

Rafael Pastor Moreno

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5357523/publications.pdf>

Version: 2024-02-01

99
papers

1,823
citations

279487

23
h-index

329751

37
g-index

101
all docs

101
docs citations

101
times ranked

1173
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing PV Microgrid Isolated Electrification Projects—A Case Study in Ecuador. <i>Mathematics</i> , 2022, 10, 1226.	1.1	6
2	A multi-objective optimization approach for the design of stand-alone electrification systems based on renewable energies. <i>Expert Systems With Applications</i> , 2022, 199, 116939.	4.4	5
3	Multi-manned assembly line balancing problem with dependent task times: a heuristic based on solving a partition problem with constraints. <i>European Journal of Operational Research</i> , 2022, 302, 96-116.	3.5	7
4	Balancing Cost and Demand in Electricity Access Projects: Case Studies in Ecuador, Mexico and Peru. <i>Mathematics</i> , 2022, 10, 1995.	1.1	2
5	A TOOL FOR THE PURCHASING DECISIONS MAKING FROM SUPPLIERS AND THE PRE-SALES SATISFACTION IN AN ONLINE SALES CAMPAIGN. <i>Dyna (Spain)</i> , 2021, 96, 55-61.	0.1	0
6	EXISTENCE AND SIZING OF BUFFERS IN PARALLEL ASSEMBLY LINES WITH MULTI-LINE WORKSTATIONS AND DIFFERENT CYCLE TIMES. <i>Dyna Management</i> , 2021, 9, [10 p.]-[10 p.].	0.1	2
7	MATHEMATICAL MODELS FOR BUFFER SIZING PROBLEMS IN PARALLEL ASSEMBLY LINES WITH MULTI-LINE STATIONS AND DIFFERENT CYCLE TIMES. <i>Dyna (Spain)</i> , 2021, 96, 563-563.	0.1	2
8	A survey of the parallel assembly lines balancing problem. <i>Computers and Operations Research</i> , 2020, 124, 105061.	2.4	24
9	Ad-hoc heuristic for design of wind-photovoltaic electrification systems, including management constraints. <i>Energy</i> , 2020, 212, 118755.	4.5	7
10	Comparison of various approaches to design wind-photovoltaic rural electrification projects in remote areas of developing countries. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2019, 8, e332.	1.9	7
11	A multistage graph-based procedure for solving a just-in-time flexible job-shop scheduling problem with machine and time-dependent processing costs. <i>Journal of the Operational Research Society</i> , 2019, 70, 620-633.	2.1	8
12	Local and regional microgrid models to optimise the design of isolated electrification projects. <i>Renewable Energy</i> , 2018, 119, 795-808.	4.3	21
13	A step-by-step guide to assist logistics managers in defining efficient re-shelving solutions for retail store deliveries. <i>International Journal of Physical Distribution and Logistics Management</i> , 2018, 48, 952-972.	4.4	5
14	Solving the accessibility windows assembly line problem level 1 and variant 1 (AWALBP-L1-1) with precedence constraints. <i>European Journal of Operational Research</i> , 2018, 271, 882-895.	3.5	4
15	The multi-objective assembly line worker integration and balancing problem of type-2. <i>Computers and Operations Research</i> , 2017, 82, 114-125.	2.4	28
16	MILP-based heuristics for the design of rural community electrification projects. <i>Computers and Operations Research</i> , 2016, 71, 90-99.	2.4	14
17	Hybrid metaheuristics for the Accessibility Windows Assembly Line Balancing Problem Level 2 (AWALBP-L2). <i>European Journal of Operational Research</i> , 2016, 250, 760-772.	3.5	5
18	Technical Note: Relating to the Parameter Values Given by Nelder and Mead in their Algorithm. <i>Computer Journal</i> , 2015, 58, 157-159.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Including management and security of supply constraints for designing stand-alone electrification systems in developing countries. <i>Renewable Energy</i> , 2015, 80, 359-369.	4.3	11
20	Off-grid community electrification projects based on wind and solar energies: A case study in Nicaragua. <i>Solar Energy</i> , 2015, 117, 268-281.	2.9	44
21	Metaheuristic procedures for the lexicographic bottleneck assembly line balancing problem. <i>Journal of the Operational Research Society</i> , 2015, 66, 1815-1825.	2.1	5
22	Hierarchical methodology to optimize the design of stand-alone electrification systems for rural communities considering technical and social criteria. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 182-196.	8.2	31
23	Heuristics and simulated annealing procedures for the accessibility windows assembly line problem level 1 (AWALBP-L1). <i>Computers and Operations Research</i> , 2015, 62, 1-11.	2.4	10
24	A meta-heuristic method to design off-grid community electrification projects with renewable energies. <i>Energy</i> , 2015, 93, 2467-2482.	4.5	13
25	A dispatching algorithm for flexible job-shop scheduling with transfer batches: an industrial application. <i>Production Planning and Control</i> , 2014, 25, 93-109.	5.8	41
26	Combining matheuristics and MILP to solve the accessibility windows assembly line balancing problem level 2 (AWALBP-L2). <i>Computers and Operations Research</i> , 2014, 48, 113-123.	2.4	12
27	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. <i>Energy for Sustainable Development</i> , 2014, 23, 275-285.	2.0	51
28	A heuristic method to design autonomous village electrification projects with renewable energies. <i>Energy</i> , 2014, 73, 96-109.	4.5	15
29	Renewable energy projects to electrify rural communities in Cape Verde. <i>Applied Energy</i> , 2014, 118, 280-291.	5.1	55
30	EQUILIBRADO DE LINEAS DE MONTAJE CON VENTANAS DE VISIBILIDAD. DESCRIPCION DEL PROBLEMA Y PROCEDIMIENTO HEURISTICO DE RESOLUCION. <i>Dyna (Spain)</i> , 2014, 89, 552-559.	0.1	0
31	A branch and bound algorithm for the response time variability problem. <i>Journal of Scheduling</i> , 2013, 16, 243-252.	1.3	4
32	Heuristic indicators for the design of community off-grid electrification systems based on multiple renewable energies. <i>Energy</i> , 2013, 50, 501-512.	4.5	26
33	Metaheuristic algorithms hybridised with variable neighbourhood search for solving the response time variability problem. <i>Top</i> , 2013, 21, 296-312.	1.1	5
34	Task assignment considering cross-training goals and due dates. <i>International Journal of Production Research</i> , 2013, 51, 952-962.	4.9	19
35	Minimising maximum response time. <i>Computers and Operations Research</i> , 2013, 40, 2314-2321.	2.4	2
36	A MILP model for the Accessibility Windows Assembly Line Balancing Problem (AWALBP). <i>International Journal of Production Research</i> , 2013, 51, 3549-3560.	4.9	12

#	ARTICLE	IF	CITATIONS
37	A MILP model to design hybrid wind+photovoltaic isolated rural electrification projects in developing countries. European Journal of Operational Research, 2013, 226, 293-300.	3.5	100
38	Simulated annealing for improving the solution of the response time variability problem. International Journal of Production Research, 2013, 51, 4911-4920.	4.9	1
39	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.	2.1	3
40	Pure and Hybrid Metaheuristics for the Response Time Variability Problem. , 2013, , 275-311.		3
41	Heuristics for the response time variability problem. European Journal of Industrial Engineering, 2012, 6, 751.	0.5	3
42	A heuristic procedure for solving the Lexicographic Bottleneck Assembly Line Balancing Problem (LB-ALBP). International Journal of Production Research, 2012, 50, 1862-1876.	4.9	14
43	COCTEL DE HEURISTICAS PARA RESOLVER PROBLEMAS DIFICILES. Dyna (Spain), 2012, 87, 275-278.	0.1	0
44	LB-ALBP: the lexicographic bottleneck assembly line balancing problem. International Journal of Production Research, 2011, 49, 2425-2442.	4.9	19
45	Assembly line balancing: general resource-constrained case. International Journal of Production Research, 2011, 49, 3527-3542.	4.9	44
46	Comparing ways of breaking symmetries in mathematical models for SALBP. Assembly Automation, 2011, 31, 385-387.	1.0	5
47	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.	2.1	3
48	Optimizing microwind rural electrification projects. A case study in Peru. Journal of Global Optimization, 2011, 50, 127-143.	1.1	24
49	Planning working time accounts under demand uncertainty. Computers and Operations Research, 2011, 38, 517-524.	2.4	15
50	Hyper-heuristic approaches for the response time variability problem. European Journal of Operational Research, 2011, 211, 160-169.	3.5	23
51	Capacity planning with working time accounts in services. Journal of the Operational Research Society, 2010, 61, 321-331.	2.1	10
52	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
53	Fine-tuning a parametric Clarke and Wright heuristic by means of EAGH (empirically adjusted greedy) Tj ETQq1 1 0.784314 rgBT /Overlo	2.1	9
54	An entropy-based measurement of working time flexibility. European Journal of Operational Research, 2010, 200, 253-260.	3.5	7

#	ARTICLE	IF	CITATIONS
55	Solving the response time variability problem by means of a genetic algorithm. <i>European Journal of Operational Research</i> , 2010, 202, 320-327.	3.5	17
56	Solving the response time variability problem by means of a psychoclonal approach. <i>Journal of Heuristics</i> , 2010, 16, 337-351.	1.1	11
57	A model for the assignment of a set of tasks when work performance depends on experience of all tasks involved. <i>International Journal of Production Economics</i> , 2010, 126, 335-340.	5.1	35
58	Mathematical programming modeling of the Response Time Variability Problem. <i>European Journal of Operational Research</i> , 2010, 200, 347-357.	3.5	17
59	Replanning working time under annualised working hours. <i>International Journal of Production Research</i> , 2010, 48, 1493-1515.	4.9	15
60	A support tool for working time bargaining by considering individual time accounts and annual leave. <i>Production Planning and Control</i> , 2010, 21, 84-98.	5.8	1
61	A bicriteria integer programming model for the hierarchical workforce scheduling problem. <i>Journal of Modelling in Management</i> , 2010, 5, 54-62.	1.1	14
62	Solving the response time variability problem by means of the electromagnetism-like mechanism. <i>International Journal of Production Research</i> , 2010, 48, 6701-6714.	4.9	16
63	Heuristic procedures for solving the general assembly line balancing problem with setups. <i>International Journal of Production Research</i> , 2010, 48, 1787-1804.	4.9	62
64	A Parametric Multi-start Algorithm for Solving the Response Time Variability Problem. <i>Lecture Notes in Computer Science</i> , 2010, , 302-309.	1.0	0
65	Production planning under a working time accounts scheme. <i>International Journal of Production Research</i> , 2009, 47, 3435-3451.	4.9	10
66	An evaluation of constructive heuristic methods for solving the alternative subgraphs assembly line balancing problem. <i>Journal of Heuristics</i> , 2009, 15, 109-132.	1.1	48
67	A note on a comparative evaluation of assembly line balancing heuristics. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 44, 817-817.	1.5	4
68	Designing salespeople's routes with multiple visits of customers: A case study. <i>International Journal of Production Economics</i> , 2009, 119, 46-54.	5.1	3
69	Introducing dynamic diversity into a discrete particle swarm optimization. <i>Computers and Operations Research</i> , 2009, 36, 951-966.	2.4	48
70	Planning production using mathematical programming: The case of a woodturning company. <i>Computers and Operations Research</i> , 2009, 36, 2173-2178.	2.4	17
71	Scheduling production of multiple part-types in a system with pre-known demands and deterministic inactive time intervals. <i>European Journal of Operational Research</i> , 2009, 193, 639-643.	3.5	0
72	An improved mathematical program to solve the simple assembly line balancing problem. <i>International Journal of Production Research</i> , 2009, 47, 2943-2959.	4.9	49

#	ARTICLE	IF	CITATIONS
73	Human resource management using working time accounts with expiry of hours. Journal of Industrial and Management Optimization, 2009, 5, 569-584.	0.8	7
74	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.	3.5	30
75	A proposal for a hybrid meta-strategy for combinatorial optimization problems. Journal of Heuristics, 2008, 14, 375-390.	1.1	3
76	Balancing and scheduling tasks in assembly lines with sequence-dependent setup times. European Journal of Operational Research, 2008, 187, 1212-1223.	3.5	135
77	Determining the most appropriate set of weekly working hours for planning annualised working time. International Journal of Production Economics, 2008, 111, 697-706.	5.1	7
78	Balancing assembly line with skilled and unskilled workers. Omega, 2008, 36, 1126-1132.	3.6	101
79	ASALBP: the alternative subgraphs assembly line balancing problem. International Journal of Production Research, 2008, 46, 3503-3516.	4.9	29
80	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.	4.9	12
81	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, .	1.0	0
82	Evaluating Optimization Models to Solve SALBP. , 2007, , 791-803.		14
83	Using a MILP model to establish a framework for an annualised hours agreement. European Journal of Operational Research, 2007, 177, 1495-1506.	3.5	31
84	Planning production and working time within an annualised hours scheme framework. Annals of Operations Research, 2007, 155, 5-23.	2.6	13
85	Planning annualised hours with a finite set of weekly working hours and cross-trained workers. European Journal of Operational Research, 2007, 176, 230-239.	3.5	17
86	Job assignment. , 2007, , 65-85.		0
87	Stabilizing work schedules in a call centre: Expected and unexpected results. OR Insight, 2006, 19, 26-32.	0.1	0
88	Rotational allocation of tasks to multifunctional workers in a service industry. International Journal of Production Economics, 2006, 103, 3-9.	5.1	40
89	Heuristic Methods to Solve the Alternative Subgraphs Assembly Line Balancing Problem. , 2006, , .		12
90	The ASALB Problem with Processing Alternatives Involving Different Tasks: Definition, Formalization and Resolution. Lecture Notes in Computer Science, 2006, , 554-563.	1.0	14

#	ARTICLE	IF	CITATIONS
91	Annualised Hours: A Real Flexibility Tool. OR Insight, 2005, 18, 10-14.	0.1	8
92	Multi-objective allocation of multi-function workers with lower bounded capacity. Journal of the Operational Research Society, 2005, 56, 738-743.	2.1	21
93	Planning Annualised Hours with a Finite Set of Weekly Working Hours and Joint Holidays. Annals of Operations Research, 2004, 128, 217-233.	2.6	34
94	Branch and win: OR tree search algorithms for solving combinatorial optimisation problems. Top, 2004, 12, 169-191.	1.1	6
95	Characteristics and classification of the annualised working hours planning problems. International Journal of Services, Technology and Management, 2004, 5, 435.	0.1	19
96	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.	2.1	55
97	Using MILP to plan annualised working hours. Journal of the Operational Research Society, 2002, 53, 1101-1108.	2.1	34
98	Strategies of node selection in search procedures for solving combinatorial optimization problems: A survey and a general formalization. Top, 2000, 8, 111-134.	1.1	3
99	A Metaheuristic Approach to Solve the Alternative Subgraphs Assembly Line Balancing Problem. , 0, , .		1