

Philip J Kilby

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

514
citations

840776

11
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving Vehicle Routing Problems Using Constraint Programming and Metaheuristics. Journal of Heuristics, 2000, 6, 501-523.	1.4	131
2	Guided Local Search for the Vehicle Routing Problem with Time Windows. , 1999, , 473-486.		49
3	Benders Decomposition for the Design of a Hub and Shuttle Public Transit System. Transportation Science, 2019, 53, 77-88.	4.4	48
4	The systems integration problem. International Journal of Geographical Information Science, 1994, 8, 1-12.	4.8	47
5	Title is missing!. Constraints, 2000, 5, 389-414.	0.7	46
6	Calculating curly arrows from ab initio wavefunctions. Nature Communications, 2018, 9, 1436.	12.8	23
7	CP Methods for Scheduling and Routing with Time-Dependent Task Costs. Lecture Notes in Computer Science, 2013, , 111-127.	1.3	18
8	Scheduling patrol boats and crews for the Royal Australian Navy. Journal of the Operational Research Society, 2007, 58, 1284-1293.	3.4	17
9	AN AUTOMATED ITINERARY PLANNING SYSTEM FOR HOLIDAY TRAVEL. Information Technology and Tourism, 2003, 6, 195-210.	5.8	16
10	Vehicle Routing. Foundations of Artificial Intelligence, 2006, 2, 801-836.	0.9	16
11	CP methods for scheduling and routing with time-dependent task costs. EURO Journal on Computational Optimization, 2014, 2, 147-194.	2.4	12
12	Static and Dynamic Order Scheduling for Recreational Rental Vehicles at Tourism Holdings Limited. Interfaces, 2007, 37, 334-341.	1.5	11
13	A Study of Proxies for Shapley Allocations of Transport Costs. Journal of Artificial Intelligence Research, 0, 56, 573-611.	7.0	11
14	Electronic transitions of molecules: vibrating Lewis structures. Chemical Science, 2019, 10, 6809-6814.	7.4	10
15	Dynamic scheduling of recreational rental vehicles with revenue management extensions. Journal of the Operational Research Society, 2010, 61, 1133-1143.	3.4	9
16	Fleet design optimisation from historical data using constraint programming and large neighbourhood search. Constraints, 2016, 21, 2-21.	0.7	9
17	Joint Vehicle and Crew Routing and Scheduling. Lecture Notes in Computer Science, 2015, , 654-670.	1.3	7
18	Joint Vehicle and Crew Routing and Scheduling. Transportation Science, 2020, 54, 488-511.	4.4	7

#	ARTICLE	IF	CITATIONS
19	A Benders Decomposition Approach for an Integrated Bin Allocation and Vehicle Routing Problem in Municipal Waste Management. Communications in Computer and Information Science, 2021, , 3-18.	0.5	6
20	Vehicle routing problems with deliveries split over days. Journal on Vehicle Routing Algorithms, 2018, 1, 1-17.	1.5	5
21	A column-generation-based approach to fleet design problems mixing owned and hired vehicles. International Transactions in Operational Research, 2020, 27, 899-923.	2.7	5
22	dMap. , 2014, , .		3
23	Approximation of the Shapley value for the Euclidean travelling salesman game. Annals of Operations Research, 2020, 289, 341-362.	4.1	3
24	Decision Support System for a Real-Time Field Service Engineer Scheduling Problem with Emergencies and Collaborations. Transportation Research Record, 2015, 2497, 117-123.	1.9	2
25	Constraint-Based Fleet Design Optimisation for Multi-compartment Split-Delivery Rich Vehicle Routing. Lecture Notes in Computer Science, 2017, , 414-430.	1.3	1
26	A simplified financial transmission rights auction in the context of the New Zealand electricity grid. ANZIAM Journal, 0, 54, 83.	0.0	1
27	Planning Habitat Restoration with Genetic Algorithms. , 2016, , .		0
28	A model-based genetic algorithm framework for constrained optimisation problems. , 2017, , .		0
29	Linear Complexity Algorithms for Visually Appealing Routes in the Vehicle Routing Problem. Lecture Notes in Management and Industrial Engineering, 2021, , 81-98.	0.4	0