Ravi Vadlamani

List of Publications by Year in Descending Order

144 papers	3,644 citations	32 h-index	58 g-index
145 ext. papers	4,419 ext. citations	3 avg, IF	6.25 L-index

#	Paper	IF	Citations
144	A Novel BGCapsule Network for Text Classification. *SN Computer Science*, **2022**, 3, 1	2	3
143	Hybrid Evolutionary Computing-based Association Rule Mining. *Studies in Computational Intelligence*, **2022**, 223-243	0.8	
142	Optimal prediction intervals for macroeconomic time series using chaos and evolutionary multi-objective optimization algorithms. *Swarm and Evolutionary Computation*, **2022**, 71, 101070	9.8	0
141	Anomaly Detection Using Modified Differential Evolution: An Application to Banking and Insurance. *Advances in Intelligent Systems and Computing*, **2021**, 102-111	0.4	
140	Field Extraction and Logo Recognition on Indian Bank Cheques Using Convolution Neural Networks. *Advances in Intelligent Systems and Computing*, **2021**, 277-288	0.4	1
139	Evolutionary Multi-Objective Optimization Algorithm for Community Detection in Complex Social Networks. *SN Computer Science*, **2021**, 2, 1	2	13
138	Diabetic Retinopathy Detection Using Transfer Learning and Deep Learning. *Advances in Intelligent Systems and Computing*, **2021**, 679-689	0.4	24
137	Intelligent Character Recognition with Shared Features from Resnet. *Studies in Computational Intelligence*, **2021**, 277-287	0.8	
136	Face Recognition Using Transfer Learning on Facenet: Application to Banking Operations. *Studies in Computational Intelligence*, **2021**, 301-309	0.8	0
135	Opinion Mining-Based Conjoint Analysis of Consumer Brands. *Smart Innovation, Systems and Technologies*, **2021**, 227-239	0.5	
134	Deep Learning Chatbot with Feedback. *Studies in Computational Intelligence*, **2021**, 311-318	0.8	
133	Chatbot via Machine Learning and Deep Learning Hybrid. *Studies in Computational Intelligence*, **2021**, 255-265	0.8	
132	EGRNN++ and PNN++ : Parallel and Distributed Neural Networks for Big Data Regression and Classification. *SN Computer Science*, **2021**, 2, 1	2	1
131	High utility itemset mining using binary differential evolution: An application to customer segmentation. *Expert Systems With Applications*, **2021**, 181, 115122	7.8	4
130	Predicting Indian Stock Market Using the Psycho-Linguistic Features of Financial News. *Annals of Data Science*, **2020**, 8, 517	1.6	4
129	A review of deep learning with special emphasis on architectures, applications and recent trends. *Knowledge-Based Systems*, **2020**, 194, 105596	7.3	92
128	Word2Vec and Evolutionary Computing Driven Hybrid Deep Learning-Based Sentiment Analysis. *Advances in Intelligent Systems and Computing*, **2020**, 1-16	0.4	

127	Auto Associative Extreme Learning Machine Based Hybrids for Data Imputation **2020**, 867-893		
126	GRNN++: A Parallel and Distributed Version of GRNN Under Apache Spark for Big Data Regression. *Advances in Intelligent Systems and Computing*, **2020**, 215-227	0.4	3
125	Clustering Bank Customer Complaints on Social Media for Analytical CRM via Multi-objective Particle Swarm Optimization. *Studies in Computational Intelligence*, **2020**, 213-239	0.8	2
124	Mining top high utility association rules using Binary Differential Evolution. *Engineering Applications of Artificial Intelligence*, **2020**, 96, 103935	7.2	9
123	Differential Evolution Trained Fuzzy Cognitive Map: An Application to Modeling Efficiency in Banking. *Advances in Intelligent Systems and Computing*, **2020**, 1-11	0.4	
122	Hybrid Evolutionary Algorithm for Optimizing Reliability of Complex Systems. *Advances in Intelligent Systems and Computing*, **2020**, 108-119	0.4	
121	MapReduce-based fuzzy very fast decision tree for constructing prediction intervals. *International Journal of Big Data Intelligence*, **2019**, 6, 234	0.8	2
120	WiP: Generative Adversarial Network for Oversampling Data in Credit Card Fraud Detection. *Lecture Notes in Computer Science*, **2019**, 123-134	0.9	2
119	Keystroke based User Authentication using Modified Differential Evolution **2019**,		1
118	Evolutionary Computing Applied to Solve Some Operational Issues in Banks. *Management and Industrial Engineering*, **2019**, 31-53	0.2	1
117	Online Clustering Based Concept Lattice Reduction. *Advances in Intelligent Systems and Computing*, **2018**, 698-708	0.4	
116	Analytics in/for cloud-an interdependence: A review. *Journal of Network and Computer Applications*, **2018**, 102, 17-37	7.9	8
115	Sentiment analysis via Doc2Vec and Convolutional Neural Network hybrids **2018**,		1
114	Quantile Regression Random Forest Hybrids Based Data Imputation **2018**,		1
113	Sentiment Classification Using Paragraph Vector and Cognitive Big Data Semantics on Apache Spark **2018**,		1
112	Irony Detection Using Neural Network Language Model, Psycholinguistic Features and Text Mining **2018**,		4
111	Key generation for plain text in stream cipher via bi-objective evolutionary computing. *Applied Soft Computing Journal*, **2018**, 70, 301-317	7.5	5
110	Soft computing hybrids for FOREX rate prediction: A comprehensive review. *Computers and Operations Research*, **2018**, 99, 262-284	4.6	35

109	Forecasting financial time series volatility using Particle Swarm Optimization trained Quantile Regression Neural Network. *Applied Soft Computing Journal*, **2017**, 58, 35-52	7.5	93
108	Financial time series prediction using hybrids of chaos theory, multi-layer perceptron and multi-objective evolutionary algorithms. *Swarm and Evolutionary Computation*, **2017**, 36, 136-149	9.8	61
107	Fuzzy formal concept analysis based opinion mining for CRM in financial services. *Applied Soft Computing Journal*, **2017**, 60, 786-807	7.5	32
106	Text Document Classification with PCA and One-Class SVM. *Advances in Intelligent Systems and Computing*, **2017**, 107-115	0.4	6
105	A novel automatic satire and irony detection using ensembled feature selection and data mining. *Knowledge-Based Systems*, **2017**, 120, 15-33	7.3	22
104	Prediction Intervals via Support Vector-quantile Regression Random Forest Hybrid **2017**,		2
103	Ranking of branded products using aspect-oriented sentiment analysis and ensembled multiple criteria decision-making. *International Journal of Knowledge Management in Tourism and Hospitality*, **2017**, 1, 317	0	5
102	Big Data Analytics Enabled Smart Financial Services: Opportunities and Challenges. *Lecture Notes in Computer Science*, **2017**, 15-39	0.9	12
101	Parallel Evolving Clustering Method for Big Data Analytics Using Apache Spark: Applications to Banking and Physics. *Lecture Notes in Computer Science*, **2017**, 278-292	0.9	2
100	Auto Associative Extreme Learning Machine Based Hybrids for Data Imputation. *Advances in Business Information Systems and Analytics Book Series*, **2017**, 75-99	0.4	
99	Fuzzy Multi-Objective Association Rule Mining Using Evolutionary Computation. *Advances in Business Information Systems and Analytics Book Series*, **2017**, 119-148	0.4	
98	Modified Harmony Search Applied to Reliability Optimization of Complex Systems. *Advances in Intelligent Systems and Computing*, **2016**, 169-180	0.4	4
97	Probabilistic neural network based categorical data imputation. *Neurocomputing*, **2016**, 218, 17-25	5.4	34
96	A novel deep learning architecture for sentiment classification **2016**,		10
95	Particle Swarm Optimization Trained Class Association Rule Mining **2016**,		4
94	Credit Card Fraud Detection using Big Data Analytics **2016**,		26
93	Evolutionary computing applied to customer relationship management: A survey. *Engineering Applications of Artificial Intelligence*, **2016**, 56, 30-59	7.2	34
92	A survey of the applications of text mining in financial domain. *Knowledge-Based Systems*, **2016**, 114, 128-147	7.3	115

91	Data imputation via evolutionary computation, clustering and a neural network. *Neurocomputing*, **2015**, 156, 134-142	5.4	44
90	Counter propagation auto-associative neural network based data imputation. *Information Sciences*, **2015**, 325, 288-299	7.7	18
89	A survey on opinion mining and sentiment analysis: Tasks, approaches and applications. *Knowledge-Based Systems*, **2015**, 89, 14-46	7.3	619
88	Fraud Detection in Financial Statements Using Evolutionary Computation Based Rule Miners. *Lecture Notes in Computer Science*, **2015**, 239-250	0.9	1
87	Malware detection via API calls, topic models and machine learning **2015**,		11
86	Privacy Preserving Data Mining Using General Regression Auto-Associative Neural Network: Application to Regression Problems. *Lecture Notes in Computer Science*, **2015**, 618-624	0.9	
85	Online and semi-online sentiment classification **2015**,		6
84	Text Classification Using Ensemble Features Selection and Data Mining Techniques. *Lecture Notes in Computer Science*, **2015**, 176-186	0.9	2
83	A novel hybrid undersampling method for mining unbalanced datasets in banking and insurance. *Engineering Applications of Artificial Intelligence*, **2015**, 37, 368-377	7.2	68
82	Fuzzy association rule mining using binary particle swarm optimization: Application to cyber fraud analytics **2015**,		2
81	Sentiment analysis applied to Educational Sector **2015**,		4
80	One-class support vector machine based undersampling: Application to churn prediction and insurance fraud detection **2015**,		14
79	Elitist Quantum-Inspired Differential Evolution Based Wrapper for Feature Subset Selection. *Lecture Notes in Computer Science*, **2015**, 113-124	0.9	2
78	Improving retail banking loans recovery via data mining techniques: a case study from Indian market. *International Journal of Electronic Customer Relationship Management*, **2015**, 9, 189	1.1	1
77	Multi objective constrained optimisation of data envelopment analysis by differential evolution. *International Journal of Information and Decision Sciences*, **2015**, 7, 334	0.8	6
76	A Novel Hybrid Algorithm for Discovering Motifs from Financial Time Series. *Lecture Notes in Computer Science*, **2015**, 201-211	0.9	1
75	Principal Component Analysis and General Regression Auto Associative Neural Network Hybrid as One-Class Classifier. *Lecture Notes in Computer Science*, **2015**, 164-175	0.9	
74	Churn prediction using comprehensible support vector machine: An analytical CRM application. *Applied Soft Computing Journal*, **2014**, 19, 31-40	7.5	88

No.	Title	IF	Cites
73	A new online data imputation method based on general regression auto associative neural network. *Neurocomputing*, **2014**, 138, 106-113	5.4	40
72	Cash demand forecasting in ATMs by clustering and neural networks. *European Journal of Operational Research*, **2014**, 232, 383-392	5.6	53
71	FOREX Rate Prediction Using Chaos, Neural Network and Particle Swarm Optimization. *Lecture Notes in Computer Science*, **2014**, 363-375	0.9	4
70	Chaotic time series analysis with neural networks to forecast cash demand in ATMs **2014**,		5
69	**2014**,		3
68	Evolving clustering based data imputation **2014**,		9
67	Machine Learning Techniques to Predict Software Defect **2014**, 1422-1434		1
66	Support Vector Quantile Regression Random Forest Hybrid for Regression Problems. *Lecture Notes in Computer Science*, **2014**, 149-160	0.9	2
65	Association Rule Mining via Evolutionary Multi-objective Optimization. *Lecture Notes in Computer Science*, **2014**, 35-46	0.9	6
64	Watermarking Using Artificial Intelligence Techniques **2014**, 2665-2674		
63	Hybrid classification and regression models via particle swarm optimization auto associative neural network based nonlinear PCA. *International Journal of Hybrid Intelligent Systems*, **2013**, 10, 137-149	0.9	11
62	Association rule mining using binary particle swarm optimization. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 1832-1840	7.2	78
61	Particle swarm optimization and covariance matrix based data imputation **2013**,		7
60	Application of intelligent techniques for classification of bacteria using protein sequence-derived features. *Applied Biochemistry and Biotechnology*, **2013**, 170, 1263-81	3.2	6
59	Hybrid intelligent systems for predicting software reliability. *Applied Soft Computing Journal*, **2013**, 13, 189-200	7.5	39
58	Keratin protein property based classification of mammals and non-mammals using machine learning techniques. *Computers in Biology and Medicine*, **2013**, 43, 889-99	7	6
57	Data Mining using Advanced Ant Colony Optimization Algorithm and Application to Bankruptcy Prediction. *International Journal of Information Systems and Social Change*, **2013**, 4, 33-56	0.4	17
56	Differential evolution trained kernel principal component WNN and kernel binary quantile regression: Application to banking. *Knowledge-Based Systems*, **2013**, 39, 45-56	7.3	15

55	Malware detection by text and data mining **2013**,		6
54	An ant colony optimisation and Nelder-Mead simplex hybrid algorithm for training neural networks: an application to bankruptcy prediction in banks. *International Journal of Information and Decision Sciences*, **2013**, 5, 188	0.8	13
53	A PARTICLE SWARM OPTIMIZATION-THRESHOLD ACCEPTING HYBRID ALGORITHM FOR UNCONSTRAINED OPTIMIZATION. *Neural Network World*, **2013**, 23, 191-222	2.9	5
52	A Computational Intelligence Based Online Data Imputation Method: An Application For Banking. *Journal of Information Processing Systems*, **2013**, 9, 633-650		17
51	Text and Data Mining to Detect Phishing Websites and Spam Emails. *Lecture Notes in Computer Science*, **2013**, 559-573	0.9	8
50	Soft computing based imputation and hybrid data and text mining: The case of predicting the severity of phishing alerts. *Expert Systems With Applications*, **2012**, 39, 10583-10589	7.8	50
49	Detecting phishing e-mails using text and data mining **2012**,		14
48	Kernel Group Method of Data Handling: Application to Regression Problems. *Lecture Notes in Computer Science*, **2012**, 74-81	0.9	3
47	Particle Swarm Optimization Trained Auto Associative Neural Networks Used as Single Class Classifier. *Lecture Notes in Computer Science*, **2012**, 577-584	0.9	4
46	Privacy preserving data mining using particle swarm optimisation trained auto-associative neural network: an application to bankruptcy prediction in banks. *International Journal of Data Mining, Modelling and Management*, **2012**, 4, 39	0.2	8
45	Rule Extraction from DEWNN to Solve Classification and Regression Problems. *Lecture Notes in Computer Science*, **2012**, 206-214	0.9	2
44	Rule extraction from support vector machines: a hybrid approach for solving classification and regression problems. *International Journal of Information and Decision Sciences*, **2011**, 3, 265	0.8	1
43	Bacterial foraging trained wavelet neural networks: application to bankruptcy prediction in banks. *International Journal of Data Analysis Techniques and Strategies*, **2011**, 3, 261	0.5	5
42	Detection of financial statement fraud and feature selection using data mining techniques. *Decision Support Systems*, **2011**, 50, 491-500	5.6	224
41	Colon cancer prediction with genetics profiles using evolutionary techniques. *Expert Systems With Applications*, **2011**, 38, 2752-2757	7.8	22
40	A hybrid under-sampling approach for mining unbalanced datasets: applications to banking and insurance. *International Journal of Data Mining, Modelling and Management*, **2011**, 3, 75	0.2	10
39	A Modified Harmony Search Threshold Accepting Hybrid Optimization Algorithm. *Lecture Notes in Computer Science*, **2011**, 298-308	0.9	2
38	Forecasting Using Rules Extracted from Privacy Preservation Neural Network. *Lecture Notes in Computer Science*, **2011**, 248-260	0.9	1

37	Differential evolution and threshold accepting hybrid algorithm for unconstrained optimisation. *International Journal of Bio-Inspired Computation*, **2010**, 2, 169	2.9	8
36	Differential evolution trained radial basis function network: application to bankruptcy prediction in banks. *International Journal of Bio-Inspired Computation*, **2010**, 2, 222	2.9	18
35	Support vector machine and wavelet neural network hybrid: application to bankruptcy prediction in banks. *International Journal of Data Mining, Modelling and Management*, **2010**, 2, 1	0.2	12
34	Non-linear principal component analysis-based hybrid classifiers: an application to bankruptcy prediction in banks. *International Journal of Information and Decision Sciences*, **2010**, 2, 50	0.8	10
33	The application of intelligent and soft-computing techniques to software engineering problems: a review. *International Journal of Information and Decision Sciences*, **2010**, 2, 233	0.8	24
32	Support vector regression based hybrid rule extraction methods for forecasting. *Expert Systems With Applications*, **2010**, 37, 5577-5589	7.8	25
31	Financial distress prediction in banks using Group Method of Data Handling neural network, counter propagation neural network and fuzzy ARTMAP. *Knowledge-Based Systems*, **2010**, 23, 823-831	7.3	54
30	Web-services classification using intelligent techniques. *Expert Systems With Applications*, **2010**, 37, 5484-5490	7.8	69
29	Applications of Intelligent Technologies in Retail Marketing **2010**, 173-187		
28	Feature selection and fuzzy rule-based classifier applied to bankruptcy prediction in banks. *International Journal of Information and Decision Sciences*, **2009**, 1, 343	0.8	14
27	Failure prediction of dotcom companies using hybrid intelligent techniques. *Expert Systems With Applications*, **2009**, 36, 4830-4837	7.8	43
26	Differential evolution trained wavelet neural networks: Application to bankruptcy prediction in banks. *Expert Systems With Applications*, **2009**, 36, 7659-7665	7.8	140
25	Application of fuzzyARTMAP for churn prediction in bank credit cards. *International Journal of Information and Decision Sciences*, **2009**, 1, 428	0.8	11
24	Privacy preservation in data mining using hybrid perturbation methods: an application to bankruptcy prediction in banks. *International Journal of Data Analysis Techniques and Strategies*, **2009**, 1, 313	0.5	15
23	Predicting credit card customer churn in banks using data mining. *International Journal of Data Analysis Techniques and Strategies*, **2008**, 1, 4	0.5	71
22	Indian banksVproductivity ranking via Data Envelopment Analysis and Fuzzy Multi-Attribute Decision-Making hybrid. *International Journal of Information and Decision Sciences*, **2008**, 1, 44	0.8	16
21	Software reliability prediction by soft computing techniques. *Journal of Systems and Software*, **2008**, 81, 576-583	3.3	81
20	Software development cost estimation using wavelet neural networks. *Journal of Systems and Software*, **2008**, 81, 1853-1867	3.3	84

19	Soft computing system for bank performance prediction. *Applied Soft Computing Journal*, **2008**, 8, 305-315	7.5	138
18	Threshold accepting trained principal component neural network and feature subset selection: Application to bankruptcy prediction in banks. *Applied Soft Computing Journal*, **2008**, 8, 1539-1548	7.5	82
17	A Semi-Online Training Algorithm for the Radial Basis Function Neural Networks **2008**, 243-260		5
16	Colon cancer prediction with genetic profiles using intelligent techniques. *Bioinformation*, **2008**, 3, 130-133	1.1	15
15	Introduction to Banking Technology and Management **2008**, 1-15		
14	Bankruptcy Prediction in Banks by an Ensemble Classifier **2006**,		16
13	An improved differential evolution method for efficient parameter estimation in biofilter modeling. *Biochemical Engineering Journal*, **2006**, 28, 167-176	4.2	27
12	OPTIMIZATION OF COMPLEX SYSTEM RELIABILITY BY A MODIFIED GREAT DELUGE ALGORITHM. *Asia-Pacific Journal of Operational Research*, **2004**, 21, 487-497	0.8	35
11	A neural network and fuzzy rule base hybrid for pattern classification. *Soft Computing*, **2001**, 5, 152-159	3.5	13
10	Fuzzy rule base generation for classification and its minimization via modified threshold accepting. *Fuzzy Sets and Systems*, **2001**, 120, 271-279	3.7	17
9	Fuzzy rule based classification with FeatureSelector and modified threshold accepting. *European Journal of Operational Research*, **2000**, 123, 16-28	5.6	47
8	Pattern classification with principal component analysis and fuzzy rule bases. *European Journal of Operational Research*, **2000**, 126, 526-533	5.6	37
7	. *IEEE Transactions on Fuzzy Systems*, **2000**, 8, 241-248	8.3	98
6	Ranking of Indian coals via fuzzy multi attribute decision making. *Fuzzy Sets and Systems*, **1999**, 103, 369-377	3.7	25
5	Application of fuzzy nonlinear goal programming to a refinery model. *Computers and Chemical Engineering*, **1998**, 22, 709-712	4	4
4	Fuzzy linear fractional goal programming applied to refinery operations planning. *Fuzzy Sets and Systems*, **1998**, 96, 173-182	3.7	27
3	Nonequilibrium simulated-annealing algorithm applied to reliability optimization of complex systems. *IEEE Transactions on Reliability*, **1997**, 46, 233-239	4.6	99
2	Data Mining using Advanced Ant Colony Optimization Algorithm and Application to Bankruptcy Prediction 1554-1576		