Richard Weber

List of Publications by Year
in descending order

74	3,120	186265	161849
papers	citations	28 h-index	54 g-index

82	82	82	2948
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A wrapper method for feature selection using Support Vector Machines. Information Sciences, 2009, 179, 2208-2217.	6.9	359
2	Feature selection for high-dimensional class-imbalanced data sets using Support Vector Machines. Information Sciences, 2014, 286, 228-246.	6.9	242
3	Improved supply chain management based on hybrid demand forecasts. Applied Soft Computing Journal, 2007, 7, 136-144.	7.2	234
4	Fifty years of Information Sciences: A bibliometric overview. Information Sciences, 2018, 432, 245-268.	6.9	219
5	Simultaneous feature selection and classification using kernel-penalized support vector machines. Information Sciences, 2011, 181, 115-128.	6.9	209
6	Data Preprocessing and Intelligent Data Analysis. Intelligent Data Analysis, 1997, 1, 3-23.	0.9	182
7	Soft clustering â€“ Fuzzy and rough approaches and their extensions and derivatives. International Journal of Approximate Reasoning, 2013, 54, 307-322.	3.3	152
8	DCC: a framework for dynamic granular clustering. Granular Computing, 2016, 1, 1-11.	8.0	132
9	Development and application of consumer credit scoring models using profit-based classification measures. European Journal of Operational Research, 2014, 238, 505-513.	5.7	127
10	A methodology for dynamic data mining based on fuzzy clustering. Fuzzy Sets and Systems, 2005, 150, 267-284.	2.7	124
11	Credit scoring using three-way decisions with probabilistic rough sets. Information Sciences, 2020, 507, 700-714.	6.9	70
12	Feature selection for Support Vector Machines via Mixed Integer Linear Programming. Information Sciences, 2014, 279, 163-175.	6.9	68
13	Profit-based feature selection using support vector machines â€“ General framework and an application for customer retention. Applied Soft Computing Journal, 2015, 35, 740-748.	7.2	62
14	Planning models for research and development. European Journal of Operational Research, 1990, 48, 175-188.	5.7	59
15	Dynamic rough clustering and its applications. Applied Soft Computing Journal, 2012, 12, 3193-3207.	7.2	51
16	Fifty years of Transportation Research journals: A bibliometric overview. Transportation Research, Part A: Policy and Practice, 2019, 120, 188-223.	4.2	50
17	A model updating strategy for predicting time series with seasonal patterns. Applied Soft Computing Journal, 2010, 10, 276-283.	7.2	47
18	Granting and managing loans for micro-entrepreneurs: New developments and practical experiences. European Journal of Operational Research, 2013, 227, 358-366.	5.7	42

#	Article	IF	Citations
19	Dynamic fuzzy data analysis based on similarity between functions. Fuzzy Sets and Systems, 1999, 105, 81-90.	2.7	36
20	Improving credit scoring by differentiating defaulter behaviour. Journal of the Operational Research Society, 2015, 66, 771-781.	3.4	36
21	Soquimich Uses a System Based on Mixed-Integer Linear Programming and Expert Systems to Improve Customer Service. Interfaces, 2003, 33, 41-52.	1.5	34
22	Latent semantic analysis and keyword extraction for phishing classification. , 2010, , .		34
23	Fuzzy data analysis â€" Methods and industrial applications. Fuzzy Sets and Systems, 1994, 61, 19-28.	2.7	33
24	Advanced conjoint analysis using feature selection via support vector machines. European Journal of Operational Research, 2015, 241, 564-574.	5.7	33
25	A methodology for web usage mining and its application to target group identification. Fuzzy Sets and Systems, 2004, 148, 139-152.	2.7	32
26	Evolutionary Rough k-Medoid Clustering. Transactions on Rough Sets, 2008, , 289-306.	1.1	32
27	A Roughâ€"Fuzzy approach for Support Vector Clustering. Information Sciences, 2016, 339, 353-368.	6.9	32
28	Kernel Penalized K-means: A feature selection method based on Kernel K-means. Information Sciences, 2015, 322, 150-160.	6.9	31
29	Automatic fault detection in gearboxes by dynamic fuzzy data analysis. Fuzzy Sets and Systems, 1999, 105, 123-132.	2.7	22
30	Special issue on soft computing for dynamic data mining. Applied Soft Computing Journal, 2008, 8, 1281-1282.	7.2	19
31	Online phishing classification using adversarial data mining and signaling games. , 2009, , .		19
32	A study on the ability of Support Vector Regression and Neural Networks to Forecast Basic Time Series Patterns. , 2006, , 149-158.		19
33	Generating crime data using agent-based simulation. Computers, Environment and Urban Systems, 2013, 42, 26-41.	7.1	17
34	A Forecasting Methodology Using Support Vector Regression and Dynamic Feature Selection. Journal of Information and Knowledge Management, 2006, 05, 329-335.	1.1	16
35	A Sequential Hybrid Forecasting System for Demand Prediction. Lecture Notes in Computer Science, 2007, , 518-532.	1.3	14
36	Using Self Organizing Feature Maps to Acquire Knowledge about Visitor Behavior in a Web Site. Lecture Notes in Computer Science, 2003, , 951-958.	1.3	13

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37	Dynamic Rough-Fuzzy Support Vector Clustering. IEEE Transactions on Fuzzy Systems, 2017, 25, 1508-1521.	9.8	12
38	Feature selection for support vector regression via Kernel penalization. , 2010, , .		10
39	A hybrid forecasting methodology using feature selection and support vector regression. , 2005, , .		9
40	A Hybrid System for Probability Estimation in Multiclass Problems Combining SVMs and Neural Networks. , 2008, , .		9
41	Dynamic clustering with soft computing. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2012, 2, 226-236.	6.8	9
42	Editorial of the special issue data analysis and intelligent optimization with applications. Machine Learning, 2015, 101, 1-4.	5.4	8
43	Linear Penalization Support Vector Machines for Feature Selection. Lecture Notes in Computer Science, 2005, , 188-192.	1.3	8
44	Acquiring knowledge about user's preferences in a Web site. , 2003, , .		7
45	Future trends in business analytics and optimization. Intelligent Data Analysis, 2011, 15, 1001-1017.	0.9	7
46	Overlapping Community Detection in Static and Dynamic Social Networks. , 2019, , .		7
47	A novel approach to detect associations in criminal networks. Decision Support Systems, 2020, 128, 113159.	5.9	7
48	Adversarial classification using signaling games with an application to phishing detection. Data Mining and Knowledge Discovery, 2017, 31, 92-133.	3.7	6
49	Quality Control and Maintenance. The Handbooks of Fuzzy Sets Series, 1999, , 161-184.	0.5	6
50	Acquisition and Maintenance of Knowledge for Online Navigation Suggestions. IEICE Transactions on Information and Systems, 2005, E88-D, 993-1003.	0.7	5
51	Intelligent cluster algorithms for changing data structures. International Journal of Intelligent Defence Support Systems, 2009, 2, 105.	0.1	4
52	Uncertainty modeling in dynamic clustering — A soft computing perspective. , 2010, , .		4
53	Online phishing classification using adversarial data mining and signaling games. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2010, 11, 92-99.	4.0	4
54	A class of dynamic rough partitive algorithms. International Journal of Intelligent Systems, 2011, 26, 540-554.	5.7	4

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55	dynXcube â€“ Categorizing dynamic data analysis. Information Sciences, 2018, 463-464, 21-32.	6.9	4
56	Integrating relations and criminal background to identifying key individuals in crime networks. Decision Support Systems, 2020, 139, 113405.	5.9	4
57	Demand analysis and capacity management for hospital emergencies using advanced forecasting models and stochastic simulation. Operations Research Perspectives, 2021, 8, 100208.	2.1	4
58	<title>Quality control of saw blades based on neural networks and laser vibration measurements</title>. , 1996, , .		3
59	A game-theoretical approach for policing decision support. European Journal of Applied Mathematics, 2016, 27, 338-356.	2.9	3
60	Rough Clustering Approaches for Dynamic Environments. Advanced Information and Knowledge Processing, 2012, , 39-50.	0.3	3
61	Dynamic Data Mining. , 2009, , 722-728.		3
62	<title>Identifying web usage behavior of bank customers</title>. , 2002, , .		2
63	Using the KDD process to support Web site reconfigurations. , 0, , .		2
64	Fuzzy Clustering in Dynamic Data Miningâ€“ Techniques and Applications. , 0, , 313-332.		2
65	Metro Uses a Simulation-Optimization Approach to Improve Fare-Collection Shift Scheduling. Interfaces, 2018, 48, 529-542.	1.5	2
66	A Dynamic Approach to Rough Clustering. Lecture Notes in Computer Science, 2008, , 379-388.	1.3	2
67	Special Issue on Business Analytics and Intelligent Optimization. Intelligent Data Analysis, 2014, 18, 1-2.	0.9	1
68	Dynamic Rough-Fuzzy Support Vector Domain Description for Outlier Detection. , 2018, , .		1
69	Modeling Pricing Strategies Using Game Theory and Support Vector Machines. Lecture Notes in Computer Science, 2010, , 323-337.	1.3	1
70	From Operations Research to Dynamic Data Mining and Beyond. , 2014, , 343-356.		1
71	Working group fuzzy sets. Fuzzy Sets and Systems, 1992, 45, 397.	2.7	0
72	Game Theory & Data Mining model for price dynamics in financial institutions. , 2010, , .		0

#	Article	IF	Citations
73	Dynamic Data Mining for Improved Forecasting in Logistics and Supply Chain Management. , 2008, , 57-63.		0
74	An Application of Rough Set Concepts to Workflow Management. , 2008, , 715-722.		0