Steven Walczak

List of Publications by Year
in descending order

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96	2,104	279701	265120
papers	citations	23 h-index	42 g-index

105	105	105	1623
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Empirical Analysis of Data Requirements for Financial Forecasting with Neural Networks. Journal of Management Information Systems, 2001, 17, 203-222.	2.1	171
2	Cognitive engagement with a multimedia ERP training tool: Assessing computer self-efficacy and technology acceptance. Information and Management, 2009, 46, 221-232.	3.6	170
3	Heuristic principles for the design of artificial neural networks. Information and Software Technology, 1999, 41, 107-117.	3.0	145
4	The relationship between website quality, trust and price premiums at online auctions. Electronic Commerce Research, 2010, 10, 1-25.	3.0	133
5	Organizational knowledge management structure. Learning Organization, 2005, 12, 330-339.	0.7	102
6	Nurse Scheduling: From Academia to Implementation or Not?. Interfaces, 2007, 37, 355-369.	1.6	74
7	Adaptive web information extraction. Communications of the ACM, 2006, 49, 78-84.	3.3	63
8	Improving prognosis and reducing decision regret for pancreatic cancer treatment using artificial neural networks. Decision Support Systems, 2018, 106, 110-118.	3.5	59
9	Factors Affecting Transfusion of Fresh Frozen Plasma, Platelets, and Red Blood Cells During Elective Coronary Artery Bypass Graft Surgery. Archives of Pathology and Laboratory Medicine, 2003, 127, 415-423.	1.2	59
10	A decision support tool for allocating hospital bed resources and determining required acuity of care. Decision Support Systems, 2003, 34, 445-456.	3.5	57
11	Knowledge discovery techniques for predicting country investment risk. Computers and Industrial Engineering, 2002, 43, 787-800.	3.4	52
12	Artificial Neural Network Medical Decision Support Tool: Predicting Transfusion Requirements of ER Patients. IEEE Transactions on Information Technology in Biomedicine, 2005, 9, 468-474.	3.6	52
13	Auction Advisor: an agent-based online-auction decision support system. Decision Support Systems, 2006, 41, 449-471.	3.5	52
14	Comparing Semi-Automated Clustering Methods for Persona Development. IEEE Transactions on Software Engineering, 2012, 38, 537-546.	4.3	47
15	Unfriending on Facebook: Friend Request and Online/Offline Behavior Analysis. , 2011, , .		46
16	Cyber Attacks on Healthcare Devices Using Unmanned Aerial Vehicles. Journal of Medical Systems, 2020, 44, 29.	2.2	45
17	Impacts of mobile tablet computing on provider productivity, communications, and the process of care. International Journal of Medical Informatics, 2016, 88, 62-70.	1.6	37
18	Knowledge acquisition and knowledge representation with class: the object-oriented paradigm. Expert Systems With Applications, 1998, 15, 235-244.	4.4	35

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19	An artificial neural network approach to diagnosing epilepsy using lateralized bursts of theta EEGs. , 2001, 25, 9-20.		35
20	A comparative analysis of regression and neural networks for university admissions. Information Sciences, 1999, 119, 1-20.	4.0	33
21	Gaining Competitive Advantage for Trading in Emerging Capital Markets with Neural Networks. Journal of Management Information Systems, 1999, 16, 177-192.	2.1	31
22	Reducing surgical patient costs through use of an artificial neural network to predict transfusion requirements. Decision Support Systems, 2000, 30, 125-138.	3.5	31
23	An Evaluation of Artificial Neural Networks in Predicting Pancreatic Cancer Survival. Journal of Gastrointestinal Surgery, 2017, 21, 1606-1612.	0.9	29
24	Knowledge management and organizational learning. Learning Organization, 2008, 15, 486-494.	0.7	27
25	Prediction of perioperative transfusions using an artificial neural network. PLoS ONE, 2020, 15, e0229450.	1.1	26
26	Universal versus contextual effects on TQM: a triangulation study using neural networks. Production Planning and Control, 2017, 28, 367-386.	5.8	25
27	A multiagent architecture for developing medical information retrieval agents. Journal of Medical Systems, 2003, 27, 479-498.	2.2	24
28	E-commerce Auction Agents and Online-auction Dynamics. Electronic Markets, 2003, 13, 242-250.	4.4	23
29	Exploiting the Information Web. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 109-125.	3.3	23
30	Methodological Triangulation Using Neural Networks for Business Research. Advances in Artificial Neural Systems, 2012, 2012, 1-12.	1.0	20
31	Purposive Sampling on Twitter: A Case Study. , 2012, , .		19
32	Artificial Neural Networks and other AI Applications for Business Management Decision Support. International Journal of Sociotechnology and Knowledge Development, 2016, 8, 1-20.	0.4	17
33	Geography learning in primary school: Comparing face-to-face versus tablet-based instruction methods. Computers and Education, 2018, 117, 188-198.	5.1	17
34	Evaluating Medical Decision Making Heuristics and Other Business Heuristics with Neural Networks. Studies in Computational Intelligence, 2008, , 259-287.	0.7	14
35	Factors Influencing Corporate Online Identity: A New Paradigm. Journal of Theoretical and Applied Electronic Commerce Research, 2009, 4, .	3.1	13
36	The Role of Artificial Intelligence in Clinical Decision Support Systems and a Classification Framework. International Journal of Computers in Clinical Practice, 2018, 3, 31-47.	0.5	11

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37	Predicting Crime and Other Uses of Neural Networks in Police Decision Making. Frontiers in Psychology, 2021, 12, 587943.	1.1	11
38	Modeling online service discontinuation with nonparametric agents. Information Systems and E-Business Management, 2006, 4, 49-70.	2.2	10
39	A Mashup Application to Support Complex Decision Making for Retail Consumers. International Journal of Information Systems in the Service Sector, 2010, 2, 39-56.	0.2	10
40	Neural networks as a tool for developing and validating business heuristics. Expert Systems With Applications, 2001, 21, 31-36.	4.4	9
41	Nonparametric Decision Support Systems in Medical Diagnosis. International Journal of Healthcare Information Systems and Informatics, 2006, 1, 65-82.	1.0	9
42	Predicting pediatric length of stay and acuity of care in the first ten minutes with artificial neural networks. Pediatric Critical Care Medicine, 2000, 1, 42-47.	0.2	8
43	An Artificial Neural Network Classification of Prescription Nonadherence. International Journal of Healthcare Information Systems and Informatics, 2017, 12, 1-13.	1.0	8
44	Patient perceptions of electronic medical records: physician satisfaction, portability, security and quality of care. International Journal of Healthcare Technology and Management, 2011, 12, 62.	0.1	6
45	Personality Type Effects on Perceptions of Online Credit Card Payment. Journal of Theoretical and Applied Electronic Commerce Research, 2016, 11, 5-5.	3.1	6
46	Prophylactic antibiotic bundle compliance and surgical site infections: an artificial neural network analysis. Patient Safety in Surgery, 2019, 13, 41.	1.1	6
47	A Guide for Purposive Sampling on Twitter. Communications of the Association for Information Systems, 0, , 537-559.	0.7	6
48	PATTERN-BASED TACTICAL PLANNING. International Journal of Pattern Recognition and Artificial Intelligence, 1992, 06, 955-988.	0.7	5
49	A quantitative analysis of pattern production and its relationship to expert performance. Journal of Experimental and Theoretical Artificial Intelligence, 1997, 9, 83-101.	1.8	5
50	Clinical Correlate of EEG Rhythmicity. Journal of Clinical Neurophysiology, 2002, 19, 32-36.	0.9	5
51	Utilization and Perceived Benefit for Diverse Users of Communities of Practice in a Healthcare Organization. Journal of Organizational and End User Computing, 2010, 22, 24-50.	1.6	5
52	Patient Perceptions of Electronic Medical Records. , 2010, , .		5
53	MaLang: A Decentralized Deep Learning Approach for Detecting Abusive Textual Content. Applied Sciences (Switzerland), 2021, 11, 8701.	1.3	5
54	Improving opening book performance through modeling of chess opponents. , 1996, , .		4

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55	Redesigning the medical office for improved efficiency: an object-oriented event-driven messaging system. , 2000, 24, 29-37.		4
56	Transfusion Cost Containment for Abdominal Surgery with Neural Networks. Neural Processing Letters, 2000, 11, 229-238.	2.0	4
57	Managing personal medical knowledge: agent-based knowledge acquisition. International Journal of Technology Management, 2009, 47, 22.	0.2	3
58	Consumer Decision Making for Residential Mortgages. , 2012, , .		3
59	Unfriending on Facebook: factors affecting online relationship termination in social networks and its impact on business. International Journal of Business Environment, 2014, 6, 199.	0.2	3
60	Society of Agents. International Journal of Intelligent Information Technologies, 2018, 14, 1-23.	0.5	3
61	Predicting Elective Surgical Patient Outcome Destination Based on the Preoperative Modified Frailty Index and Laboratory Values. Journal of Surgical Research, 2022, 275, 341-351.	0.8	3
62	A centralized methodology for multi-level abstraction in simulation. ACM SIGSIM Simulation Digest, 1988, 19, 25-31.	0.1	2
63	An Evaluation of Artificial Neural Networks in Predicting Pancreatic Cancer Survival. Gastroenterology, 2017, 152, S1248.	0.6	2
64	Artificial neural networks in surgical research. American Journal of Surgery, 2020, 220, 1532-1533.	0.9	2
65	Artificial Neural Networks in Medicine. Advances in Information Quality and Management, 2021, , 1901-1918.	0.3	2
66	Pattern Analysis and Analogy in Shogi: Predicting Shogi Moves from Prior Experience. Knowledge and Information Systems, 2000, 2, 185-200.	2.1	1
67	Information security for agentâ€based WWW medical information retrieval. Logistics Information Management, 2002, 15, 393-399.	0.8	1
68	A Context-Based Computational Model of Language Acquisition by Infants and Children. Foundations of Science, 2002, 7, 393-411.	0.4	1
69	A Comparative Analysis of Professional Forums in the United States Army and Hybrid Communities of Practice in the Civilian Sector. , 2010, , .		1
70	Artificial Neural Networks in Medicine. , 2022, , 1491-1509.		1
71	Predicting Estimated Blood Loss and Transfusions in Gynecologic Surgery Using Artificial Neural Networks. International Journal of Healthcare Information Systems and Informatics, 2021, 16, 1-15.	1.0	1
72	A Mashup Application to Support Complex Decision Making for Retail Consumers. , 2012, , 277-294.		1

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73	Artificial Neural Networks and Other AI Applications for Business Management Decision Support. , 2018, , 2047-2071.		1
74	Analyzing Intraductal Papillary Mucinous Neoplasms Using Artificial Neural Network Methodologic Triangulation. International Journal of Healthcare Information Systems and Informatics, 2019, 14, 21-32.	1.0	1
75	PREDICTING INTENSIVE CARE UNIT LENGTH OF STAY BASED ON DATA UPON ARRIVAL IN THE EMERGENCY ROOM USING A NEURAL NETWORK. Critical Care Medicine, 1998, 26, 68A.	0.4	1
76	A Heuristic Text Analytic Approach for Classifying Research Articles. Intelligent Information Management, 2015, 07, 7-21.	0.3	1
77	Artificial Neural Network Research in Online Social Networks. International Journal of Virtual Communities and Social Networking, 2018, 10, 1-15.	0.2	1
78	Society of Agents. , 2020, , 160-183.		1
79	The Role of Artificial Intelligence in Clinical Decision Support Systems and a Classification Framework. , 2020, , 167-186.		1
80	The impact of ethnic and lingual diversity on short term knowledge sharing. International Journal of Business Environment, 2014, 6, 246.	0.2	0
81	Prophylactic Antibiotic Bundle Compliance Does Not Predict Surgical Site Infection: An Artificial Neural Network. Journal of the American College of Surgeons, 2018, 227, e166-e167.	0.2	0
82	Identification of Preoperative Clinical Factors Associated With Perioperative Blood Transfusions. International Journal of Health Systems and Translational Medicine, 2021, 1, 62-75.	0.2	0
83	First-Time Leaders and Implicit Leadership Theory. Advances in Logistics, Operations, and Management Science Book Series, 2021, , 109-131.	0.3	0
84	Artificial Neural Network Research in Online Social Networks. , 2022, , 68-84.		0
85	Analyzing Intraductal Papillary Mucinous Neoplasms Using Artificial Neural Network Methodologic Triangulation. , 2022, , 867-880.		0
86	Diagnostic Cost Reduction Using Artificial Neural Networks. , 2008, , 108-130.		0
87	eImage: Elements and Effects of Positive Organizational Online Identity. Progress in IS, 2014, , 889-906.	0.5	0
88	PREDICTING ACTIONS FROM INDUCTION ON PAST PERFORMANCE. , 1991, , 275-279.		0
89	A Text Analytic Approach to Classifying Document Types. The Journal of Writing Analytics, 2017, 1, 103-146.	0.6	0
90	In their words: classifying organisational reliability from employee speech. International Journal of Business Environment, 2017, 9, 18.	0.2	0

#	Article	IF	Citations
91	An Artificial Neural Network Classification of Prescription Nonadherence. , 2020, , 487-501.		0
92	The Role of Artificial Intelligence in Clinical Decision Support Systems and a Classification Framework. , 2020, , 390-409.		0
93	Diagnostic Cost Reduction Using Artificial Neural Networks. , 0, , 1812-1830.		0
94	Nonparametric Decision Support Systems in Medical Diagnosis. , 0, , 1483-1500.		0
95	Nonparametric Decision Support Systems in Medical Diagnosis. , 0, , 562-579.		0
96	Predicting Estimated Blood Loss and Transfusions in Gynecologic Surgery Using Artificial Neural Networks. , 2022, , 30-46.		0