Aldo Vecchietti

List of Publications by Year
in descending order

28 papers	430 citations	933447 10 h-index	713466 21 g-index
28 all docs	28 docs citations	28 times ranked	373 citing authors

#	Article	IF	Citations
1	Modeling of discrete/continuous optimization problems: characterization and formulation of disjunctions and their relaxations. Computers and Chemical Engineering, 2003, 27, 433-448.	3.8	132
2	logmip: a disjunctive 0â€"1 non-linear optimizer for process system models. Computers and Chemical Engineering, 1999, 23, 555-565.	3.8	63
3	Modeling issues and implementation of language for disjunctive programming. Computers and Chemical Engineering, 2000, 24, 2143-2155.	3.8	50
4	An optimization approach for long term investments planning in energy. Applied Energy, 2014, 122, 162-178.	10.1	26
5	A systemic approach to define and characterize Advanced Planning Systems (APS). Computers and Industrial Engineering, 2015, 90, 326-338.	6.3	25
6	Influence of raw material moisture on the synthesis of black tea production process. Journal of Food Engineering, 2016, 173, 76-84.	5.2	18
7	Enterprise optimization for solving an assignment and trim-loss non-convex problem. Computers and Chemical Engineering, 2008, 32, 2812-2822.	3.8	15
8	Inventory and delivery optimization under seasonal demand in the supply chain. Computers and Chemical Engineering, 2010, 34, 1705-1718.	3.8	13
9	Generalized disjunctive programming model for the multi-period production planning optimization: An application in a polyurethane foam manufacturing plant. Computers and Chemical Engineering, 2017, 103, 69-80.	3.8	12
10	Investment in the energy sector: An optimization model that contemplates several uncertain parameters. Energy, 2017, 138, 831-845.	8.8	10
11	Logical and Generalized Disjunctive Programming for Supplier and Contract Selection under Provision Uncertainty. Industrial & Engineering Chemistry Research, 2009, 48, 5506-5521.	3.7	9
12	A comparative assessment of linearization methods for bilinear models. Computers and Chemical Engineering, 2013, 48, 218-233.	3.8	8
13	Optimal design of ethylene and propylene coproduction plants with generalized disjunctive programming and state equipment network models. Computers and Chemical Engineering, 2021, 149, 107295.	3.8	8
14	Investment planning in energy considering economic and environmental objectives. Computers and Chemical Engineering, 2015, 72, 222-232.	3.8	6
15	Fermentable sugars from Eucalyptus globulus: Process optimization. Computers and Chemical Engineering, 2016, 93, 343-352.	3.8	5
16	Mid-term planning optimization model with sales contracts under demand uncertainty. Computers and Chemical Engineering, 2012, 47, 227-236.	3.8	4
17	Integrated Planning and Scheduling with Due Dates in the Corrugated Board Boxes Industry. Industrial & Engineering Chemistry Research, 2013, 52, 847-860.	3.7	4
18	Forest Supply Chain Optimization applying Generalized Disjunctive Programming. Computer Aided Chemical Engineering, 2016, 38, 709-714.	0.5	4

#	Article	IF	Citations
19	Modeling the Thermochemical Pretreatment of *Eucalyptus globulus* for Bioethanol Production. Industrial & Engineering Chemistry Research, 2018, 57, 12458-12467.	3.7	4
20	A possibilistic model for production planning with uncertain demand. European Journal of Industrial Engineering, 2020, 14, 743.	0.8	4
21	Simultaneous optimization of production planning and inventory management of polyurethane foam plant. Optimization and Engineering, 2018, 19, 97-123.	2.4	3
22	Agile operational research. Journal of the Operational Research Society, 2020, , 1-15.	3.4	3
23	Multicriteria Optimization Model for Supply Process Problem under Provision and Demand Uncertainty. Industrial & Engineering Chemistry Research, 2011, 50, 10630-10642.	3.7	2
24	Fuzzy Programming Model for Procurement Management under Delivery Shortage. Industrial & Engineering Chemistry Research, 2015, 54, 4616-4624.	3.7	1
25	Analysis, design and development of advanced planning systems. International Journal of Industrial and Systems Engineering, 2020, 36, 361.	0.2	1
26	Optimizing the Energy Production Infrastructure Considering Uncertainty in Fossil Resource Availability. Industrial & Engineering Chemistry Research, 2014, 53, 16984-17001.	3.7	0
27	â€œrsppfpâ€ An R package for the shortest path problem with forbidden paths. SoftwareX, 2019, 9, 265-270.	2.6	0
28	A disjunctive model to analyze and redefine the logistic of replenishing goods of retailing stores. Optimization and Engineering, 0, , 1.	2.4	0