Sanja Petrovic

List of Publications by Year
in descending order

34 papers	2,842 citations	377584 21 h-index	511568 30 g-index
34 all docs	34 docs citations	34 times ranked	2326 citing authors

#	ARTICLE	IF	CITATIONS
1	A review of applications of operational research in healthcare coordination in disaster management. European Journal of Operational Research, 2022, 301, 1-17.	3.5	23
2	â€œYou have to get wet to learn how to swimâ€•applied to bridging the gap between research into personnel scheduling and its implementation in practice. Annals of Operations Research, 2019, 275, 161-179.	2.6	15
3	More steps towards process automation for optical fabrication. , 2017, , .		2
4	A Step Counting Hill Climbing Algorithm applied to University Examination Timetabling. Journal of Scheduling, 2016, 19, 479-492.	1.3	27
5	A multi-objective genetic algorithm for optimisation of energy consumption and shop floor production performance. International Journal of Production Economics, 2016, 179, 259-272.	5.1	107
6	Knowledge-light adaptation approaches in case-based reasoning for radiotherapy treatment planning. Artificial Intelligence in Medicine, 2016, 68, 17-28.	3.8	33
7	Reducing environmental impact of production during a Rolling Blackout policy â€" A multi-objective schedule optimisation approach. Journal of Cleaner Production, 2015, 102, 418-427.	4.6	46
8	An investigation into minimising total energy consumption and total weighted tardiness in job shops. Journal of Cleaner Production, 2014, 65, 87-96.	4.6	221
9	Match-up approaches to a dynamic rescheduling problem. International Journal of Production Research, 2012, 50, 261-276.	4.9	16
10	Calibrating continuous multi-objective heuristics using mixture experiments. Journal of Heuristics, 2012, 18, 699-726.	1.1	4
11	A NOVEL TWO PHASE RETRIEVAL MECHANISM FOR A CLINICAL CASE BASED REASONING SYSTEM FOR RADIOTHERAPY TREATMENT PLANNING. International Journal on Artificial Intelligence Tools, 2012, 21, 1240017.	0.7	3
12	Combined mathematical programming and heuristics for a radiotherapy pre-treatment scheduling problem. Journal of Scheduling, 2012, 15, 333-346.	1.3	44
13	A comparison of two approaches to nurse rostering problems. Annals of Operations Research, 2012, 194, 365-384.	2.6	31
14	A selfâ€adaptive caseâ€based reasoning system for dose planning in prostate cancer radiotherapy. Medical Physics, 2011, 38, 6528-6538.	1.6	20
15	A novel case based reasoning approach to radiotherapy planning. Expert Systems With Applications, 2011, 38, 10759-10769.	4.4	50
16	Integrating rush orders into existent schedules for a complex job shop problem. Applied Intelligence, 2010, 32, 205-215.	3.3	7
17	A new dispatching rule based genetic algorithm forÂtheÂmulti-objective job shop problem. Journal of Heuristics, 2010, 16, 771-793.	1.1	58
18	A cooperative hyper-heuristic search framework. Journal of Heuristics, 2010, 16, 835-857.	1.1	33

#	Article	IF	Citations
19	A hybrid metaheuristic case-based reasoning system forÂnurseÂrostering. Journal of Scheduling, 2009, 12, 99-119.	1.3	61
20	A survey of dynamic scheduling in manufacturing systems. Journal of Scheduling, 2009, 12, 417-431.	1.3	729
21	Dealing with missing values in a clinical case-based reasoning system. , 2009, , .		5
22	Dispatching rules for production scheduling: A hyper-heuristic landscape analysis. , 2009, , .		23
23	A Knowledge-Light Nonlinear Case-Based Reasoning Approach to Radiotherapy Planning. , 2009, , .		4
24	Fuzzy job shop scheduling with lot-sizing. Annals of Operations Research, 2008, 159, 275-292.	2.6	53
25	Sensitivity analysis of a fuzzy multiobjective scheduling problem. International Journal of Production Research, 2008, 46, 3327-3344.	4.9	21
26	A cooperative distributed Hyper-Heuristic framework for scheduling. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	9
27	A graph-based hyper-heuristic for educational timetabling problems. European Journal of Operational Research, 2007, 176, 177-192.	3.5	393
28	A new approach to two-machine flow shop problem with uncertain processing times. Optimization and Engineering, 2006, 7, 329-342.	1.3	29
29	Case-based heuristic selection for timetabling problems. Journal of Scheduling, 2006, 9, 115-132.	1.3	169
30	METAHEURISTICS FOR HANDLING TIME INTERVAL COVERAGE CONSTRAINTS IN NURSE SCHEDULING. Applied Artificial Intelligence, 2006, 20, 743-766.	2.0	62
31	A time-predefined local search approach to exam timetabling problems. IIE Transactions, 2004, 36, 509-528.	2.1	148
32	A multi-agent architecture for dynamic scheduling of steel hot rolling. Journal of Intelligent Manufacturing, 2003, 14, 457-470.	4.4	78
33	Recent research directions in automated timetabling. European Journal of Operational Research, 2002, 140, 266-280.	3.5	306
34	A New Fuzzy Multi-criteria Methodology for Ranking of Alternatives. International Transactions in Operational Research, 2002, 9, 73-84.	1.8	12