

Wojtek Michalowski

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

1,016
citations

430874

18
h-index

477307

29
g-index

83
all docs

83
docs citations

83
times ranked

721
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation of emergency department physicians using robust value-based additive efficiency model. <i>International Transactions in Operational Research</i> , 2023, 30, 503-544.	2.7	5
2	Towards an AI Planning-Based Pipeline for the Management of Multimorbid Patients. <i>Lecture Notes in Computer Science</i> , 2022, , 14-23.	1.3	1
3	A scoping review of complication prediction models in spinal surgery: An analysis of model development, validation and impact. <i>North American Spine Society Journal (NASSJ)</i> , 2022, , 100142.	0.5	0
4	MitPlan: A planning approach to mitigating concurrently applied clinical practice guidelines. <i>Artificial Intelligence in Medicine</i> , 2021, 112, 102002.	6.5	10
5	MitPlan 2.0: Enhanced Support for Multi-morbid Patient Management Using Planning. <i>Lecture Notes in Computer Science</i> , 2021, , 276-286.	1.3	1
6	A Health eLearning Ontology and Procedural Reasoning Approach for Developing Personalized Courses to Teach Patients about Their Medical Condition and Treatment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7355.	2.6	6
7	Creating Mobile Self-Triage Applications: Requirements and Usability Perspectives. , 2021, , .		0
8	Towards a framework for comparing functionalities of multimorbidity clinical decision support: A literature-based feature set and benchmark cases.. <i>AMIA ... Annual Symposium proceedings</i> , 2021, 2021, 920-929.	0.2	0
9	A decision support system for home dialysis visit scheduling and nurse routing. <i>Decision Support Systems</i> , 2020, 130, 113224.	5.9	30
10	An ontology-driven framework to support the dynamic formation of an interdisciplinary healthcare team. <i>International Journal of Medical Informatics</i> , 2020, 136, 104075.	3.3	7
11	Multi-class imbalanced semi-supervised learning from streams through online ensembles. , 2020, , .		7
12	Business school teams up with clinical innovators: An opportunity for health system transformation. <i>Healthcare Management Forum</i> , 2019, 32, 218-223.	1.4	0
13	Automated Pathologist Scheduling at The Ottawa Hospital. <i>Interfaces</i> , 2019, 49, 93-103.	1.5	10
14	Incorporating Laboratory Values Into a Machine Learning Model Improves In-Hospital Mortality Predictions After Rapid Response Team Call. , 2019, 1, e0023.		2
15	MitPlan: A Planning Approach to Mitigating Concurrently Applied Clinical Practice Guidelines. <i>Lecture Notes in Computer Science</i> , 2019, , 93-103.	1.3	3
16	Barriers and enablers to a physician-delivered educational initiative to reduce low-acuity visits to the pediatric emergency department. <i>PLoS ONE</i> , 2018, 13, e0198181.	2.5	5
17	Ideating Mobile Health Behavioral Support for Compliance to Therapy for Patients with Chronic Disease: A Case Study of Atrial Fibrillation Management. <i>Journal of Medical Systems</i> , 2018, 42, 234.	3.6	23
18	Shared Decision-Making Ontology for a Healthcare Team Executing a Workflow, an Instantiation for Metastatic Spinal Cord Compression Management. <i>AMIA ... Annual Symposium proceedings</i> , 2018, 2018, 877-886.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Using data envelopment analysis for assessing the performance of pediatric emergency department physicians. <i>Health Care Management Science</i> , 2017, 20, 129-140.	2.6	21
20	Comprehensive mitigation framework for concurrent application of multiple clinical practice guidelines. <i>Journal of Biomedical Informatics</i> , 2017, 66, 52-71.	4.3	44
21	Supporting process execution by interdisciplinary healthcare teams: Middleware design for IBM BPM. <i>Procedia Computer Science</i> , 2017, 113, 376-383.	2.0	2
22	Architectural frameworks: defining the structures for implementing learning health systems. <i>Implementation Science</i> , 2017, 12, 78.	6.9	43
23	A Virtual Patient Navigation Application for Lung Cancer Assessment Patients. <i>Lecture Notes in Business Information Processing</i> , 2017, , 255-272.	1.0	0
24	Is There a Consensus when Physicians Evaluate the Relevance of Retrieved Systematic Reviews?. <i>Methods of Information in Medicine</i> , 2016, 55, 292-298.	1.2	3
25	Aligning Interdisciplinary Healthcare Team Behavior with Workflow Execution: An Example of a Radical Prostatectomy Workflow. , 2016, , .		2
26	Application of Preprocessing Methods to Imbalanced Clinical Data: An Experimental Study. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 503-515.	0.6	11
27	Using Semantic Components to Represent Dynamics of an Interdisciplinary Healthcare Team in a Multi-Agent Decision Support System. <i>Journal of Medical Systems</i> , 2016, 40, 42.	3.6	17
28	A real-time dashboard for managing pathology processes. <i>Journal of Pathology Informatics</i> , 2016, 7, 24.	1.7	10
29	Predictive Analytics to Support Real-Time Management in Pathology Facilities. <i>AMIA ... Annual Symposium proceedings</i> , 2016, 2016, 772-778.	0.2	1
30	MET4: Supporting Workflow Execution for Interdisciplinary Healthcare Teams. <i>Lecture Notes in Business Information Processing</i> , 2015, , 40-52.	1.0	4
31	Developing the Pathologists' Monthly Assignment Schedule: A Case Study at the Division of Anatomical Pathology of The Ottawa Hospital. <i>AMIA ... Annual Symposium proceedings</i> , 2015, 2015, 933-42.	0.2	1
32	A Framework for Modeling Workflow Execution by an Interdisciplinary Healthcare Team. <i>Studies in Health Technology and Informatics</i> , 2015, 216, 1100.	0.3	0
33	Expanding usability analysis with intrinsic motivation concepts to learn about CDSS adoption: a case study. <i>Health Policy and Technology</i> , 2014, 3, 113-125.	2.5	6
34	Using First-Order Logic to Represent Clinical Practice Guidelines and to Mitigate Adverse Interactions. <i>Lecture Notes in Computer Science</i> , 2014, , 45-61.	1.3	7
35	Special section on behavioral considerations in developing and applying operations research models. <i>Annals of Operations Research</i> , 2013, 211, 491-492.	4.1	0
36	Mitigation of adverse interactions in pairs of clinical practice guidelines using constraint logic programming. <i>Journal of Biomedical Informatics</i> , 2013, 46, 341-353.	4.3	58

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37	Using Constraint Logic Programming to Implement Iterative Actions and Numerical Measures during Mitigation of Concurrently Applied Clinical Practice Guidelines. Lecture Notes in Computer Science, 2013, , 17-22.	1.3	16
38	Evaluating emergency physicians: data envelopment analysis approach. AMIA ... Annual Symposium proceedings, 2013, 2013, 423-31.	0.2	0
39	ActCPG framework to learn about information user requirements of a clinical practice guideline. Health Policy and Technology, 2012, 1, 165-172.	2.5	0
40	Predicting the need for CT imaging in children with minor head injury using an ensemble of Naive Bayes classifiers. Artificial Intelligence in Medicine, 2012, 54, 163-170.	6.5	25
41	Implementing an Integrative Multi-agent Clinical Decision Support System with Open Source Software. Journal of Medical Systems, 2012, 36, 123-137.	3.6	33
42	Discovering the Preferences of Physicians with Regards to Rank-Ordered Medical Documents. Communications in Computer and Information Science, 2012, , 142-150.	0.5	0
43	Reconciliation of concurrently applied clinical practice guidelines using Constraint Logic Programming. , 2011, , .		8
44	A Constraint Logic Programming Approach to Identifying Inconsistencies in Clinical Practice Guidelines for Patients with Comorbidity. Lecture Notes in Computer Science, 2011, , 296-301.	1.3	4
45	Decision Making by Emergency Room Physicians and Residents. , 2011, , 131-148.		0
46	A Tree-Based Decision Model to Support Prediction of the Severity of Asthma Exacerbations in Children. Journal of Medical Systems, 2010, 34, 551-562.	3.6	30
47	Identifying inconsistencies in multiple clinical practice guidelines for a patient with co-morbidity. , 2010, , .		13
48	Representing clinical documents to support automatic retrieval of evidence from the Cochrane Library. , 2010, , .		0
49	Decision Making by Emergency Room Physicians and Residents. International Journal of Healthcare Information Systems and Informatics, 2009, 4, 17-35.	0.9	9
50	A SPATIAL MODEL FOR ESTIMATING CUMULATIVE EFFECTS AT AQUACULTURE SITES. Aquaculture, Economics and Management, 2009, 13, 294-311.	4.2	1
51	Prospective evaluation of the MET-AP system providing triage plans for acute pediatric abdominal pain. International Journal of Medical Informatics, 2008, 77, 208-218.	3.3	18
52	Engineering of a clinical decision support framework for the point of care use. AMIA ... Annual Symposium proceedings, 2008, , 814-8.	0.2	2
53	Designing man-machine interactions for mobile clinical systems: MET triage support using Palm handhelds. European Journal of Operational Research, 2007, 177, 1409-1417.	5.7	13
54	Using Secondary Knowledge to Support Decision Tree Classification of Retrospective Clinical Data. , 2007, , 238-251.		1

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55	A Concept-Based Framework for Retrieving Evidence to Support Emergency Physician Decision Making at the Point of Care. , 2007, , 117-126.		1
56	Using a Bayesian belief network model to categorize length of stay for radical prostatectomy patients. Health Care Management Science, 2006, 9, 341-348.	2.6	6
57	Developing a Decision Model for Asthma Exacerbations: Combining Rough Sets and Expert-Driven Selection of Clinical Attributes. Lecture Notes in Computer Science, 2006, , 428-437.	1.3	1
58	Development of a Decision Algorithm to Support Emergency Triage of Scrotal Pain and its Implementation in the met system. Infor, 2005, 43, 287-301.	0.6	19
59	Mining Clinical Data: Selecting Decision Support Algorithm for the MET-AP System. Lecture Notes in Computer Science, 2005, , 429-433.	1.3	4
60	Rough Set Methodology in Clinical Practice: Controlled Hospital Trial of the MET System. Lecture Notes in Computer Science, 2004, , 805-814.	1.3	9
61	MET system: a new approach to m-health in emergency triage. Studies in Health Technology and Informatics, 2004, 103, 101-8.	0.3	3
62	Mobile clinical support system for pediatric emergencies. Decision Support Systems, 2003, 36, 161-176.	5.9	68
63	Incorporating wealth information into a multiple criteria decision making model. European Journal of Operational Research, 2003, 150, 204-219.	5.7	28
64	Triage of the child with abdominal pain: A clinical algorithm for emergency patient management. Paediatrics and Child Health, 2001, 6, 23-28.	0.6	15
65	Extending the MAD portfolio optimization model to incorporate downside risk aversion. Naval Research Logistics, 2001, 48, 185-200.	2.2	51
66	Use Of Rough Sets Analysis To Classify Siberian Forest Ecosystems According To Net Primary Production Of Phytomass. Infor, 2000, 38, 145-160.	0.6	17
67	Searching for psychologically stable solutions of multiple criteria decision problems. European Journal of Operational Research, 1999, 118, 549-562.	5.7	15
68	Using attribute trade-off information in investment. Journal of Multi-Criteria Decision Analysis, 1999, 8, 189-199.	1.9	23
69	A Hybrid Interactive Technique For The MCDM Problems. , 1997, , 48-59.		5
70	MOLP Formulation Assistance Using LP Infeasibility Analysis. Lecture Notes in Economics and Mathematical Systems, 1996, , 87-106.	0.3	1
71	An interactive procedure for learning about preferences: Case study of a portfolio manager. Journal of Multi-Criteria Decision Analysis, 1994, 3, 27-40.	1.9	10
72	Teaching medical diagnosis: a rule-based approach. Medical Teacher, 1993, 15, 309-319.	1.8	0

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73	Negotiation Modelling and Support: Expanding the DSS Paradigm. , 1993, , 101-131.		3
74	A Bi-Reference Procedure for Interactive Multiple Criteria Programming. Operations Research, 1992, 40, 247-258.	1.9	50
75	Sequential Decision Making and Restructurable Modelling. , 1992, , 149-158.		0
76	Restructurable Representations of Negotiation. Management Science, 1991, 37, 1269-1290.	4.1	88
77	An analytic basis for decision support in negotiations. Naval Research Logistics, 1991, 38, 743-761.	2.2	14
78	Supporting Decision Processes: An Approach and Two Examples. , 1990, , 606-636.		1
79	A Symbolic Approach to Computer-assisted Preference Elicitation. Human Systems Management, 1989, 8, 225-231.	1.1	0
80	A procedure for worst outcomes displacement in multiple criteria decision making. Computers and Operations Research, 1989, 16, 195-206.	4.0	9
81	Representing the negotiation process with a rule-based formalism. Theory and Decision, 1988, 25, 225-257.	1.0	50
82	Evaluation Of A Multiple Criteria Interactive Programming Approach: An Experiment. Infor, 1987, 25, 165-173.	0.6	12