List of Publications by Year in descending order

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		145106	111975
129	4,753	33	67
papers	citations	h-index	g-index
132	132	132	2618
all docs	docs citations	times ranked	citing authors

LIDO K HADILINKOSKI

#	Article	IF	CITATIONS
1	Integration of maintenance scheduling and planning for large-scale asset fleets. Optimization and Engineering, 2022, 23, 1255-1287.	1.3	3
2	Surrogateâ€based optimization of a periodic rescheduling algorithm. AICHE Journal, 2022, 68, .	1.8	2
3	A holistic MILP model for scheduling and inventory management of a multiproduct oil distribution system. Omega, 2021, 98, 102110.	3.6	18
4	Modeling and Analysis of Organic Waste Management Systems in Centralized and Decentralized Supply Chains Using Generalized Disjunctive Programming. Industrial & Engineering Chemistry Research, 2021, 60, 1719-1745.	1.8	6
5	On the fitting of bathtub-shaped failure models to lifetime data for selective maintenance optimization. Computer Aided Chemical Engineering, 2021, , 605-610.	0.3	1
6	Stochastic short-term integrated electricity procurement and production scheduling for a large consumer. Computers and Chemical Engineering, 2021, 145, 107191.	2.0	15
7	A rolling horizon approach for scheduling of multiproduct batch production and maintenance using generalized disjunctive programming models. Computers and Chemical Engineering, 2021, 148, 107268.	2.0	7
8	Dynamic Process Intensification via Data-Driven Dynamic Optimization: Concept and Application to Ternary Distillation. Industrial & Engineering Chemistry Research, 2021, 60, 10265-10275.	1.8	1
9	Efficient formulation for transportation scheduling of single refinery multiproduct pipelines. European Journal of Operational Research, 2021, 293, 731-747.	3.5	7
10	Continuousâ€ŧime scheduling formulation for multipurpose batch plants. AICHE Journal, 2020, 66, e16804.	1.8	9
11	Synergistic and Intelligent Process Optimization: First Results and Open Challenges. Industrial & Engineering Chemistry Research, 2020, 59, 16684-16694.	1.8	4
12	Large-scale selective maintenance optimization using bathtub-shaped failure rates. Computers and Chemical Engineering, 2020, 139, 106876.	2.0	16
13	Data-Driven Approach to Grade Change Scheduling Optimization in a Paper Machine. Industrial & Engineering Chemistry Research, 2020, 59, 8281-8294.	1.8	4
14	Industrial Demand Side Management of a Steel Plant Considering Alternative Power Modes and Electrode Replacement. Industrial & Engineering Chemistry Research, 2020, 59, 13642-13656.	1.8	23
15	Reinforcement learning of adaptive online rescheduling timing and computing time allocation. Computers and Chemical Engineering, 2020, 141, 106994.	2.0	14
16	Optimal production and maintenance scheduling for a multiproduct batch plant considering degradation. Computers and Chemical Engineering, 2020, 135, 106734.	2.0	9
17	Performance analysis of waste-to-energy technologies for sustainable energy generation in	2.0	27
18	Optimal Maintenance for Degrading Assets in the Context of Asset Fleets-A Case Study. Frontiers in Applied Mathematics and Statistics, 2020, 6, .	0.7	2

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19	Short-term Multiproduct Batch Scheduling Considering Storage Features. IFAC-PapersOnLine, 2020, 53, 11794-11799.	0.5	2
20	The impact of sustainable supply chain on waste-to-energy operations. Computer Aided Chemical Engineering, 2019, 46, 1147-1152.	0.3	3
21	Short-term Scheduling of a Multipurpose Batch Plant Considering Degradation Effects. Computer Aided Chemical Engineering, 2019, , 1213-1218.	0.3	4
22	A non-uniform grid approach for scheduling considering electricity load tracking and future load prediction. Computers and Chemical Engineering, 2019, 129, 106506.	2.0	12
23	An Explicit Online Resource-Task Network Scheduling Formulation to Avoid Scheduling Nervousness. Computer Aided Chemical Engineering, 2019, 46, 61-66.	0.3	3
24	Optimal Maintenance Scheduling for Washing of Compressors to Increase Operational Efficiency. Computer Aided Chemical Engineering, 2019, 46, 1321-1326.	0.3	3
25	Single Reference Grid Continuous-Time Formulation for Batch Scheduling. IFAC-PapersOnLine, 2019, 52, 832-837.	0.5	1
26	Incorporation of parameter prediction models of different fidelity into job shop scheduling. IFAC-PapersOnLine, 2019, 52, 142-147.	0.5	1
27	A Multi-Echelon Supply Chain Model for Sustainable Electricity Generation from Municipal Solid Waste. IFAC-PapersOnLine, 2019, 52, 610-615.	0.5	4
28	Demand Side Management Scheduling Formulation for a Steel Plant Considering Electrode Degradation. IFAC-PapersOnLine, 2019, 52, 691-696.	0.5	10
29	Process as Energy Storage. IFAC-PapersOnLine, 2019, 52, 952-957.	0.5	0
30	Integration of production scheduling and energy-cost optimization using Mean Value Cross Decomposition. Computers and Chemical Engineering, 2019, 129, 106436.	2.0	18
31	Discrete and continuous-time formulations for dealing with break periods: Preemptive and non-preemptive scheduling. European Journal of Operational Research, 2019, 278, 563-577.	3.5	20
32	Process Systems Engineering: Academic and industrial perspectives. Computers and Chemical Engineering, 2019, 126, 474-484.	2.0	45
33	Decision-making of online rescheduling procedures using neuroevolution of augmenting topologies. Computer Aided Chemical Engineering, 2019, 46, 1177-1182.	0.3	3
34	An MILP Approach for Short-term Scheduling of Batch Operations. Computer Aided Chemical Engineering, 2019, 46, 649-654.	0.3	0
35	Optimal planning of municipal solid waste management systems in an integrated supply chain network. Computers and Chemical Engineering, 2019, 123, 155-169.	2.0	68
36	Sustainable supply chain network design for the optimal utilization of municipal solid waste. AICHE Journal, 2019, 65, e16464.	1.8	14

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37	Integrating operations and control: A perspective and roadmap for future research. Computers and Chemical Engineering, 2018, 115, 179-184.	2.0	50
38	Demand Response of Ancillary Service From Industrial Loads Coordinated With Energy Storage. IEEE Transactions on Power Systems, 2018, 33, 951-961.	4.6	98
39	The impact of digitalization on the future of control and operations. Computers and Chemical Engineering, 2018, 114, 122-129.	2.0	98
40	Expanding RTN discrete-time scheduling formulations to preemptive tasks. Computer Aided Chemical Engineering, 2018, 44, 1225-1230.	0.3	3
41	A heuristic neighbourhood search-based algorithm for the solution of resource-task network scheduling problems. Computer Aided Chemical Engineering, 2018, 43, 907-912.	0.3	1
42	Optimal planning of a waste management supply chain. Computer Aided Chemical Engineering, 2018, 44, 1609-1614.	0.3	5
43	Industrial Demand Side Management Formulation for Simultaneous Electricity Load Commitment and Future Load Prediction. Computer Aided Chemical Engineering, 2018, , 1237-1242.	0.3	0
44	Cost-Effective Scheduling of Steel Plants With Flexible EAFs. IEEE Transactions on Smart Grid, 2017, 8, 239-249.	6.2	53
45	Optimization of multipurpose process plant operations: A multi-time-scale maintenance and production scheduling approach. Computers and Chemical Engineering, 2017, 99, 325-339.	2.0	39
46	Industrial scheduling solution based on flexible heuristics. Computers and Chemical Engineering, 2017, 106, 883-891.	2.0	3
47	Integrating Energy Optimization and Production Scheduling in Energy-Intensive Industries. , 2017, , 601-620.		2
48	Dynamic models and fault diagnosisâ€based triggers for closedâ€loop scheduling. AICHE Journal, 2017, 63, 1959-1973.	1.8	16
49	Moving horizon closedâ€loop production scheduling using dynamic process models. AICHE Journal, 2017, 63, 639-651.	1.8	77
50	Implementation of an integrated production and electricity optimization system in melt shop. Journal of Cleaner Production, 2017, 155, 39-46.	4.6	21
51	Future of control and operations in the era of industrial internet of things. Computer Aided Chemical Engineering, 2017, , 2275-2280.	0.3	4
52	Configurable Scheduling Solution using Flexible Heuristics. Computer Aided Chemical Engineering, 2016, , 2361-2366.	0.3	2
53	A Framework for Integrated Scheduling and Control using Discrete-Time Dynamic Process Models. Computer Aided Chemical Engineering, 2016, 38, 601-606.	0.3	6
54	Deploying scheduling solutions in an industrial environment. Computers and Chemical Engineering, 2016, 91, 127-135.	2.0	32

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55	Moving Horizon Scheduling of an Air Separation Unit under Fast-Changing Energy Prices. IFAC-PapersOnLine, 2016, 49, 681-686.	0.5	13
56	KPIs as the interface between scheduling and control. IFAC-PapersOnLine, 2016, 49, 687-692.	0.5	18
57	Integration of Energy-cost Optimization and Production Scheduling Using Multiparametric Programming. Computer Aided Chemical Engineering, 2016, 38, 559-564.	0.3	5
58	Model predictive control of industrial loads and energy storage for demand response. , 2016, , .		21
59	Computational approaches for efficient scheduling of steel plants as demand response resource. , 2016, , .		7
60	Handling input dynamics in integrated scheduling and control. , 2016, , .		1
61	An Improved Energy-Awareness Formulation for General Precedence Continuous-Time Scheduling Models. Industrial & Engineering Chemistry Research, 2016, 55, 1336-1346.	1.8	13
62	Optimal Process Operations in Fast-Changing Electricity Markets: Framework for Scheduling with Low-Order Dynamic Models and an Air Separation Application. Industrial & Engineering Chemistry Research, 2016, 55, 4562-4584.	1.8	125
63	Integrating Production Control and Scheduling in Multisite Enterprises on the Basis of Real-Time Detection of Divergence. Industrial & Engineering Chemistry Research, 2016, 55, 5681-5695.	1.8	1
64	Industrial Tools and Needs. , 2016, , 415-438.		1
65	Industrial demand response by steel plants with spinning reserve provision. , 2015, , .		26
66	Integrated production scheduling and model predictive control of continuous processes. AICHE Journal, 2015, 61, 4179-4190.	1.8	56
67	Industrial perspectives on the deployment of scheduling solutions. Computer Aided Chemical Engineering, 2015, 37, 63-70.	0.3	4
68	Tighter Integration of Maintenance and Production in Short-term Scheduling of Multipurpose Process Plants. Computer Aided Chemical Engineering, 2015, 37, 1937-1942.	0.3	6
69	A time scale-bridging approach for integrating production scheduling and process control. Computers and Chemical Engineering, 2015, 79, 59-69.	2.0	100
70	Optimization of steel production scheduling with complex time-sensitive electricity cost. Computers and Chemical Engineering, 2015, 76, 117-136.	2.0	121
71	Integrating Control and Scheduling based on Real-Time Detection of Divergence. Computer Aided Chemical Engineering, 2015, , 1943-1948.	0.3	0
72	A Mean Value Cross Decomposition Strategy for Demand-side Management of a Pulping Process. Computer Aided Chemical Engineering, 2015, 37, 1931-1936.	0.3	15

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73	Scheduling and energy – Industrial challenges and opportunities. Computers and Chemical Engineering, 2015, 72, 183-198.	2.0	131
74	Sharing Data for Production Scheduling Using the ISA-95 Standard. Frontiers in Energy Research, 2014, 2, .	1.2	19
75	Integration of Scheduling and Control Using Internal Coupling Models. Computer Aided Chemical Engineering, 2014, , 529-534.	0.3	7
76	Steel Production Scheduling Optimization under Time-sensitive Electricity Costs. Computer Aided Chemical Engineering, 2014, 33, 373-378.	0.3	11
77	Scheduling multiple factory cranes on a common track. Computers and Operations Research, 2014, 48, 102-112.	2.4	31
78	Optimal supply chain design and management over a multi-period horizon under demand uncertainty. Part II: A Lagrangean decomposition algorithm. Computers and Chemical Engineering, 2014, 62, 211-224.	2.0	13
79	Optimal supply chain design and management over a multi-period horizon under demand uncertainty. Part I: MINLP and MILP models. Computers and Chemical Engineering, 2014, 62, 194-210.	2.0	33
80	Integrated production scheduling and process control: A systematic review. Computers and Chemical Engineering, 2014, 71, 377-390.	2.0	189
81	Scope for industrial applications of production scheduling models and solution methods. Computers and Chemical Engineering, 2014, 62, 161-193.	2.0	411
82	Modeling, Simulation, and Optimization in the Process and Commodities Industries. , 2014, , 11-21.		0
83	Integration of Scheduling and ISA-95. Computer Aided Chemical Engineering, 2014, 33, 427-432.	0.3	1
84	Resource–Task Network Formulations for Industrial Demand Side Management of a Steel Plant. Industrial & Engineering Chemistry Research, 2013, 52, 13046-13058.	1.8	121
85	Continuous-time Batch Scheduling Approach for Optimizing Electricity Consumption Cost. Computer Aided Chemical Engineering, 2013, , 403-408.	0.3	16
86	Resource-Task Network Based Approach for Industrial Demand Side Management of Steel Production. Computer Aided Chemical Engineering, 2013, , 259-264.	0.3	1
87	An innovative scheduling coordination method for improved productivity and energy efficiency of a large-scale integrated steel plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 250-255.	0.4	2
88	A new heuristic for plant-wide schedule coordination problems: The intersection coordination heuristic. Computers and Chemical Engineering, 2012, 42, 152-167.	2.0	20
89	Optimal operation: Scheduling, advanced control and their integration. Computers and Chemical Engineering, 2012, 47, 121-133.	2.0	135
90	Optimal Energy Management and Production Scheduling. Computer Aided Chemical Engineering, 2012, 30, 332-336.	0.3	2

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91	Planning and Scheduling as a Part of a Control System - Implementation Aspects. Computer Aided Chemical Engineering, 2012, , 1110-1114.	0.3	2
92	Production Optimization and Scheduling across a Steel Plant. Computer Aided Chemical Engineering, 2011, , 920-924.	0.3	1
93	Production Optimization and Scheduling in a Steel Plant: Hot Rolling Mill. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11750-11754.	0.4	5
94	Greedy algorithm for scheduling batch plants with sequenceâ€dependent changeovers. AICHE Journal, 2011, 57, 373-387.	1.8	27
95	Optimal scheduling of continuous plants with energy constraints. Computers and Chemical Engineering, 2011, 35, 372-387.	2.0	62
96	Effective Decomposition Algorithm for Multistage Batch Plant Scheduling. Computer Aided Chemical Engineering, 2010, 28, 475-480.	0.3	1
97	Rolling-Horizon Algorithm for Scheduling under Time-Dependent Utility Pricing and Availability. Computer Aided Chemical Engineering, 2010, 28, 1171-1176.	0.3	11
98	Integration of scheduling and control—Theory or practice?. Computers and Chemical Engineering, 2009, 33, 1909-1918.	2.0	132
99	Optimal Short-Term Scheduling of Large-Scale Multistage Batch Plants. Industrial & Engineering Chemistry Research, 2009, 48, 11002-11016.	1.8	45
100	New Continuous-Time Scheduling Formulation for Continuous Plants under Variable Electricity Cost. Industrial & Engineering Chemistry Research, 2009, 48, 6701-6714.	1.8	97
101	Flexible and Configurable Steel Plant Scheduling System. Computer Aided Chemical Engineering, 2009, , 1623-1628.	0.3	1
102	Optimal Scheduling Under Variable Electricity Pricing and Availability. Computer Aided Chemical Engineering, 2009, 27, 1695-1700.	0.3	0
103	Produktionsoptimierung. Automatisierungstechnik, 2008, 56, 061-063.	0.4	0
104	QualitÃæbasierte Schnittplanoptimierung in der Papierindustrie (Quality-based Retrimming in the) Tj ETQq0 0 0	rgBT /Ovei 0.4	lock 10 Tf 50
105	Flexible and configurable MILP-models for meltshop scheduling optimization. Computer Aided Chemical Engineering, 2008, , 677-682.	0.3	13
106	Simultaneous scheduling and optimization of a copper plant. Computer Aided Chemical Engineering, 2006, 21, 1197-1202.	0.3	9
107	A novel solution approach for quality-based retrimming optimization. Computer Aided Chemical Engineering, 2006, , 1395-1400.	0.3	0
108	Production optimization for continuously operated processes with optimal operation and scheduling of multiple units. Computers and Chemical Engineering, 2006, 30, 392-406.	2.0	38

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109	A simultaneous optimization approach for off-line blending and scheduling of oil-refinery operations. Computers and Chemical Engineering, 2006, 30, 614-634.	2.0	159
110	State-of-the-art review of optimization methods for short-term scheduling of batch processes. Computers and Chemical Engineering, 2006, 30, 913-946.	2.0	675
111	Efficient MILP-based solution strategies for large-scale industrial batch scheduling problems. Computer Aided Chemical Engineering, 2006, , 2231-2236.	0.3	5
112	Production campaign planning including grade transition sequencing and dynamic optimization. Computers and Chemical Engineering, 2005, 29, 2163-2179.	2.0	85
113	Solving a large-scale industrial scheduling problem using MILP combined with a heuristic procedure. European Journal of Operational Research, 2002, 138, 29-42.	3.5	30
114	Decomposition techniques for multistage scheduling problems using mixed-integer and constraint programming methods. Computers and Chemical Engineering, 2002, 26, 1533-1552.	2.0	183
115	Combined MILP-constraint programming approach for the optimal scheduling of multistage batch processes. Computer Aided Chemical Engineering, 2001, , 877-882.	0.3	3
116	A decomposition approach for the scheduling of a steel plant production. Computers and Chemical Engineering, 2001, 25, 1647-1660.	2.0	175
117	Hybrid mixed-integer/constraint logic programming strategies for solving scheduling and combinatorial optimization problems. Computers and Chemical Engineering, 2000, 24, 337-343.	2.0	47
118	Convexification of different classes of non-convex MINLP problems. Computers and Chemical Engineering, 1999, 23, 439-448.	2.0	75
119	Numerical and environmental considerations on a complex industrial mixed integer non-linear programming (MINLP) problem. Computers and Chemical Engineering, 1999, 23, 1545-1561.	2.0	35
120	Exploring the convex transformations for solving non-convex bilinear integer problems. Computers and Chemical Engineering, 1999, 23, S471-S474.	2.0	1
121	A short-term scheduling problem in the paper-converting industry. Computers and Chemical Engineering, 1999, 23, S871-S874.	2.0	6
122	Solving a two-dimensional trim-loss problem with MILP. European Journal of Operational Research, 1998, 104, 572-581.	3.5	11
123	Different transformations for solving non-convex trim-loss problems by MINLP. European Journal of Operational Research, 1998, 105, 594-603.	3.5	73
124	An extended cutting plane method for a class of non-convex MINLP problems. Computers and Chemical Engineering, 1998, 22, 357-365.	2.0	86
125	Solving a production optimization problem in a paper-converting mill with MILP. Computers and Chemical Engineering, 1998, 22, 563-570.	2.0	28
126	Different formulations for solving trim loss problems in a paper-converting mill with ILP. Computers and Chemical Engineering, 1996, 20, S121-S126.	2.0	38

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127	Comparison of different MINLP methods applied on certain chemical engineering problems. Computers and Chemical Engineering, 1996, 20, S333-S338.	2.0	13
128	MILP Optimization Models for Short-term Scheduling of Batch Processes. , 0, , 163-184.		4
129	Factory Crane Scheduling by Dynamic Programming. , 0, , .		6