

# Ravi Vadlamani

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 survey on opinion mining and sentiment analysis: Tasks, approaches and applications. <i>Knowledge-Based Systems</i> , <b>2015</b> , 89, 14-46	7.3	619
143	Detection of financial statement fraud and feature selection using data mining techniques. <i>Decision Support Systems</i> , <b>2011</b> , 50, 491-500	5.6	224
142	Differential evolution trained wavelet neural networks: Application to bankruptcy prediction in banks. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 7659-7665	7.8	140
141	Soft computing system for bank performance prediction. <i>Applied Soft Computing Journal</i> , <b>2008</b> , 8, 305-315	7.5	138
140	A survey of the applications of text mining in financial domain. <i>Knowledge-Based Systems</i> , <b>2016</b> , 114, 128-147	7.3	115
139	Nonequilibrium simulated-annealing algorithm applied to reliability optimization of complex systems. <i>IEEE Transactions on Reliability</i> , <b>1997</b> , 46, 233-239	4.6	99
138	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2000</b> , 8, 241-248	8.3	98
137	Forecasting financial time series volatility using Particle Swarm Optimization trained Quantile Regression Neural Network. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 58, 35-52	7.5	93
136	A review of deep learning with special emphasis on architectures, applications and recent trends. <i>Knowledge-Based Systems</i> , <b>2020</b> , 194, 105596	7.3	92
135	Churn prediction using comprehensible support vector machine: An analytical CRM application. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 19, 31-40	7.5	88
134	Software development cost estimation using wavelet neural networks. <i>Journal of Systems and Software</i> , <b>2008</b> , 81, 1853-1867	3.3	84
133	Threshold accepting trained principal component neural network and feature subset selection: Application to bankruptcy prediction in banks. <i>Applied Soft Computing Journal</i> , <b>2008</b> , 8, 1539-1548	7.5	82
132	Software reliability prediction by soft computing techniques. <i>Journal of Systems and Software</i> , <b>2008</b> , 81, 576-583	3.3	81
131	Association rule mining using binary particle swarm optimization. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 1832-1840	7.2	78
130	Predicting credit card customer churn in banks using data mining. <i>International Journal of Data Analysis Techniques and Strategies</i> , <b>2008</b> , 1, 4	0.5	71
129	Web-services classification using intelligent techniques. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 5484-5490	7.5	69
128	A novel hybrid undersampling method for mining unbalanced datasets in banking and insurance. <i>Engineering Applications of Artificial Intelligence</i> , <b>2015</b> , 37, 368-377	7.2	68

127	Financial time series prediction using hybrids of chaos theory, multi-layer perceptron and multi-objective evolutionary algorithms. <i>Swarm and Evolutionary Computation</i> , <b>2017</b> , 36, 136-149	9.8	61
126	Financial distress prediction in banks using Group Method of Data Handling neural network, counter propagation neural network and fuzzy ARTMAP. <i>Knowledge-Based Systems</i> , <b>2010</b> , 23, 823-831	7.3	54
125	Cash demand forecasting in ATMs by clustering and neural networks. <i>European Journal of Operational Research</i> , <b>2014</b> , 232, 383-392	5.6	53
124	Soft computing based imputation and hybrid data and text mining: The case of predicting the severity of phishing alerts. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 10583-10589	7.8	50
123	Fuzzy rule based classification with FeatureSelector and modified threshold accepting. <i>European Journal of Operational Research</i> , <b>2000</b> , 123, 16-28	5.6	47
122	Data imputation via evolutionary computation, clustering and a neural network. <i>Neurocomputing</i> , <b>2015</b> , 156, 134-142	5.4	44
121	Failure prediction of dotcom companies using hybrid intelligent techniques. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 4830-4837	7.8	43
120	A new online data imputation method based on general regression auto associative neural network. <i>Neurocomputing</i> , <b>2014</b> , 138, 106-113	5.4	40
119	Hybrid intelligent systems for predicting software reliability. <i>Applied Soft Computing Journal</i> , <b>2013</b> , 13, 189-200	7.5	39
118	Pattern classification with principal component analysis and fuzzy rule bases. <i>European Journal of Operational Research</i> , <b>2000</b> , 126, 526-533	5.6	37
117	OPTIMIZATION OF COMPLEX SYSTEM RELIABILITY BY A MODIFIED GREAT DELUGE ALGORITHM. <i>Asia-Pacific Journal of Operational Research</i> , <b>2004</b> , 21, 487-497	0.8	35
116	Soft computing hybrids for FOREX rate prediction: A comprehensive review. <i>Computers and Operations Research</i> , <b>2018</b> , 99, 262-284	4.6	35
115	Probabilistic neural network based categorical data imputation. <i>Neurocomputing</i> , <b>2016</b> , 218, 17-25	5.4	34
114	Evolutionary computing applied to customer relationship management: A survey. <i>Engineering Applications of Artificial Intelligence</i> , <b>2016</b> , 56, 30-59	7.2	34
113	Fuzzy formal concept analysis based opinion mining for CRM in financial services. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 60, 786-807	7.5	32
112	Fuzzy linear fractional goal programming applied to refinery operations planning. <i>Fuzzy Sets and Systems</i> , <b>1998</b> , 96, 173-182	3.7	27
111	An improved differential evolution method for efficient parameter estimation in biofilter modeling. <i>Biochemical Engineering Journal</i> , <b>2006</b> , 28, 167-176	4.2	27
110	Credit Card Fraud Detection using Big Data Analytics <b>2016</b> ,		26

109	Support vector regression based hybrid rule extraction methods for forecasting. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 5577-5589	7.8	25
108	Ranking of Indian coals via fuzzy multi attribute decision making. <i>Fuzzy Sets and Systems</i> , <b>1999</b> , 103, 369-377	3.7	25
107	The application of intelligent and soft-computing techniques to software engineering problems: a review. <i>International Journal of Information and Decision Sciences</i> , <b>2010</b> , 2, 233	0.8	24
106	Diabetic Retinopathy Detection Using Transfer Learning and Deep Learning. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 679-689	0.4	24
105	A novel automatic satire and irony detection using ensembled feature selection and data mining. <i>Knowledge-Based Systems</i> , <b>2017</b> , 120, 15-33	7.3	22
104	Colon cancer prediction with genetics profiles using evolutionary techniques. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 2752-2757	7.8	22
103	Counter propagation auto-associative neural network based data imputation. <i>Information Sciences</i> , <b>2015</b> , 325, 288-299	7.7	18
102	Differential evolution trained radial basis function network: application to bankruptcy prediction in banks. <i>International Journal of Bio-Inspired Computation</i> , <b>2010</b> , 2, 222	2.9	18
101	Data Mining using Advanced Ant Colony Optimization Algorithm and Application to Bankruptcy Prediction. <i>International Journal of Information Systems and Social Change</i> , <b>2013</b> , 4, 33-56	0.4	17
100	Fuzzy rule base generation for classification and its minimization via modified threshold accepting. <i>Fuzzy Sets and Systems</i> , <b>2001</b> , 120, 271-279	3.7	17
99	A Computational Intelligence Based Online Data Imputation Method: An Application For Banking. <i>Journal of Information Processing Systems</i> , <b>2013</b> , 9, 633-650		17
98	Indian banks\productivity ranking via Data Envelopment Analysis and Fuzzy Multi-Attribute Decision-Making hybrid. <i>International Journal of Information and Decision Sciences</i> , <b>2008</b> , 1, 44	0.8	16
97	Bankruptcy Prediction in Banks by an Ensemble Classifier <b>2006</b> ,		16
96	Differential evolution trained kernel principal component WNN and kernel binary quantile regression: Application to banking. <i>Knowledge-Based Systems</i> , <b>2013</b> , 39, 45-56	7.3	15
95	Privacy preservation in data mining using hybrid perturbation methods: an application to bankruptcy prediction in banks. <i>International Journal of Data Analysis Techniques and Strategies</i> , <b>2009</b> , 1, 313	0.5	15
94	Colon cancer prediction with genetic profiles using intelligent techniques. <i>Bioinformatics</i> , <b>2008</b> , 3, 130-311	1.1	15
93	One-class support vector machine based undersampling: Application to churn prediction and insurance fraud detection <b>2015</b> ,		14
92	Detecting phishing e-mails using text and data mining <b>2012</b> ,		14

91	Feature selection and fuzzy rule-based classifier applied to bankruptcy prediction in banks. <i>International Journal of Information and Decision Sciences</i> , <b>2009</b> , 1, 343	0.8	14
90	An ant colony optimisation and Nelder-Mead simplex hybrid algorithm for training neural networks: an application to bankruptcy prediction in banks. <i>International Journal of Information and Decision Sciences</i> , <b>2013</b> , 5, 188	0.8	13
89	A neural network and fuzzy rule base hybrid for pattern classification. <i>Soft Computing</i> , <b>2001</b> , 5, 152-159	3.5	13
88	Evolutionary Multi-Objective Optimization Algorithm for Community Detection in Complex Social Networks. <i>SN Computer Science</i> , <b>2021</b> , 2, 1	2	13
87	Big Data Analytics Enabled Smart Financial Services: Opportunities and Challenges. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 15-39	0.9	12
86	Support vector machine and wavelet neural network hybrid: application to bankruptcy prediction in banks. <i>International Journal of Data Mining, Modelling and Management</i> , <b>2010</b> , 2, 1	0.2	12
85	Malware detection via API calls, topic models and machine learning <b>2015</b> ,		11
84	Hybrid classification and regression models via particle swarm optimization auto associative neural network based nonlinear PCA. <i>International Journal of Hybrid Intelligent Systems</i> , <b>2013</b> , 10, 137-149	0.9	11
83	Application of fuzzyARTMAP for churn prediction in bank credit cards. <i>International Journal of Information and Decision Sciences</i> , <b>2009</b> , 1, 428	0.8	11
82	A novel deep learning architecture for sentiment classification <b>2016</b> ,		10
81	A hybrid under-sampling approach for mining unbalanced datasets: applications to banking and insurance. <i>International Journal of Data Mining, Modelling and Management</i> , <b>2011</b> , 3, 75	0.2	10
80	Non-linear principal component analysis-based hybrid classifiers: an application to bankruptcy prediction in banks. <i>International Journal of Information and Decision Sciences</i> , <b>2010</b> , 2, 50	0.8	10
79	Evolving clustering based data imputation <b>2014</b> ,		9
78	Mining top high utility association rules using Binary Differential Evolution. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 96, 103935	7.2	9
77	Privacy preserving data mining using particle swarm optimisation trained auto-associative neural network: an application to bankruptcy prediction in banks. <i>International Journal of Data Mining, Modelling and Management</i> , <b>2012</b> , 4, 39	0.2	8
76	Differential evolution and threshold accepting hybrid algorithm for unconstrained optimisation. <i>International Journal of Bio-Inspired Computation</i> , <b>2010</b> , 2, 169	2.9	8
75	Text and Data Mining to Detect Phishing Websites and Spam Emails. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 559-573	0.9	8
74	Analytics in/for cloud-an interdependence: A review. <i>Journal of Network and Computer Applications</i> , <b>2018</b> , 102, 17-37	7.9	8

73	Particle swarm optimization and covariance matrix based data imputation <b>2013</b> ,		7
72	Text Document Classification with PCA and One-Class SVM. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 107-115	0.4	6
71	Online and semi-online sentiment classification <b>2015</b> ,		6
70	Application of intelligent techniques for classification of bacteria using protein sequence-derived features. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 170, 1263-81	3.2	6
69	Keratin protein property based classification of mammals and non-mammals using machine learning techniques. <i>Computers in Biology and Medicine</i> , <b>2013</b> , 43, 889-99	7	6
68	Multi objective constrained optimisation of data envelopment analysis by differential evolution. <i>International Journal of Information and Decision Sciences</i> , <b>2015</b> , 7, 334	0.8	6
67	Malware detection by text and data mining <b>2013</b> ,		6
66	Association Rule Mining via Evolutionary Multi-objective Optimization. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 35-46	0.9	6
65	Ranking of branded products using aspect-oriented sentiment analysis and ensembled multiple criteria decision-making. <i>International Journal of Knowledge Management in Tourism and Hospitality</i> , <b>2017</b> , 1, 317	0	5
64	Chaotic time series analysis with neural networks to forecast cash demand in ATMs <b>2014</b> ,		5
63	Bacterial foraging trained wavelet neural networks: application to bankruptcy prediction in banks. <i>International Journal of Data Analysis Techniques and Strategies</i> , <b>2011</b> , 3, 261	0.5	5
62	A PARTICLE SWARM OPTIMIZATION-THRESHOLD ACCEPTING HYBRID ALGORITHM FOR UNCONSTRAINED OPTIMIZATION. <i>Neural Network World</i> , <b>2013</b> , 23, 191-222	2.9	5
61	A Semi-Online Training Algorithm for the Radial Basis Function Neural Networks <b>2008</b> , 243-260		5
60	Key generation for plain text in stream cipher via bi-objective evolutionary computing. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 70, 301-317	7.5	5
59	Modified Harmony Search Applied to Reliability Optimization of Complex Systems. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 169-180	0.4	4
58	Predicting Indian Stock Market Using the Psycho-Linguistic Features of Financial News. <i>Annals of Data Science</i> , <b>2020</b> , 8, 517	1.6	4
57	Particle Swarm Optimization Trained Class Association Rule Mining <b>2016</b> ,		4
56	Sentiment analysis applied to Educational Sector <b>2015</b> ,		4

55	FOREX Rate Prediction Using Chaos, Neural Network and Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 363-375	0.9	4
54	Particle Swarm Optimization Trained Auto Associative Neural Networks Used as Single Class Classifier. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 577-584	0.9	4
53	Application of fuzzy nonlinear goal programming to a refinery model. <i>Computers and Chemical Engineering</i> , <b>1998</b> , 22, 709-712	4	4
52	Irony Detection Using Neural Network Language Model, Psycholinguistic Features and Text Mining <b>2018</b> ,		4
51	High utility itemset mining using binary differential evolution: An application to customer segmentation. <i>Expert Systems With Applications</i> , <b>2021</b> , 181, 115122	7.8	4
50	<b>2014</b> ,		3
49	Kernel Group Method of Data Handling: Application to Regression Problems. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 74-81	0.9	3
48	A Novel BGCapsule Network for Text Classification. <i>SN Computer Science</i> , <b>2022</b> , 3, 1	2	3
47	GRNN++: A Parallel and Distributed Version of GRNN Under Apache Spark for Big Data Regression. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 215-227	0.4	3
46	Text Classification Using Ensemble Features Selection and Data Mining Techniques. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 176-186	0.9	2
45	Prediction Intervals via Support Vector-quantile Regression Random Forest Hybrid <b>2017</b> ,		2
44	Parallel Evolving Clustering Method for Big Data Analytics Using Apache Spark: Applications to Banking and Physics. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 278-292	0.9	2
43	Fuzzy association rule mining using binary particle swarm optimization: Application to cyber fraud analytics <b>2015</b> ,		2
42	Elitist Quantum-Inspired Differential Evolution Based Wrapper for Feature Subset Selection. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 113-124	0.9	2
41	A Modified Harmony Search Threshold Accepting Hybrid Optimization Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 298-308	0.9	2
40	MapReduce-based fuzzy very fast decision tree for constructing prediction intervals. <i>International Journal of Big Data Intelligence</i> , <b>2019</b> , 6, 234	0.8	2
39	WiP: Generative Adversarial Network for Oversampling Data in Credit Card Fraud Detection. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 123-134	0.9	2
38	Support VectorQuantile Regression Random Forest Hybrid for Regression Problems. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 149-160	0.9	2

37	Rule Extraction from DEWNN to Solve Classification and Regression Problems. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 206-214	0.9	2
36	Clustering Bank Customer Complaints on Social Media for Analytical CRM via Multi-objective Particle Swarm Optimization. <i>Studies in Computational Intelligence</i> , <b>2020</b> , 213-239	0.8	2
35	Fraud Detection in Financial Statements Using Evolutionary Computation Based Rule Miners. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 239-250	0.9	1
34	Improving retail banking loans recovery via data mining techniques: a case study from Indian market. <i>International Journal of Electronic Customer Relationship Management</i> , <b>2015</b> , 9, 189	1.1	1
33	Rule extraction from support vector machines: a hybrid approach for solving classification and regression problems. <i>International Journal of Information and Decision Sciences</i> , <b>2011</b> , 3, 265	0.8	1
32	Machine Learning Techniques to Predict Software Defect <b>2014</b> , 1422-1434		1
31	Introduction to Modern Banking Technology and Management. <i>Advances in Electronic Commerce Series</i> , 132-148	0.2	1
30	A Novel Hybrid Algorithm for Discovering Motifs from Financial Time Series. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 201-211	0.9	1
29	Field Extraction and Logo Recognition on Indian Bank Cheques Using Convolution Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 277-288	0.4	1
28	Forecasting Using Rules Extracted from Privacy Preservation Neural Network. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 248-260	0.9	1
27	Keystroke based User Authentication using Modified Differential Evolution <b>2019</b> ,		1
26	Evolutionary Computing Applied to Solve Some Operational Issues in Banks. <i>Management and Industrial Engineering</i> , <b>2019</b> , 31-53	0.2	1
25	EGRNN++ and PNN++ : Parallel and Distributed Neural Networks for Big Data Regression and Classification. <i>SN Computer Science</i> , <b>2021</b> , 2, 1	2	1
24	Sentiment analysis via Doc2Vec and Convolutional Neural Network hybrids <b>2018</b> ,		1
23	Quantile Regression Random Forest Hybrids Based Data Imputation <b>2018</b> ,		1
22	Sentiment Classification Using Paragraph Vector and Cognitive Big Data Semantics on Apache Spark <b>2018</b> ,		1
21	Face Recognition Using Transfer Learning on Facenet: Application to Banking Operations. <i>Studies in Computational Intelligence</i> , <b>2021</b> , 301-309	0.8	0
20	Optimal prediction intervals for macroeconomic time series using chaos and evolutionary multi-objective optimization algorithms. <i>Swarm and Evolutionary Computation</i> , <b>2022</b> , 71, 101070	9.8	0



19	Privacy Preserving Data Mining Using General Regression Auto-Associative Neural Network: Application to Regression Problems. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 618-624	0.9
18	Online Clustering Based Concept Lattice Reduction. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 698-708	0.4
17	Word2Vec and Evolutionary Computing Driven Hybrid Deep Learning-Based Sentiment Analysis. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 1-16	0.4
16	Auto Associative Extreme Learning Machine Based Hybrids for Data Imputation <b>2020</b> , 867-893	
15	Data Mining using Advanced Ant Colony Optimization Algorithm and Application to Bankruptcy Prediction1554-1576	
14	Introduction to Banking Technology and Management <b>2008</b> , 1-15	
13	Anomaly Detection Using Modified Differential Evolution: An Application to Banking and Insurance. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 102-111	0.4
12	Hybrid Evolutionary Computing-based Association Rule Mining. <i>Studies in Computational Intelligence</i> , <b>2022</b> , 223-243	0.8
11	Principal Component Analysis and General Regression Auto Associative Neural Network Hybrid as One-Class Classifier. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 164-175	0.9
10	Auto Associative Extreme Learning Machine Based Hybrids for Data Imputation. <i>Advances in Business Information Systems and Analytics Book Series</i> , <b>2017</b> , 75-99	0.4
9	Fuzzy Multi-Objective Association Rule Mining Using Evolutionary Computation. <i>Advances in Business Information Systems and Analytics Book Series</i> , <b>2017</b> , 119-148	0.4
8	Applications of Intelligent Technologies in Retail Marketing <b>2010</b> , 173-187	
7	Watermarking Using Artificial Intelligence Techniques <b>2014</b> , 2665-2674	
6	Differential Evolution Trained Fuzzy Cognitive Map: An Application to Modeling Efficiency in Banking. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 1-11	0.4
5	Hybrid Evolutionary Algorithm for Optimizing Reliability of Complex Systems. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 108-119	0.4
4	Intelligent Character Recognition with Shared Features from Resnet. <i>Studies in Computational Intelligence</i> , <b>2021</b> , 277-287	0.8
3	Opinion Mining-Based Conjoint Analysis of Consumer Brands. <i>Smart Innovation, Systems and Technologies</i> , <b>2021</b> , 227-239	0.5
2	Deep Learning Chatbot with Feedback. <i>Studies in Computational Intelligence</i> , <b>2021</b> , 311-318	0.8

1 Chatbot via Machine Learning and Deep Learning Hybrid. *Studies in Computational Intelligence*,  
**2021**, 255-265

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