

# Saratha Sathasivam

## List of Publications by Year in descending order

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Version: 2024-02-01

87  
papers

577  
citations

687220

13  
h-index

713332

21  
g-index

88  
all docs

88  
docs citations

88  
times ranked

243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical solutions of fuzzy time fractional advection-diffusion equations in double parametric form of fuzzy number. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 7956-7968.	1.2	8
2	Examining the Forecasting Movement of Palm Oil Price Using RBFNN-2SATRA Metaheuristic Algorithms for Logic Mining. <i>IEEE Access</i> , 2021, 9, 22542-22557.	2.6	18
3	Satisfiability Logic Analysis Via Radial Basis Function Neural Network with Artificial Bee Colony Algorithm. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2021, 6, 164.	1.0	6
4	Grey Wolf Optimization algorithm with Discrete Hopfield Neural Network for 3 Satisfiability analysis. <i>Journal of Physics: Conference Series</i> , 2021, 1821, 012038.	0.3	6
5	A compact Crank-Nicolson scheme for the numerical solution of fuzzy time fractional diffusion equations. <i>Neural Computing and Applications</i> , 2020, 32, 6405-6412.	3.2	7
6	Artificial Immune System in Doing 2-Satisfiability Based Reverse Analysis Method via a Radial Basis Function Neural Network. <i>Processes</i> , 2020, 8, 1295.	1.3	7
7	Developing random satisfiability logic programming in Hopfield neural network. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
8	Ant colony optimization for 2 satisfiability in restricted neural symbolic integration. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
9	3-satisfiability reverse analysis method with Hopfield neural network for medical data set. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
10	k satisfiability programming by using estimation of distribution algorithm in Hopfield neural network. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
11	Commodity price analysis by using logic mining. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
12	Hybrid clonal selection algorithm with Hopfield neural network for 3-satisfiability data mining on Amazon's Employees Resources Access. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
13	Enhanced imperialist competitive algorithm for 2-satisfiability logic mining in bank marketing data set. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
14	A new artificial immune system algorithm for training the 2 satisfiability radial basis function neural network. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
15	Hybrid ant colony optimization for even-2 satisfiability programming in Hopfield neural network. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
16	The effect of logical permutation in 2 satisfiability reverse analysis method. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
17	Information extraction using 2 satisfiability based reverse analysis method in MOBA game. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
18	Election Algorithm for Random k Satisfiability in the Hopfield Neural Network. <i>Processes</i> , 2020, 8, 568.	1.3	33

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19	Systematic Boolean Satisfiability Programming in Radial Basis Function Neural Network. Processes, 2020, 8, 214.	1.3	17
20	Radial basis function neural network for 2 satisfiability programming. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 18, 459.	0.7	11
21	Performance comparison between exhaustive search and imperialist competitive algorithm for 3-satisfiability programming. AIP Conference Proceedings, 2019, , .	0.3	0
22	2 satisfiability logical rule by using ant colony optimization in Hopfield Neural Network. AIP Conference Proceedings, 2019, , .	0.3	1
23	2 satisfiability logic programming in radial basis function neural networks. , 2019, , .		0
24	Discrete Mutation Hopfield Neural Network in Propositional Satisfiability. Mathematics, 2019, 7, 1133.	1.1	39
25	Studentsâ€™ performance via satisfiability reverse analysis method with Hopfield Neural Network. AIP Conference Proceedings, 2019, , .	0.3	2
26	Comparing the logic programming between Hopfield neural network and radial basis function neural network. AIP Conference Proceedings, 2019, , .	0.3	0
27	Self-Adaptive Single Objective Hybrid Algorithm for Unconstrained and Constrained Test functions: An Application of Optimization Algorithm. Arabian Journal for Science and Engineering, 2019, 44, 3497-3513.	1.7	6
28	Numerical solutions of fuzzy fractional diffusion equations by an implicit finite difference scheme. Neural Computing and Applications, 2019, 31, 4085-4094.	3.2	11
29	Forecasting comparisons using a hybrid ARFIMA and LRNN models. Communications in Statistics Part B: Simulation and Computation, 2018, 47, 2286-2303.	0.6	3
30	Flexible kernels discrete Hopfield neural network. AIP Conference Proceedings, 2018, , .	0.3	0
31	Artificial immune system algorithm with neural network approach for social media performance metrics. AIP Conference Proceedings, 2018, , .	0.3	3
32	Satisfiability based reverse analysis method in diabetes detection. AIP Conference Proceedings, 2018, , .	0.3	4
33	Comparison of regression analysis and neural network models based on heteroscedasticity. AIP Conference Proceedings, 2018, , .	0.3	1
34	On the fusion of neural network models in the case of heteroscedasticity. AIP Conference Proceedings, 2018, , .	0.3	1
35	Maximum 2 satisfiability logical rule in restrictive learning environment. AIP Conference Proceedings, 2018, , .	0.3	0
36	3-satisfiability logic programming approach for cardiovascular diseases diagnosis. AIP Conference Proceedings, 2018, , .	0.3	6

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37	Enhanced metaheuristic approach in pattern satisfiability problem. AIP Conference Proceedings, 2018, , .	0.3	1
38	Linear kernel Hopfield neural network approach in horn clause programming. AIP Conference Proceedings, 2018, , .	0.3	2
39	Discrete Hopfield Neural Network in Restricted Maximum k-Satisfiability Logic Programming. Sains Malaysiana, 2018, 47, 1327-1335.	0.3	34
40	Intelligence system based classification approach for medical disease diagnosis. AIP Conference Proceedings, 2017, , .	0.3	3
41	Design of a modified adaptive neuro fuzzy inference system classifier for medical diagnosis of Pima Indians Diabetes. AIP Conference Proceedings, 2017, , .	0.3	7
42	Predicting the survival of diabetes using neural network. AIP Conference Proceedings, 2017, , .	0.3	8
43	Hybrid genetic algorithm in the Hopfield network for maximum 2-satisfiability problem. AIP Conference Proceedings, 2017, , .	0.3	14
44	Artificial bee colony in neuro - Symbolic integration. AIP Conference Proceedings, 2017, , .	0.3	0
45	Artificial immune system algorithm in VLSI circuit configuration. AIP Conference Proceedings, 2017, , .	0.3	0
46	Post optimization paradigm in maximum 3-satisfiability logic programming. AIP Conference Proceedings, 2017, , .	0.3	0
47	On the fusion of tuning parameters of fuzzy rules and neural network. , 2017, , .		0
48	Time series forecasting using ERNN and QR based on Bayesian model averaging. AIP Conference Proceedings, 2017, , .	0.3	0
49	Robust Artificial Immune System in the Hopfield network for Maximum k-Satisfiability. International Journal of Interactive Multimedia and Artificial Intelligence, 2017, 4, 63.	1.0	11
50	AGENT BASED MODELLING FOR NEW TECHNIQUE IN NEURO SYMBOLIC INTEGRATION. MATTER International Journal of Science and Technology, 2017, 3, 445-454.	0.1	0
51	On the fusion of regression and neural network methods. International Journal of Intelligent Systems Technologies and Applications, 2016, 15, 255.	0.2	0
52	Automated Architecture Selection for Radial Basis Function Neural Networks. Research Journal of Applied Sciences, Engineering and Technology, 2016, 12, 1146-1151.	0.1	0
53	Accelerating activation function in higher order logic programming. AIP Conference Proceedings, 2016, , .	0.3	2
54	Performance analysis of activation function in higher order logic programming. AIP Conference Proceedings, 2016, , .	0.3	4

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55	On the fusion of regression and neural network methods. AIP Conference Proceedings, 2016, , .	0.3	1
56	Accelerating activation function in higher order logic programming. AIP Conference Proceedings, 2016, , .	0.3	0
57	Activation function comparison in neural-symbolic integration. AIP Conference Proceedings, 2016, , .	0.3	5
58	Forecasting crude oil production using quadratic regression and layer recurrent neural network models. AIP Conference Proceedings, 2016, , .	0.3	2
59	A new hybrid quadratic regression and cascade forward backpropagation neural network. Neurocomputing, 2016, 182, 197-209.	3.5	24
60	VLSI Circuit Configuration Using Satisfiability Logic in Hopfield Network. International Journal of Intelligent Systems and Applications, 2016, 8, 22-29.	0.9	12
61	Accelerating Activation Function for 3- Satisfiability Logic Programming. International Journal of Intelligent Systems and Applications, 2016, 8, 44-50.	0.9	21
62	Enhanced Hopfield Network for Pattern Satisfiability Optimization. International Journal of Intelligent Systems and Applications, 2016, 8, 27-33.	0.9	19
63	Bezier Curves Satisfiability Model in Enhanced Hopfield Network. International Journal of Intelligent Systems and Applications, 2016, 8, 9-17.	0.9	6
64	Genetic Algorithm for Restricted Maximum k-Satisfiability in the Hopfield Network. International Journal of Interactive Multimedia and Artificial Intelligence, 2016, 4, 52.	1.0	12
65	Integration of Boltzmann machine and reverse analysis method. AIP Conference Proceedings, 2015, , .	0.3	0
66	Acceleration of reverse analysis method using hyperbolic activation function. AIP Conference Proceedings, 2015, , .	0.3	0
67	Mean Field Theory in Doing Logic Programming Using Hopfield Network. Modern Applied Science, 2015, 10, 154.	0.4	13
68	Boltzmann Machine and Hyperbolic Activation Function in Higher Order Network. Modern Applied Science, 2014, 8, .	0.4	7
69	Computing single step operators of logic programming in radial basis function neural networks. , 2014, , .		0
70	Satisfiability of logic programming based on radial basis function neural networks. , 2014, , .		3
71	Boltzmann machine and reverse analysis method. , 2013, , .		4
72	Design Optimization of Pin Fin Geometry Using Particle Swarm Optimization Algorithm. PLoS ONE, 2013, 8, e66080.	1.1	27

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73	Developing Agent Based Modeling for Reverse Analysis Method. Research Journal of Applied Sciences, Engineering and Technology, 2013, 6, 4281-4288.	0.1	2
74	Learning Logic Programming in Radial Basis Function Network via Genetic Algorithm. Journal of Applied Sciences, 2012, 12, 840-847.	0.1	34
75	Abduction in Neuro Symbolic Integration. , 2011, , .		0
76	Logic mining in neural network: reverse analysis method. Computing (Vienna/New York), 2011, 91, 119-133.	3.2	36
77	Learning Rules Comparison in Neuro-Symbolic Integration. International Journal of Applied Physics and Mathematics, 2011, , 129-132.	0.3	7
78	Usage Of New Activation Function In Neuro-Symbolic Integration. , 2010, , .		1
79	Neuro-symbolic Performance Comparison. , 2010, , .		0
80	Logic Learning in Hopfield Networks. Modern Applied Science, 2009, 2, .	0.4	31
81	Improving Logic Programming in Hopfield Network with Sign Constrained. , 2009, , .		2
82	ENERGY RELAXATION FOR HOPFIELD NETWORK WITH THE NEW LEARNING RULE. , 2009, , .		4
83	Learning in the Recurrent Hopfield Network. , 2008, , .		8
84	Applying Different Learning Rules in Neuro-Symbolic Integration. Advanced Materials Research, 0, 433-440, 716-720.	0.3	0
85	Explicit Solutions of Fuzzy Time Fractional Diffusion Equations in Double Parametric Form of Fuzzy Number. SSRN Electronic Journal, 0, , .	0.4	0
86	Reverse analysis in higher order Hopfield network for higher order Horn clauses. Applied Mathematical Sciences, 0, 8, 601-612.	0.0	6
87	Acceleration technique for neuro symbolic integration. Applied Mathematical Sciences, 0, 9, 409-417.	0.0	4