines, 2020, 21, 33-53.	2.2	22
3	Slime mould foraging: an inspiration for algorithmic design. International Journal of Innovative Computing and Applications, 2020, 11, 30.	0.2	7
4	Business analytics capability, organisational value and competitive advantage. Journal of Business Analytics, 2019, 2, 160-173.	2.7	14
5	Mutational Robustness and Structural Complexity in Grammatical Evolution. , 2019, , .		2
6	A Survey of Statistical Machine Learning Elements in Genetic Programming. IEEE Transactions on Evolutionary Computation, 2019, 23, 1029-1048.	10.0	22
7	A genetic programming approach for delta hedging. Genetic Programming and Evolvable Machines, 2019, 20, 67-92.	2.2	2
8	Grammatical Evolution in Finance and Economics: A Survey. , 2018, , 263-288.		0
9	Evolutionary Behavior Tree Approaches for Navigating Platform Games. IEEE Transactions on Games, 2017, 9, 227-238.	1.4	44
10	Feature selection for speaker verification using genetic programming. Evolutionary Intelligence, 2017, 10, 1-21.	3.6	10
11	Regularised gradient boosting for financial time-series modelling. Computational Management Science, 2017, 14, 367-391.	1.3	9
12	Foraging inspired algorithms: A design perspective. , 2017, , .		0
13	An Analysis of the Performance of Genetic Programming for Realised Volatility Forecasting. Journal of Artificial Intelligence and Soft Computing Research, 2016, 6, 155-172.	4.3	11
14	Foreword: special issue on computational finance and economics. Evolutionary Intelligence, 2016, 9, 111-112.	3.6	0
15	Genetic Programming with Memory For Financial Trading. Lecture Notes in Computer Science, 2016, , 19-34.	1.3	4
16	Speaker Verification on Unbalanced Data with Genetic Programming. Lecture Notes in Computer Science, 2016, , 737-753.	1.3	2
17	Characterising order book evolution using self-organising maps. Evolutionary Intelligence, 2016, 9, 167-179.	3.6	2
18	The raven roosting optimisation algorithm. Soft Computing, 2016, 20, 525-545.	3.6	34

#	ARTICLE	IF	CITATIONS
19	A genetic programming approach for delta hedging. , 2015, , .		0
20	Natural Computing Algorithms. Natural Computing Series, 2015, , .	2.2	68
21	Ensemble Bayesian Model Averaging in Genetic Programming. , 2014, , .		5
22	Evolving parametric aircraft models for design exploration and optimisation. Neurocomputing, 2014, 142, 39-47.	5.9	34
23	An analysis of price impact functions of individual trades on the London Stock Exchange. , 2014, , .		0
24	Geometric Semantic Genetic Programming for Financial Data. Lecture Notes in Computer Science, 2014, , 215-226.	1.3	7
25	A methodology for user directed search in evolutionary design. Genetic Programming and Evolvable Machines, 2013, 14, 287-314.	2.2	4
26	Examining the role of perception, social and private information in honey bee foraging algorithms. International Journal of Innovative Computing and Applications, 2013, 5, 240.	0.2	3
27	Controlling Overfitting in Symbolic Regression Based on a Bias/Variance Error Decomposition. Lecture Notes in Computer Science, 2012, , 438-447.	1.3	16
28	Optimal patent design: An agent-based approach. , 2012, , .		0
29	An agent-based modeling approach to study price impact. , 2012, , .		16
30	Learning environment models in car racing using stateful Genetic Programming. , 2011, , .		7
31	Tracer spectrum: a visualisation method for distributed evolutionary computation. Genetic Programming and Evolvable Machines, 2011, 12, 161-171.	2.2	2
32	Defining locality as a problem difficulty measure in genetic programming. Genetic Programming and Evolvable Machines, 2011, 12, 365-401.	2.2	35
33	Neutrality in evolutionary algorithmsâ€¦ What do we know?. Evolving Systems, 2011, 2, 145-163.	3.9	42
34	Early stopping criteria to counteract overfitting in genetic programming. , 2011, , .		5
35	Maximum Margin Decision Surfaces for Increased Generalisation in Evolutionary Decision Tree Learning. Lecture Notes in Computer Science, 2011, , 61-72.	1.3	12
36	Evolutionary design using grammatical evolution and shape grammars: designing a shelter. International Journal of Design Engineering, 2010, 3, 4.	0.3	29

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37	Genotype representations in grammatical evolution. Applied Soft Computing Journal, 2010, 10, 36-43.	7.2	34
38	The new "brew"™ on the Liffey: How FMC ² is adding the yeast. Quantitative Finance, 2010, 10, 241-245.	1.7	1
39	Higher-order functions in aesthetic EC encodings. , 2010, , .		6
40	Interactive interpolating crossover in grammatical evolution. , 2010, , .		0
41	Defining locality in genetic programming to predict performance. , 2010, , .		13
42	Swarm intelligence-based stochastic programming model for dynamic asset allocation. , 2010, , .		1
43	Towards an understanding of locality in genetic programming. , 2010, , .		25
44	An Analysis of the Behaviour of Mutation in Grammatical Evolution. Lecture Notes in Computer Science, 2010, , 14-25.	1.3	19
45	Structural and nodal mutation in grammatical evolution. , 2009, , .		18
46	Shape grammars and grammatical evolution for evolutionary design. , 2009, , .		23
47	Foundations in Grammatical Evolution for Dynamic Environments. Studies in Computational Intelligence, 2009, , .	0.9	107
48	Dynamic High Frequency Trading: A Neuro-Evolutionary Approach. Lecture Notes in Computer Science, 2009, , 233-242.	1.3	2
49	Recent Patents on Genetic Programming. Recent Patents on Computer Science, 2009, 2, 43-49.	0.5	3
50	Self-organising swarm (SOSwarm). Soft Computing, 2008, 12, 1073-1080.	3.6	14
51	An Introduction to Evolutionary Computation in Finance. IEEE Computational Intelligence Magazine, 2008, 3, 42-55.	3.2	59
52	Self-organizing swarm (SOSwarm) for financial credit-risk assessment. , 2008, , .		6
53	Benchmarking the performance of the real-valued Quantum-inspired Evolutionary Algorithm. , 2008, , .		0
54	Adaptive genetic programming for option pricing. , 2007, , .		18

#	ARTICLE	IF	CITATIONS
55	Constant creation in grammatical evolution. International Journal of Innovative Computing and Applications, 2007, 1, 23.	0.2	26
56	Grammatical Swarm: The generation of programs by social programming. Natural Computing, 2006, 5, 443-462.	3.0	74
57	Prediction of the Exact Degree of Internal Carotid Artery Stenosis Using an Artificial Neural Network Based on Duplex Velocity Measurements. Annals of Vascular Surgery, 2005, 19, 829-837.	0.9	7
58	ORGANIZATIONAL STRATEGIC ADAPTATION IN THE PRESENCE OF INERTIA. International Journal of Modeling, Simulation, and Scientific Computing, 2005, 08, 497-519.	1.4	6
59	Grammatical Swarm. Lecture Notes in Computer Science, 2004, , 163-174.	1.3	19
60	A hybrid genetic model for the prediction of corporate failure. Computational Management Science, 2004, 1, 293-310.	1.3	40
61	Evolving technical trading rules for spot foreign-exchange markets using grammatical evolution. Computational Management Science, 2004, 1, 311-327.	1.3	42