

Rafael Pastor Moreno

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

1,823
citations

279798
23
h-index

330143
37
g-index

101
all docs

101
docs citations

101
times ranked

1173
citing authors

#	ARTICLE	IF	CITATIONS
1	Balancing and scheduling tasks in assembly lines with sequence-dependent setup times. European Journal of Operational Research, 2008, 187, 1212-1223.	5.7	135
2	Balancing assembly line with skilled and unskilled workers. Omega, 2008, 36, 1126-1132.	5.9	101
3	A MILP model to design hybrid wind+photovoltaic isolated rural electrification projects in developing countries. European Journal of Operational Research, 2013, 226, 293-300.	5.7	100
4	Heuristic procedures for solving the general assembly line balancing problem with setups. International Journal of Production Research, 2010, 48, 1787-1804.	7.5	62
5	Tabu search algorithms for an industrial multi-product and multi-objective assembly line balancing problem, with reduction of the task dispersion. Journal of the Operational Research Society, 2002, 53, 1317-1323.	3.4	55
6	Renewable energy projects to electrify rural communities in Cape Verde. Applied Energy, 2014, 118, 280-291.	10.1	55
7	A community electrification project: Combination of microgrids and household systems fed by wind, PV or micro-hydro energies according to micro-scale resource evaluation and social constraints. Energy for Sustainable Development, 2014, 23, 275-285.	4.5	51
8	An improved mathematical program to solve the simple assembly line balancing problem. International Journal of Production Research, 2009, 47, 2943-2959.	7.5	49
9	An evaluation of constructive heuristic methods for solving the alternative subgraphs assembly line balancing problem. Journal of Heuristics, 2009, 15, 109-132.	1.4	48
10	Introducing dynamic diversity into a discrete particle swarm optimization. Computers and Operations Research, 2009, 36, 951-966.	4.0	48
11	Assembly line balancing: general resource-constrained case. International Journal of Production Research, 2011, 49, 3527-3542.	7.5	44
12	Off-grid community electrification projects based on wind and solar energies: A case study in Nicaragua. Solar Energy, 2015, 117, 268-281.	6.1	44
13	A dispatching algorithm for flexible job-shop scheduling with transfer batches: an industrial application. Production Planning and Control, 2014, 25, 93-109.	8.8	41
14	Rotational allocation of tasks to multifunctional workers in a service industry. International Journal of Production Economics, 2006, 103, 3-9.	8.9	40
15	A model for the assignment of a set of tasks when work performance depends on experience of all tasks involved. International Journal of Production Economics, 2010, 126, 335-340.	8.9	35
16	Using MILP to plan annualised working hours. Journal of the Operational Research Society, 2002, 53, 1101-1108.	3.4	34
17	Planning Annualised Hours with a Finite Set of Weekly Working Hours and Joint Holidays. Annals of Operations Research, 2004, 128, 217-233.	4.1	34
18	Using a MILP model to establish a framework for an annualised hours agreement. European Journal of Operational Research, 2007, 177, 1495-1506.	5.7	31

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19	Hierarchical methodology to optimize the design of stand-alone electrification systems for rural communities considering technical and social criteria. Renewable and Sustainable Energy Reviews, 2015, 51, 182-196.	16.4	31
20	Selecting and adapting weekly work schedules with working time accounts: A case of a retail clothing chain. European Journal of Operational Research, 2008, 184, 1-12.	5.7	30
21	ASALBP: the alternative subgraphs assembly line balancing problem. International Journal of Production Research, 2008, 46, 3503-3516.	7.5	29
22	The multi-objective assembly line worker integration and balancing problem of type-2. Computers and Operations Research, 2017, 82, 114-125.	4.0	28
23	Heuristic indicators for the design of community off-grid electrification systems based on multiple renewable energies. Energy, 2013, 50, 501-512.	8.8	26
24	Optimizing microwind rural electrification projects. A case study in Peru. Journal of Global Optimization, 2011, 50, 127-143.	1.8	24
25	A survey of the parallel assembly lines balancing problem. Computers and Operations Research, 2020, 124, 105061.	4.0	24
26	Hyper-heuristic approaches for the response time variability problem. European Journal of Operational Research, 2011, 211, 160-169.	5.7	23
27	Multi-objective allocation of multi-function workers with lower bounded capacity. Journal of the Operational Research Society, 2005, 56, 738-743.	3.4	21
28	Local and regional microgrid models to optimise the design of isolated electrification projects. Renewable Energy, 2018, 119, 795-808.	8.9	21
29	Characteristics and classification of the annualised working hours planning problems. International Journal of Services, Technology and Management, 2004, 5, 435.	0.1	19
30	LB-ALBP: the lexicographic bottleneck assembly line balancing problem. International Journal of Production Research, 2011, 49, 2425-2442.	7.5	19
31	Task assignment considering cross-training goals and due dates. International Journal of Production Research, 2013, 51, 952-962.	7.5	19
32	Planning annualised hours with a finite set of weekly working hours and cross-trained workers. European Journal of Operational Research, 2007, 176, 230-239.	5.7	17
33	Planning production using mathematical programming: The case of a woodturning company. Computers and Operations Research, 2009, 36, 2173-2178.	4.0	17
34	Solving the response time variability problem by means of a genetic algorithm. European Journal of Operational Research, 2010, 202, 320-327.	5.7	17
35	Mathematical programming modeling of the Response Time Variability Problem. European Journal of Operational Research, 2010, 200, 347-357.	5.7	17
36	Solving the response time variability problem by means of the electromagnetism-like mechanism. International Journal of Production Research, 2010, 48, 6701-6714.	7.5	16

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37	Replanning working time under annualised working hours. International Journal of Production Research, 2010, 48, 1493-1515.	7.5	15
38	Planning working time accounts under demand uncertainty. Computers and Operations Research, 2011, 38, 517-524.	4.0	15
39	A heuristic method to design autonomous village electrification projects with renewable energies. Energy, 2014, 73, 96-109.	8.8	15
40	The ASALB Problem with Processing Alternatives Involving Different Tasks: Definition, Formalization and Resolution. Lecture Notes in Computer Science, 2006, , 554-563.	1.3	14
41	Evaluating Optimization Models to Solve SALBP. , 2007, , 791-803.		14
42	A bicriteria integer programming model for the hierarchical workforce scheduling problem. Journal of Modelling in Management, 2010, 5, 54-62.	1.9	14
43	A heuristic procedure for solving the Lexicographic Bottleneck Assembly Line Balancing Problem (LB-ALBP). International Journal of Production Research, 2012, 50, 1862-1876.	7.5	14
44	MILP-based heuristics for the design of rural community electrification projects. Computers and Operations Research, 2016, 71, 90-99.	4.0	14
45	Planning production and working time withinÂannualised hours scheme framework. Annals of Operations Research, 2007, 155, 5-23.	4.1	13
46	A meta-heuristic method to design off-grid community electrification projects with renewable energies. Energy, 2015, 93, 2467-2482.	8.8	13
47	Heuristic Methods to Solve the Alternative Subgraphs Assembly Line Balancing Problem. , 2006, , .		12
48	An exact procedure for planning holidays and working time under annualized hours considering cross-trained workers with different efficiencies. International Journal of Production Research, 2008, 46, 2123-2142.	7.5	12
49	A MILP model for the Accessibility Windows Assembly Line Balancing Problem (AWALBP). International Journal of Production Research, 2013, 51, 3549-3560.	7.5	12
50	Combining matheuristics and MILP to solve the accessibility windows assembly line balancing problem level 2 (AWALBP-L2). Computers and Operations Research, 2014, 48, 113-123.	4.0	12
51	Solving the response time variability problem by means of a psychoclonal approach. Journal of Heuristics, 2010, 16, 337-351.	1.4	11
52	Including management and security of supply constraints for designing stand-alone electrification systems in developing countries. Renewable Energy, 2015, 80, 359-369.	8.9	11
53	Production planning under a working time accounts scheme. International Journal of Production Research, 2009, 47, 3435-3451.	7.5	10
54	Capacity planning with working time accounts in services. Journal of the Operational Research Society, 2010, 61, 321-331.	3.4	10

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55	Heuristics and simulated annealing procedures for the accessibility windows assembly line problem level 1 (AWALBP-L1). Computers and Operations Research, 2015, 62, 1-11.	4.0	10
56	Fine-tuning a parametric Clarke and Wright heuristic by means of EAGH (empirically adjusted greedy) Tj ETQq0 0 0 ggBT /Overclock 10 Tf 3.4	3.4	9
57	Annualised Hours: A Real Flexibility Tool. OR Insight, 2005, 18, 10-14.	0.1	8
58	A multistage graph-based procedure for solving a just-in-time flexible job-shop scheduling problem with machine and time-dependent processing costs. Journal of the Operational Research Society, 2019, 70, 620-633.	3.4	8
59	Determining the most appropriate set of weekly working hours for planning annualised working time. International Journal of Production Economics, 2008, 111, 697-706.	8.9	7
60	An entropy-based measurement of working time flexibility. European Journal of Operational Research, 2010, 200, 253-260.	5.7	7
61	Comparison of various approaches to design windâ€”PV rural electrification projects in remote areas of developing countries. Wiley Interdisciplinary Reviews: Energy and Environment, 2019, 8, e332.	4.1	7
62	Ad-hoc heuristic for design of wind-photovoltaic electrification systems, including management constraints. Energy, 2020, 212, 118755.	8.8	7
63	Human resource management using working time accounts with expiry of hours. Journal of Industrial and Management Optimization, 2009, 5, 569-584.	1.3	7
64	Multi-manned assembly line balancing problem with dependent task times: a heuristic based on solving a partition problem with constraints. European Journal of Operational Research, 2022, 302, 96-116.	5.7	7
65	Branch and win: OR tree search algorithms for solving combinatorial optimisation problems. Top, 2004, 12, 169-191.	1.6	6
66	Solving the response time variability problem by means of the cross-entropy method. International Journal of Manufacturing Technology and Management, 2010, 20, 316.	0.1	6
67	Optimizing PV Microgrid Isolated Electrification Projectsâ€”A Case Study in Ecuador. Mathematics, 2022, 10, 1226.	2.2	6
68	Comparing ways of breaking symmetries in mathematical models for SALBPâ€”1. Assembly Automation, 2011, 31, 385-387.	1.7	5
69	Metaheuristic algorithms hybridised with variable neighbourhood search for solving the response time variability problem. Top, 2013, 21, 296-312.	1.6	5
70	Metaheuristic procedures for the lexicographic bottleneck assembly line balancing problem. Journal of the Operational Research Society, 2015, 66, 1815-1825.	3.4	5
71	Hybrid metaheuristics for the Accessibility Windows Assembly Line Balancing Problem Level 2 (AWALBP-L2). European Journal of Operational Research, 2016, 250, 760-772.	5.7	5
72	A step-by-step guide to assist logistics managers in defining efficient re-shelving solutions for retail store deliveries. International Journal of Physical Distribution and Logistics Management, 2018, 48, 952-972.	7.4	5

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73	A multi-objective optimization approach for the design of stand-alone electrification systems based on renewable energies. Expert Systems With Applications, 2022, 199, 116939.	7.6	5
74	A note on “A comparative evaluation of assembly line balancing heuristics”. International Journal of Advanced Manufacturing Technology, 2009, 44, 817-817.	3.0	4
75	A branch and bound algorithm for the response time variability problem. Journal of Scheduling, 2013, 16, 243-252.	1.9	4
76	Solving the accessibility windows assembly line problem level 1 and variant 1 (AWALBP-L1-1) with precedence constraints. European Journal of Operational Research, 2018, 271, 882-895.	5.7	4
77	Strategies of node selection in search procedures for solving combinatorial optimization problems: A survey and a general formalization. Top, 2000, 8, 111-134.	1.6	3
78	A proposal for a hybrid meta-strategy for combinatorial optimization problems. Journal of Heuristics, 2008, 14, 375-390.	1.4	3
79	Designing salespeople's routes with multiple visits of customers: A case study. International Journal of Production Economics, 2009, 119, 46-54.	8.9	3
80	Designing greedy algorithms for the flow-shop problem by means of Empirically Adjusted Greedy Heuristics (EAGH). Journal of the Operational Research Society, 2011, 62, 1704-1710.	3.4	3
81	Heuristics for the response time variability problem. European Journal of Industrial Engineering, 2012, 6, 751.	0.8	3
82	Technical note: a systematic procedure based on CALIBRA and the Nelder & Mead algorithm for fine-tuning metaheuristics. Journal of the Operational Research Society, 2013, 64, 276-282.	3.4	3
83	Pure and Hybrid Metaheuristics for the Response Time Variability Problem. , 2013, , 275-311.		3
84	Minimising maximum response time. Computers and Operations Research, 2013, 40, 2314-2321.	4.0	2
85	Technical Note: Relating to the Parameter Values Given by Nelder and Mead in their Algorithm. Computer Journal, 2015, 58, 157-159.	2.4	2
86	EXISTENCE AND SIZING OF BUFFERS IN PARALLEL ASSEMBLY LINES WITH MULTI-LINE WORKSTATIONS AND DIFFERENT CYCLE TIMES. Dyna Management, 2021, 9, [10 p.]-[10 p.].	0.1	2
87	MATHEMATICAL MODELS FOR BUFFER SIZING PROBLEMS IN PARALLEL ASSEMBLY LINES WITH MULTI-LINE STATIONS AND DIFFERENT CYCLE TIMES. Dyna (Spain), 2021, 96, 563-563.	0.2	2
88	Balancing Cost and Demand in Electricity Access Projects: Case Studies in Ecuador, Mexico and Peru. Mathematics, 2022, 10, 1995.	2.2	2
89	A support tool for working time bargaining by considering individual time accounts and annual leave. Production Planning and Control, 2010, 21, 84-98.	8.8	1
90	A Metaheuristic Approach to Solve the Alternative Subgraphs Assembly Line Balancing Problem. , 0, , .		1

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91	Simulated annealing for improving the solution of the response time variability problem. International Journal of Production Research, 2013, 51, 4911-4920.	7.5	1
92	Stabilizing work schedules in a call centre: Expected and unexpected results. OR Insight, 2006, 19, 26-32.	0.1	0
93	Scheduling production of multiple part-types in a system with pre-known demands and deterministic inactive time intervals. European Journal of Operational Research, 2009, 193, 639-643.	5.7	0
94	A TOOL FOR THE PURCHASING DECISIONS MAKING FROM SUPPLIERS AND THE PRE-SALES SATISFACTION IN AN ONLINE SALES CAMPAING. Dyna (Spain), 2021, 96, 55-61.	0.2	0
95	Job assignment. , 2007, , 65-85.		0
96	Variations in the efficiency of a mathematical programming solver according to the order of the constraints in the model. Journal of Industrial Engineering and Management, 2008, 1, .	1.5	0
97	A Parametric Multi-start Algorithm for Solving the Response Time Variability Problem. Lecture Notes in Computer Science, 2010, , 302-309.	1.3	0
98	COCTEL DE HEURISTICAS PARA RESOLVER PROBLEMAS DIFICILES. Dyna (Spain), 2012, 87, 275-278.	0.2	0
99	EQUILIBRADO DE LINEAS DE MONTAJE CON VENTANAS DE VISIBILIDAD. DESCRIPCION DEL PROBLEMA Y PROCEDIMIENTO HEURISTICO DE RESOLUCION. Dyna (Spain), 2014, 89, 552-559.	0.2	0