

# Erwin Hans

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,521  
citations

249298

26  
h-index

232693

48  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1732  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wait!What does that mean?: Eliminating ambiguity of delays in healthcare from an OR/MS perspective. Health Systems, 2023, 12, 3-21.	0.9	1
2	Optimising the booking horizon in healthcare clinics considering no-shows and cancellations. International Journal of Production Research, 2022, 60, 3201-3218.	4.9	5
3	On the design, implementation, and feasibility of hospital admission services: The admission lounge case. Omega, 2021, 100, 102308.	3.6	1
4	Implementing Algorithms to Reduce Ward Occupancy Fluctuation Through Advanced Planning. Profiles in Operations Research, 2021, , 129-150.	0.3	0
5	Emergency Operating Room or Not?. Profiles in Operations Research, 2021, , 111-128.	0.3	3
6	Minimizing Variation in Hospital Bed Utilization by Creating a Case Type Schedule for the Operating Room Planning. Profiles in Operations Research, 2021, , 231-247.	0.3	0
7	Radiotherapy treatment scheduling: Implementing operations research into clinical practice. PLoS ONE, 2021, 16, e0247428.	1.1	4
8	Scheduling surgery groups considering multiple downstream resources. European Journal of Operational Research, 2020, 282, 741-752.	3.5	31
9	Radiotherapy treatment scheduling considering time window preferences. Health Care Management Science, 2020, 23, 520-534.	1.5	11
10	A Mathematical Programming Model for Radiotherapy Scheduling with Time Windows. Springer Proceedings in Mathematics and Statistics, 2020, , 241-249.	0.1	0
11	Improving workflow control in radiotherapy using discrete-event simulation. BMC Medical Informatics and Decision Making, 2019, 19, 199.	1.5	17
12	Practices in timetabling in higher education institutions: a systematic review. Annals of Operations Research, 2019, 275, 145-160.	2.6	26
13	Stochastic integer programming for multi-disciplinary outpatient clinic planning. Health Care Management Science, 2019, 22, 53-67.	1.5	21
14	A mathematical programming model for optimizing the staff allocation in radiotherapy under uncertain demand. European Journal of Operational Research, 2018, 270, 709-722.	3.5	15
15	Case mix classification and a benchmark set for surgery scheduling. Journal of Scheduling, 2018, 21, 17-33.	1.3	28
16	A stochastic approach for solving the operating room scheduling problem. Flexible Services and Manufacturing Journal, 2018, 30, 224-251.	1.9	29
17	Batch scheduling in the histopathology laboratory. Flexible Services and Manufacturing Journal, 2018, 30, 171-197.	1.9	5
18	Appointment scheduling with unscheduled arrivals and reprioritization. Flexible Services and Manufacturing Journal, 2018, 30, 30-53.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Operations research for resource planning and -use in radiotherapy: a literature review. BMC Medical Informatics and Decision Making, 2016, 16, 149.	1.5	36
20	Predicting turnaround time reductions of the diagnostic track in the histopathology laboratory using mathematical modelling. Journal of Clinical Pathology, 2016, 69, 793-800.	1.0	6
21	Tactical project planning under uncertainty: fuzzy approach. European Journal of Industrial Engineering, 2016, 10, 301.	0.5	2
22	Patient admission planning using Approximate Dynamic Programming. Flexible Services and Manufacturing Journal, 2016, 28, 30-61.	1.9	28
23	Shift rostering using decomposition: assign weekend shifts first. Journal of Scheduling, 2015, 18, 29-43.	1.3	10
24	A case study of cost-efficient staffing under annualized hours. Health Care Management Science, 2015, 18, 279-288.	1.5	11
25	New heuristics for planning operating rooms. Computers and Industrial Engineering, 2015, 90, 429-443.	3.4	27
26	Improving the design and operation of an integrated emergency post via simulation. Journal of Simulation, 2015, 9, 99-110.	1.0	7
27	Simulation framework to analyze Operating Room release mechanisms. , 2014, , .		4
28	Designing cyclic appointment schedules for outpatient clinics with scheduled and unscheduled patient arrivals. Performance Evaluation, 2014, 80, 5-26.	0.9	35
29	Optimizing the strategic patient mix combining queueing theory and dynamic programming. Computers and Operations Research, 2014, 43, 271-279.	2.4	16
30	Master surgery scheduling with consideration of multiple downstream units. European Journal of Operational Research, 2014, 239, 227-236.	3.5	110
31	Special Issue of the 2012 conference of the EURO working group Operational Research Applied To Health Services (ORAHS). Operations Research for Health Care, 2014, 3, 47.	0.8	3
32	Reducing the number of required beds by rearranging the OR-schedule. OR Spectrum, 2013, 36, 585.	2.1	10
33	Anticipatory routing of police helicopters. Expert Systems With Applications, 2013, 40, 6938-6947.	4.4	1
34	Tactical resource allocation and elective patient admission planning in care processes. Health Care Management Science, 2013, 16, 152-166.	1.5	46
35	Stochastic and fuzzy workload plans in project tactical planning under uncertainty. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 616-623.	0.4	0
36	Analytical models to determine room requirements in outpatient clinics. OR Spectrum, 2012, 34, 391-405.	2.1	14

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37	Health care operations management. OR Spectrum, 2012, 34, 315-317.	2.1	5
38	Health care logistics and space: Accounting for the physical build environment. , 2012, , .		3
39	Operating Theatre Planning and Scheduling. Profiles in Operations Research, 2012, , 105-130.	0.3	21
40	Reducing the throughput time of the diagnostic track involving CT scanning with computer simulation. European Journal of Radiology, 2012, 81, 3131-3140.	1.2	18
41	Minimizing the waiting time for emergency surgery. Operations Research for Health Care, 2012, 1, 34-44.	0.8	94
42	A Framework for Healthcare Planning and Control. Profiles in Operations Research, 2012, , 303-320.	0.3	64
43	Taxonomic classification of planning decisions in health care: a structured review of the state of the art in OR/MS. Health Systems, 2012, 1, 129-175.	0.9	292
44	Efficiency evaluation for pooling resources in health care. OR Spectrum, 2012, 34, 371-390.	2.1	52
45	Vehicle routing under time-dependent travel times: The impact of congestion avoidance. Computers and Operations Research, 2012, 39, 910-918.	2.4	134
46	An exact approach for relating recovering surgical patient workload to the master surgical schedule. Journal of the Operational Research Society, 2011, 62, 1851-1860.	2.1	58
47	Fuzzy tactical project planning: Application to helicopter maintenance. , 2011, , .		4
48	The lot sizing and scheduling of sand casting operations. International Journal of Production Research, 2011, 49, 2481-2499.	4.9	25
49	Accounting for Inpatient Wards When Developing Master Surgical Schedules. Anesthesia and Analgesia, 2011, 112, 1472-1479.	1.1	40
50	ORchestra: an online reference database of OR/MS literature in health care. Health Care Management Science, 2011, 14, 383-384.	1.5	22
51	Optimizing departure times in vehicle routes. European Journal of Operational Research, 2011, 210, 579-587.	3.5	55
52	Suitability and managerial implications of the Master Surgical Scheduling approach. Annals of Operations Research, 2010, 178, 91-104.	2.6	48
53	A dynamic programming heuristic for vehicle routing with time-dependent travel times and required breaks. Flexible Services and Manufacturing Journal, 2010, 22, 83-108.	1.9	31
54	A master surgical scheduling approach for cyclic scheduling in operating room departments. OR Spectrum, 2008, 30, 355-374.	2.1	176

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55	Robust surgery loading. <i>European Journal of Operational Research</i> , 2008, 185, 1038-1050.	3.5	230
56	Fewer intensive care unit refusals and a higher capacity utilization by using a cyclic surgical case schedule. <i>Journal of Critical Care</i> , 2008, 23, 222-226.	1.0	42
57	A Simulation Model for Determining the Optimal Size of Emergency Teams on Call in the Operating Room at Night. <i>Anesthesia and Analgesia</i> , 2008, 107, 1655-1662.	1.1	43
58	Improving Operating Room Efficiency by Applying Bin-Packing and Portfolio Techniques to Surgical Case Scheduling. <i>Anesthesia and Analgesia</i> , 2007, 105, 707-714.	1.1	95
59	Applying the variety reduction principle to management of ancillary services. <i>Health Care Management Review</i> , 2007, 32, 37-45.	0.6	14
60	A hierarchical approach to multi-project planning under uncertainty. <i>Omega</i> , 2007, 35, 563-577.	3.6	93
61	A Norm Utilisation for Scarce Hospital Resources: Evidence from Operating Rooms in a Dutch University Hospital. <i>Journal of Medical Systems</i> , 2007, 31, 231-236.	2.2	33
62	Closing Emergency Operating Rooms Improves Efficiency. <i>Journal of Medical Systems</i> , 2007, 31, 543-546.	2.2	119
63	Influence of Cardiac Risk Factors and Medication on Length of Hospitalization in Patients Undergoing Major Vascular Surgery. <i>American Journal of Cardiology</i> , 2006, 97, 1423-1426.	0.7	20
64	Workload based order acceptance in job shop environments. <i>OR Spectrum</i> , 2005, 27, 107-122.	2.1	83
65	Scenario-based approach for flexible resource loading under uncertainty. <i>International Journal of Production Research</i> , 2004, 42, 5079-5098.	4.9	36