

# Steven Walczak

## List of Publications by Year in descending order

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96  
papers

2,104  
citations

279701

23  
h-index

265120

42  
g-index

105  
all docs

105  
docs citations

105  
times ranked

1623  
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Neural Networks in Medicine. , 2022, , 1491-1509.		1
2	Artificial Neural Network Research in Online Social Networks. , 2022, , 68-84.		0
3	Analyzing Intraductal Papillary Mucinous Neoplasms Using Artificial Neural Network Methodologic Triangulation. , 2022, , 867-880.		0
4	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
5	Predicting Estimated Blood Loss and Transfusions in Gynecologic Surgery Using Artificial Neural Networks. , 2022, , 30-46.		0
6	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
7	First-Time Leaders and Implicit Leadership Theory. Advances in Logistics, Operations, and Management Science Book Series, 2021, , 109-131.	0.3	0
8	Artificial Neural Networks in Medicine. Advances in Information Quality and Management, 2021, , 1901-1918.	0.3	2
9	MaLang: A Decentralized Deep Learning Approach for Detecting Abusive Textual Content. Applied Sciences (Switzerland), 2021, 11, 8701.	1.3	5
10	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
11	Predicting Crime and Other Uses of Neural Networks in Police Decision Making. Frontiers in Psychology, 2021, 12, 587943.	1.1	11
12	Cyber Attacks on Healthcare Devices Using Unmanned Aerial Vehicles. Journal of Medical Systems, 2020, 44, 29.	2.2	45
13	Artificial neural networks in surgical research. American Journal of Surgery, 2020, 220, 1532-1533.	0.9	2
14	Prediction of perioperative transfusions using an artificial neural network. PLoS ONE, 2020, 15, e0229450.	1.1	26
15	Society of Agents. , 2020, , 160-183.		1
16	An Artificial Neural Network Classification of Prescription Nonadherence. , 2020, , 487-501.		0
17	The Role of Artificial Intelligence in Clinical Decision Support Systems and a Classification Framework. , 2020, , 390-409.		0
18	The Role of Artificial Intelligence in Clinical Decision Support Systems and a Classification Framework. , 2020, , 167-186.		1

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19	Prophylactic antibiotic bundle compliance and surgical site infections: an artificial neural network analysis. <i>Patient Safety in Surgery</i> , 2019, 13, 41.	1.1	6
20	Analyzing Intraductal Papillary Mucinous Neoplasms Using Artificial Neural Network Methodologic Triangulation. <i>International Journal of Healthcare Information Systems and Informatics</i> , 2019, 14, 21-32.	1.0	1
21	Geography learning in primary school: Comparing face-to-face versus tablet-based instruction methods. <i>Computers and Education</i> , 2018, 117, 188-198.	5.1	17
22	Improving prognosis and reducing decision regret for pancreatic cancer treatment using artificial neural networks. <i>Decision Support Systems</i> , 2018, 106, 110-118.	3.5	59
23	Society of Agents. <i>International Journal of Intelligent Information Technologies</i> , 2018, 14, 1-23.	0.5	3
24	The Role of Artificial Intelligence in Clinical Decision Support Systems and a Classification Framework. <i>International Journal of Computers in Clinical Practice</i> , 2018, 3, 31-47.	0.5	11
25	Prophylactic Antibiotic Bundle Compliance Does Not Predict Surgical Site Infection: An Artificial Neural Network. <i>Journal of the American College of Surgeons</i> , 2018, 227, e166-e167.	0.2	0
26	Artificial Neural Networks and Other AI Applications for Business Management Decision Support. , 2018, , 2047-2071.		1
27	Artificial Neural Network Research in Online Social Networks. <i>International Journal of Virtual Communities and Social Networking</i> , 2018, 10, 1-15.	0.2	1
28	Universal versus contextual effects on TQM: a triangulation study using neural networks. <i>Production Planning and Control</i> , 2017, 28, 367-386.	5.8	25
29	An Evaluation of Artificial Neural Networks in Predicting Pancreatic Cancer Survival. <i>Gastroenterology</i> , 2017, 152, S1248.	0.6	2
30	An Evaluation of Artificial Neural Networks in Predicting Pancreatic Cancer Survival. <i>Journal of Gastrointestinal Surgery</i> , 2017, 21, 1606-1612.	0.9	29
31	An Artificial Neural Network Classification of Prescription Nonadherence. <i>International Journal of Healthcare Information Systems and Informatics</i> , 2017, 12, 1-13.	1.0	8
32	A Text Analytic Approach to Classifying Document Types. <i>The Journal of Writing Analytics</i> , 2017, 1, 103-146.	0.6	0
33	In their words: classifying organisational reliability from employee speech. <i>International Journal of Business Environment</i> , 2017, 9, 18.	0.2	0
34	Personality Type Effects on Perceptions of Online Credit Card Payment. <i>Journal of Theoretical and Applied Electronic Commerce Research</i> , 2016, 11, 5-5.	3.1	6
35	Artificial Neural Networks and other AI Applications for Business Management Decision Support. <i>International Journal of Sociotechnology and Knowledge Development</i> , 2016, 8, 1-20.	0.4	17
36	Impacts of mobile tablet computing on provider productivity, communications, and the process of care. <i>International Journal of Medical Informatics</i> , 2016, 88, 62-70.	1.6	37

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37	A Heuristic Text Analytic Approach for Classifying Research Articles. <i>Intelligent Information Management</i> , 2015, 07, 7-21.	0.3	1
38	The impact of ethnic and lingual diversity on short term knowledge sharing. <i>International Journal of Business Environment</i> , 2014, 6, 246.	0.2	0
39	Unfriending on Facebook: factors affecting online relationship termination in social networks and its impact on business. <i>International Journal of Business Environment</i> , 2014, 6, 199.	0.2	3
40	elmage: Elements and Effects of Positive Organizational Online Identity. <i>Progress in IS</i> , 2014, , 889-906.	0.5	0
41	Comparing Semi-Automated Clustering Methods for Persona Development. <i>IEEE Transactions on Software Engineering</i> , 2012, 38, 537-546.	4.3	47
42	Consumer Decision Making for Residential Mortgages. , 2012, , .		3
43	Purposive Sampling on Twitter: A Case Study. , 2012, , .		19
44	Methodological Triangulation Using Neural Networks for Business Research. <i>Advances in Artificial Neural Systems</i> , 2012, 2012, 1-12.	1.0	20
45	A Mashup Application to Support Complex Decision Making for Retail Consumers. , 2012, , 277-294.		1
46	Patient perceptions of electronic medical records: physician satisfaction, portability, security and quality of care. <i>International Journal of Healthcare Technology and Management</i> , 2011, 12, 62.	0.1	6
47	Unfriending on Facebook: Friend Request and Online/Offline Behavior Analysis. , 2011, , .		46
48	The relationship between website quality, trust and price premiums at online auctions. <i>Electronic Commerce Research</i> , 2010, 10, 1-25.	3.0	133
49	Utilization and Perceived Benefit for Diverse Users of Communities of Practice in a Healthcare Organization. <i>Journal of Organizational and End User Computing</i> , 2010, 22, 24-50.	1.6	5
50	A Mashup Application to Support Complex Decision Making for Retail Consumers. <i>International Journal of Information Systems in the Service Sector</i> , 2010, 2, 39-56.	0.2	10
51	A Comparative Analysis of Professional Forums in the United States Army and Hybrid Communities of Practice in the Civilian Sector. , 2010, , .		1
52	Patient Perceptions of Electronic Medical Records. , 2010, , .		5
53	Cognitive engagement with a multimedia ERP training tool: Assessing computer self-efficacy and technology acceptance. <i>Information and Management</i> , 2009, 46, 221-232.	3.6	170
54	Factors Influencing Corporate Online Identity: A New Paradigm. <i>Journal of Theoretical and Applied Electronic Commerce Research</i> , 2009, 4, .	3.1	13

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55	Managing personal medical knowledge: agent-based knowledge acquisition. <i>International Journal of Technology Management</i> , 2009, 47, 22.	0.2	3
56	Knowledge management and organizational learning. <i>Learning Organization</i> , 2008, 15, 486-494.	0.7	27
57	Evaluating Medical Decision Making Heuristics and Other Business Heuristics with Neural Networks. <i>Studies in Computational Intelligence</i> , 2008, , 259-287.	0.7	14
58	Diagnostic Cost Reduction Using Artificial Neural Networks. , 2008, , 108-130.		0
59	Nurse Scheduling: From Academia to Implementation or Not?. <i>Interfaces</i> , 2007, 37, 355-369.	1.6	74
60	Exploiting the Information Web. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2007, 37, 109-125.	3.3	23
61	Nonparametric Decision Support Systems in Medical Diagnosis. <i>International Journal of Healthcare Information Systems and Informatics</i> , 2006, 1, 65-82.	1.0	9
62	Modeling online service discontinuation with nonparametric agents. <i>Information Systems and E-Business Management</i> , 2006, 4, 49-70.	2.2	10
63	Auction Advisor: an agent-based online-auction decision support system. <i>Decision Support Systems</i> , 2006, 41, 449-471.	3.5	52
64	Adaptive web information extraction. <i>Communications of the ACM</i> , 2006, 49, 78-84.	3.3	63
65	Artificial Neural Network Medical Decision Support Tool: Predicting Transfusion Requirements of ER Patients. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2005, 9, 468-474.	3.6	52
66	Organizational knowledge management structure. <i>Learning Organization</i> , 2005, 12, 330-339.	0.7	102
67	A multiagent architecture for developing medical information retrieval agents. <i>Journal of Medical Systems</i> , 2003, 27, 479-498.	2.2	24
68	A decision support tool for allocating hospital bed resources and determining required acuity of care. <i>Decision Support Systems</i> , 2003, 34, 445-456.	3.5	57
69	E-commerce Auction Agents and Online-auction Dynamics. <i>Electronic Markets</i> , 2003, 13, 242-250.	4.4	23
70	Factors Affecting Transfusion of Fresh Frozen Plasma, Platelets, and Red Blood Cells During Elective Coronary Artery Bypass Graft Surgery. <i>Archives of Pathology and Laboratory Medicine</i> , 2003, 127, 415-423.	1.2	59
71	Information security for agent-based WWW medical information retrieval. <i>Logistics Information Management</i> , 2002, 15, 393-399.	0.8	1
72	Clinical Correlate of EEG Rhythmicity. <i>Journal of Clinical Neurophysiology</i> , 2002, 19, 32-36.	0.9	5

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73	Knowledge discovery techniques for predicting country investment risk. Computers and Industrial Engineering, 2002, 43, 787-800.	3.4	52
74	A Context-Based Computational Model of Language Acquisition by Infants and Children. Foundations of Science, 2002, 7, 393-411.	0.4	1
75	Neural networks as a tool for developing and validating business heuristics. Expert Systems With Applications, 2001, 21, 31-36.	4.4	9
76	An artificial neural network approach to diagnosing epilepsy using lateralized bursts of theta EEGs. , 2001, 25, 9-20.		35
77	An Empirical Analysis of Data Requirements for Financial Forecasting with Neural Networks. Journal of Management Information Systems, 2001, 17, 203-222.	2.1	171
78	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
79	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
80	Redesigning the medical office for improved efficiency: an object-oriented event-driven messaging system. , 2000, 24, 29-37.		4
81	Transfusion Cost Containment for Abdominal Surgery with Neural Networks. Neural Processing Letters, 2000, 11, 229-238.	2.0	4
82	Pattern Analysis and Analogy in Shogi: Predicting Shogi Moves from Prior Experience. Knowledge and Information Systems, 2000, 2, 185-200.	2.1	1
83	Heuristic principles for the design of artificial neural networks. Information and Software Technology, 1999, 41, 107-117.	3.0	145
84	A comparative analysis of regression and neural networks for university admissions. Information Sciences, 1999, 119, 1-20.	4.0	33
85	Gaining Competitive Advantage for Trading in Emerging Capital Markets with Neural Networks. Journal of Management Information Systems, 1999, 16, 177-192.	2.1	31
86	Knowledge acquisition and knowledge representation with class: the object-oriented paradigm. Expert Systems With Applications, 1998, 15, 235-244.	4.4	35
87	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
88	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
89	Improving opening book performance through modeling of chess opponents. , 1996, , .		4
90	PATTERN-BASED TACTICAL PLANNING. International Journal of Pattern Recognition and Artificial Intelligence, 1992, 06, 955-988.	0.7	5

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91	PREDICTING ACTIONS FROM INDUCTION ON PAST PERFORMANCE. , 1991, , 275-279.		0
92	A centralized methodology for multi-level abstraction in simulation. ACM SIGSIM Simulation Digest, 1988, 19, 25-31.	0.1	2
93	A Guide for Purposive Sampling on Twitter. Communications of the Association for Information Systems, 0, , 537-559.	0.7	6
94	Diagnostic Cost Reduction Using Artificial Neural Networks. , 0, , 1812-1830.		0
95	Nonparametric Decision Support Systems in Medical Diagnosis. , 0, , 1483-1500.		0
96	Nonparametric Decision Support Systems in Medical Diagnosis. , 0, , 562-579.		0