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An explicit solution to the multi-level programming problem

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372	Coordination of a multidivisional organization through two levels of management. **1983**, 11, 457-468		84
371	Optimization for design problems having more than one objective. *Computers and Chemical Engineering*, **1983**, 7, 259-278	4	84
370	A solution method for the static constrained Stackelberg problem via penalty method. *IEEE Transactions on Automatic Control*, **1984**, 29, 1111-1114	5.9	93
369	Optimality conditions for the bilevel programming problem. **1984**, 31, 13-26		122
368	Objective function bounds for the inexact linear programming problem with generalized cost coefficients. *Computers and Operations Research*, **1985**, 12, 483-491	4.6	10
367	Geometric and algorithmic developments for a hierarchical planning problem. *European Journal of Operational Research*, **1985**, 19, 372-383	5.6	20
366	The polynomial hierarchy and a simple model for competitive analysis. **1985**, 32, 146-164		238
365	A bilevel programming algorithm for exact solution of the network design problem with user-optimal flows. **1986**, 20, 259-265		122
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362	Existence theorems of equilibrium points in stackelberg. *Optimization*, **1987**, 18, 857-866	1.2	65
361	Nondifferentiable reverse convex programs and facetial convexity cuts via a disjunctive characterization. **1987**, 37, 169-183		24
360	A Linear bilevel programming algorithm based on bicriteria programming. *Computers and Operations Research*, **1987**, 14, 173-179	4.6	46
359	THE CORE OF A SPATIAL PRICE EQUILIBRIUM GAME*. **1987**, 27, 369-389		4
358	A note on the optimality conditions for the bilevel programming problem. **1988**, 35, 413-418		36
357	Toward developing a national transportation planning model: A bilevel programming approach for Korea. **1988**, 22, 65-80		22
356	Convex two-level optimization. **1988**, 40-40, 15-27		148

355	Scheduling flow-shops with parallel machines and finite in-process buffers by multilevel programming. **1988**, 691-700		3
354	·		7
353	A note on a linear bilevel programming algorithm based on bicriteria programming. *Computers and Operations Research*, **1989**, 16, 79-83	4.6	27
352	On the structure and properties of a linear multilevel programming problem. **1989**, 60, 353-373		30
351	A theoretical approximation scheme for Stackelberg problems. **1989**, 61, 95-110		43
350	New results on approximate solution in two-level optimization. *Optimization*, **1989**, 20, 819-836	1.2	72
349	Comparative Branch and Bound Algorithm for Solving the Three Level Hierarchical Optimization Problem. **1989**, 22, 209-213		
348	Multi-criteria Decision Making Problems with Bi-level Multiagent. **1989**, 22, 275-279		
347	Bibliography. **1989**, 203-222		
346	Production planning with variable demand. **1990**, 18, 35-42		7
345	Algorithms for solving the mixed integer two-level linear programming problem. *Computers and Operations Research*, **1990**, 17, 133-142	4.6	72
344	Derivative evaluation and computational experience with large bilevel mathematical programs. **1990**, 65, 485-499		57
343	Time-axis decomposition of large-scale optimal control problems. **1990**, 67, 259-277		4
342	Using branch-and-bound to solve bi-level geometric programming problems: A new optimization model. **1990**, 14, 271-274		4
341	Bilevel programming for steady-state chemical process design Fundamentals and algorithms. *Computers and Chemical Engineering*, **1990**, 14, 87-97	4	63
340	A Branch and Bound Algorithm for the Bilevel Programming Problem. **1990**, 11, 281-292		250
339	Computation of cooperative and Stackelberg solutions when players are described by linear programs. **1991**, 285-292		
338	A nonconvex, piecewise linear optimization problem. **1991**, 21, 77-85		3

337	. **1991**, 21, 83-89		74
336	Multi-level programming and conflict resolution. *European Journal of Operational Research*, **1991**, 51, 233-247	5.6	71
335	A necessary and a sufficient optimality condition for bilevel programming problems. *Optimization*, **1992**, 25, 341-354	1.2	86
334	New Branch-and-Bound Rules for Linear Bilevel Programming. **1992**, 13, 1194-1217		383
333	. *IEEE Transactions on Automatic Control*, **1992**, 37, 1451-1456	5.9	28
332	Efficient solutions for the linear bilevel programming problem. *European Journal of Operational Research*, **1992**, 62, 354-362	5.6	32
331	Hierarchical optimization: An introduction. **1992**, 34, 1-11		118
330	The computational complexity of multi-level linear programs. **1992**, 34, 13-19		26
329	Double penalty method for bilevel optimization problems. **1992**, 34, 73-88		57
328	Global optimization of concave functions subject to quadratic constraints: An application in nonlinear bilevel programming. **1992**, 34, 125-147		57
327	An algorithm for the mixed-integer nonlinear bilevel programming problem. **1992**, 34, 149-162		52
326	A nonlinear bilevel model for analysis of electric utility demand-side planning issues. **1992**, 34, 255-274		37
325	An algorithm for the discrete bilevel programming problem. **1992**, 39, 419-435		98
324	A modified simplex approach for solving bilevel linear programming problems. *European Journal of Operational Research*, **1993**, 67, 126-135	5.6	56
323	Bilevel linear programming. *Computers and Operations Research*, **1993**, 20, 485-501	4.6	125
322	A global optimization approach for the linear two-level program. **1993**, 3, 1-23		70
321	A general descent framework for the monotone variational inequality problem. **1993**, 61, 281-300		53
320	Optimality conditions and an algorithm for linear-quadratic bilevel programs$fr1:1$f:1partially supported by nsfc and madis. this paper was prepared during the first author's visiting universitat de barcelona. he is grateful to the financial support provided by universitat de barcelona. the authors are very grateful to the referees for their valuable suggestions and comments. *Optimization*, **1994**, 31, 127-139	1.2	10

319	.		
318	Bilevel and multilevel programming: A bibliography review. **1994**, 5, 291-306		403
317	A quasiconcave minimization method for solving linear two-level programs. **1994**, 4, 243-263		28
316	Multilevel flow control in telecommunication networks. **1994**, 331, 417-433		1
315	The steepest descent direction for the nonlinear bilevel programming problem. **1994**, 15, 265-272		122
314	Nonlinear integer bilevel programming. *European Journal of Operational Research*, **1994**, 72, 574-587	5.6	23
313	On the solution of quantitative policy analysis models using bi-level programming. **1994**, 28, 179-195		2
312	Genetic algorithm based approach to bi-level linear programming. **1994**, 28, 1-21		113
311	On bilevel programming, Part I: General nonlinear cases. **1995**, 70, 47-72		55
310	Bilevel programming in traffic planning: Models, methods and challenge. **1995**, 7, 381-405		159
309	On a new class of bilevel programming problems and its use for reformulating mixed integer problems. *European Journal of Operational Research*, **1995**, 82, 615-646	5.6	17
308	A multilevel analysis of agricultural credit distribution in East Java, Indonesia. *Computers and Operations Research*, **1995**, 22, 227-236	4.6	3
307	A Coordinate Descent Method for the Bi-level OD Matrix Adjustment Problem. **1995**, 2, 165-179		33
306	Optimality conditions for bilevel programming problems. *Optimization*, **1995**, 33, 9-27	1.2	172
305	The nonlinear bilevel programming problem:formulations,regularity and optimality conditions. *Optimization*, **1995**, 32, 193-209	1.2	112
304	Necessary Conditions for Bilevel Dynamic Optimization Problems. **1995**, 33, 1208-1223		23
303	Fuzzy approach for multi-level programming problems. *Computers and Operations Research*, **1996**, 23, 73-91	4.6	187
302	First-order necessary optimality conditions for general bilevel programming problems. **1996**, 89, 189-219		16

301	Hierarchical optimization: A satisfactory solution. **1996**, 77, 321-335		179
300	A simple Tabu Search method to solve the mixed-integer linear bilevel programming problem. *European Journal of Operational Research*, **1996**, 88, 563-571	5.6	56
299	A hybrid Tabu-ascent algorithm for the linear Bilevel Programming Problem. **1996**, 8, 217-233		55
298	Weak via strong Stackelberg problem: New results. **1996**, 8, 263-287		108
297	Penalty Function Approach to Linear Trilevel Programming. **1997**, 93, 183-197		24
296	Links Between Linear Bilevel and Mixed 0 Programming Problems. **1997**, 93, 273-300		96
295	Dependence of bilevel mathematical programs on irrelevant constraints. *Computers and Operations Research*, **1997**, 24, 1129-1140	4.6	7
294	On the Quasiconcave Bilevel Programming Problem. **1998**, 98, 613-622		32
293	Interactive fuzzy programming for multilevel linear programming problems. **1998**, 36, 71-86		66
292	Stackelberg-Nash equilibrium for multilevel programming with multiple followers using genetic algorithms. **1998**, 36, 79-89		137
291	Practical Bilevel Optimization. *Nonconvex Optimization and Its Applications*, **1998**,		533
290	A New Branch and Bound Method for Bilevel Linear Programs. *Nonconvex Optimization and Its Applications*, **1998**, 231-249		8
289	Interactive fuzzy programming for multi-level linear programs with fuzzy numbers.		
288	Computational Methods Through Genetic Algorithms for Obtaining Stackelberg Solutions to Two-level Mixed Zero-One Programming Problems. **1998**, 10, 751-758		1
287	Interactive Fuzzy Programming for Multi-Level 0-1 Programming Problems through Genetic Algorithms with Double Strings. **1998**, 10, 1118-1128		4
286	Interactive Fuzzy Programming for Two-Level Linear Fractional Programming Problems. **1998**, 10, 513-521		3
285	Interactive Fuzzy Programming for Two-Level Linear Programming Problems with Fuzzy Parameters. **1998**, 10, 338-347		3
284	.		

283	Interactive fuzzy programming for multi-level 0-1 programming problems through genetic algorithms. *European Journal of Operational Research*, **1999**, 114, 580-588	5.6	27
282	Stackelberg Solutions to Multiobjective Two-Level Linear Programming Problems. **1999**, 103, 161-182		54
281	Development of an end-use model for analyzing policy options to reduce greenhouse gas emissions. **1999**, 29, 317-324		23
280	Interactive fuzzy programming for two-level nonconvex programming problems through the revised GENOCOP III. **1999**,		
279	Integer Solutions via Goal Programming to Hierarchical Systems. **2000**, 37, 204-220		
278	Interactive fuzzy programming for multilevel linear programming problems with fuzzy parameters. **2000**, 83, 1-9		0
277	Interactive fuzzy programming for two-level 0-1 programming problems with fuzzy parameters through genetic algorithms. **2000**, 83, 40-49		1
276	Interactive fuzzy programming for two-level linear fractional programming problems with fuzzy parameters. **2000**, 115, 93-103		65
275	Interactive fuzzy programming for two-level linear fractional programming problems with fuzzy parameters. **2000**, 83, 82-90		1
274	Stackelberg Solutions to Two-level Linear Programming Problems with Fuzzy Parameters. **2000**, 12, 185-192		
273	Computational methods for two-level linear programming problems with fuzzy parameters through genetic algorithms.		2
272	Interactive fuzzy programming for multi-level 0-1 programming problems with fuzzy parameters through genetic algorithms. **2001**, 117, 95-111		29
271	Interactive fuzzy programming for two-level linear fractional programming problems. **2001**, 119, 31-40		43
270	Interactive fuzzy programming for two-level linear and linear fractional production and assignment problems: A case study. *European Journal of Operational Research*, **2001**, 135, 142-157	5.6	47
269	Two theorems on multilevel programming problems with dominated objective functions. **2001**, 14, 927-932		1
268	Model and interactive algorithm of bi-level multi-objective decision-making with multiple interconnected decision makers. **2001**, 10, 27-34		50
267	A Mathematical Model and Descent Algorithm for Bilevel Traffic Management. **2002**, 36, 271-291		73
266	A computational method using genetic algorithms for obtaining Stackelberg solutions to two-level linear programming problems. **2002**, 85, 55-62		6

265	Interactive fuzzy programming for two-level nonconvex programming problems with fuzzy parameters through genetic algorithms. **2002**, 127, 185-197		52
264	A partial cooperation model for non-unique linear two-level decision problems. *European Journal of Operational Research*, **2002**, 140, 134-141	5.6	28
263	A decentralized two-level transportation problem in a housing material manufacturer: Interactive fuzzy programming approach. *European Journal of Operational Research*, **2002**, 141, 167-185	5.6	38
262	KKT transformation approach for multi-objective multi-level linear programming problems. *European Journal of Operational Research*, **2002**, 143, 19-31	5.6	35
261	A fuzzy goal programming procedure for solving quadratic bilevel programming problems. **2003**, 18, 529-540		38
260	Computational methods through genetic algorithms for obtaining Stackelberg solutions to two-level integer programming problems. **2003**, 86, 59-66		2
259	Bilevel Programming Approach to Optimizing a Logistic Distribution Network with Balancing Requirements. **2004**, 1894, 188-197		26
258	A PENALTY METHOD FOR SOLVING BILEVEL LINEAR FRACTIONAL/LINEAR PROGRAMMING PROBLEMS. **2004**, 21, 207-224		6
257	Solving linear fractional bilevel programs. **2004**, 32, 143-151		21
256	On the definition of linear bilevel programming solution. **2005**, 160, 169-176		33
255	An extended Kuhn□ucker approach for linear bilevel programming. **2005**, 162, 51-63		92
254	An extended Kth-best approach for linear bilevel programming. **2005**, 164, 843-855		41
253	Simulating the performance of supply chain with various alliances. **2005**, 25, 803-810		9
252	The Kth-Best Approach for Linear Bilevel Multi-follower Programming. **2005**, 33, 563-578		26
251	Global Optimization Method for Solving Mathematical Programs with Linear Complementarity Constraints. **2005**, 124, 467-490		8
250	A Trust-Region Method for Nonlinear Bilevel Programming: Algorithm and Computational Experience. **2005**, 30, 211-227		107
249	COMPUTATIONAL METHODS THROUGH GENETIC ALGORITHMS FOR OBTAINING STACKELBERG SOLUTIONS TO TWO-LEVEL INTEGER PROGRAMMING PROBLEMS. **2005**, 36, 565-579		19
248	An extended Kuhn-Tucker approach for linear bilevel multifollower programming with partial shared variables among followers.		

247	Genetic Algorithms for Solving Linear Bilevel Programming. **2005**,		5
246	A Hybrid Differential Evolution Algorithm for Solving Nonlinear Bilevel Programming with Linear Constraints. **2006**,		22
245	Interactive compensatory fuzzy programming for decentralized multi-level linear programming (DMLLP) problems. **2006**, 157, 3072-3090		24
244	An extended branch and bound algorithm for linear bilevel programming. **2006**, 180, 529-537		36
243	Capacitated plant selection in a decentralized manufacturing environment: A bilevel optimization approach. *European Journal of Operational Research*, **2006**, 169, 97-110	5.6	62
242	Constraint Qualifications and KKT Conditions for Bilevel Programming Problems. **2006**, 31, 811-824		41
241	AN EXTENDED BRANCH AND BOUND ALGORITHM FOR BILEVEL MULTI-FOLLOWER DECISION MAKING IN A REFERENTIAL-UNCOOPERATIVE SITUATION. **2007**, 06, 371-388		23
240	Model and approach of fuzzy bilevel decision making for logistics planning problem. **2007**, 20, 178-197		38
239	. **2007**,		1
238	Stackelberg solutions to stochastic two-level linear programming problems. **2007**,		4
237	Fuzzy goal programming approach to multilevel programming problems. *European Journal of Operational Research*, **2007**, 176, 1151-1166	5.6	106
236	The Kth-best approach for linear bilevel multifollower programming with partial shared variables among followers. **2007**, 188, 1686-1698		13
235	Interactive fuzzy programming for decentralized two-level linear fractional programming (DTLLFP) problems. **2007**, 35, 432-450		35
234	Survivable network design under optimal and heuristic interdiction scenarios. **2007**, 38, 181-199		57
233	A novel approach to Bilevel nonlinear programming. **2007**, 38, 527-554		32
232	Model and extended Kuhn□Tucker approach for bilevel multi-follower decision making in a referential-uncooperative situation. **2007**, 38, 597-608		33
231	Parametric global optimisation for bilevel programming. **2007**, 38, 609-623		96
230	An overview of bilevel optimization. **2007**, 153, 235-256		761

229	An adaptive genetic algorithm for solving bilevel linear programming problem. **2007**, 28, 1605-1612		27
228	Decentralized multi-objective bilevel decision making with fuzzy demands. **2007**, 20, 495-507		55
227	Min-Max Regret Robust Optimization Approach on Interval Data Uncertainty. **2008**, 137, 297-316		37
226	Shortest path network interdiction with asymmetric information. **2008**, 52, 133-140		64
225	Bilevel time minimizing transportation problem. **2008**, 5, 714-723		10
224	A method for solving bilevel linear programming problems. **2008**, 29, 335-338		1
223	Grey bilevel linear programming particle swarm optimization algorithm. **2008**,		
222	An Extended Kth-Best Approach For Referential-Uncooperative Bilevel Multi-Follower Decision Making. **2008**, 1, 205-214		5
221	Interactive Fuzzy Programming for Multi - Level Programming Problems. *Journal of Japan Society for Fuzzy Theory and Intelligent Informatics*, **2009**, 21, 1018-1032	0.1	
220	DC programming techniques for solving a class of nonlinear bilevel programs. **2009**, 44, 313-337		20
219	Solving Bilevel Linear Programs Using Multiple Objective Linear Programming. **2009**, 140, 197-212		28
218	Rule sets based bilevel decision model and algorithm. **2009**, 36, 18-26		13
217	Application of particle swarm optimization algorithm for solving bi-level linear programming problem. **2009**, 58, 678-685		88
216	Bilevel convex programming models. *Optimization*, **2009**, 58, 1009-1028	1.2	14
215	Simulation of a supply chain game with multiple fuzzy goals. **2010**, 161, 1489-1510		12
214	BiLevel programming Data Envelopment Analysis with constrained resource. *European Journal of Operational Research*, **2010**, 207, 856-864	5.6	47
213	Model, solution concept, and Kth-best algorithm for linear trilevel programming. **2010**, 180, 481-492		24
212	A genetic algorithm based goal programming approach to Interval-valued multilevel programming problems. **2010**,		1

211	New Necessary Optimality Conditions for Bilevel Programs by Combining the MPEC and Value Function Approaches. **2010**, 20, 1885-1905		87
210	Bilevel and Multilevel Programming. **2011**, 129-149		
209	. **2011**, 12, 908-919		72
208	AN ALGORITHM FOR SOLVING RULE SETSBASED BILEVEL DECISION PROBLEMS. **2011**, 27, 235-259		4
207	Interactive fuzzy random two-level linear programming through fractile criterion optimization. **2011**, 54, 3153-3163		18
206	A hybrid of genetic algorithm and particle swarm optimization for solving bi-level linear programming problem A case study on supply chain model. **2011**, 35, 3905-3917		127
205	Optimization of transit priority in the transportation network using a decomposition methodology. **2011**, 19, 363-373		58
204	Finding Optimal Strategies in Multi-period Stackelberg Games Using an Evolutionary Framework. **2012**, 45, 33-38		7
203	Fuzzy random bilevel linear programming through expectation optimization using possibility and necessity. **2012**, 3, 183-192		25
202	A New Approach for Solving Linear Bilevel Programming Using Differential Evolution. **2012**,		1
201	Determining a subsidy rate for Taiwan's recycling glass industry: an application of bi-level programming. **2012**, 63, 28-37		10
200	A New Algorithm for Multilevel Optimization Problems Using Evolutionary Strategy, Inspired by Natural Adaptation. *Lecture Notes in Computer Science*, **2012**, 577-588	0.9	4
199	Stackelberg solutions for fuzzy random bilevel linear programming through level sets and probability maximization. **2012**, 12, 271-286		10
198	Stackelberg solutions for fuzzy random two-level linear programming through probability maximization with possibility. **2012**, 188, 45-57		20
197	Stackelberg solutions for random fuzzy two-level linear programming through possibility-based probability model. **2012**, 39, 10898-10903		8
196	An interactive multi-objective algorithm for decentralized decision making in product design. **2012**, 13, 121-150		7
195	Stackelberg solutions for fuzzy random two-level linear programming through level sets and fractile criterion optimization. **2012**, 20, 101-117		12
194	Differential evolution for bilevel programming. **2013**,		34

193	Rough approximation based strategy model between a green building developer and a contractor under a fuzzy environment. **2013**, 46, 54-68		19
192	Green modular design for material efficiency: a leader–follower joint optimization model. *Journal of Cleaner Production*, **2013**, 41, 187-201	10.3	58
191	Bi-level vendor–buyer strategies for a time-varying product price. **2013**, 219, 9670-9680		12
190	Multi-objective Stackelberg game between a regulating authority and a mining company: A case study in environmental economics. **2013**,		48
189	Multi-table Pivoting Algorithms for Solving Linear Bilevel Programming Problems. **2013**,		
188	Semidefinite relaxation for linear programs with equilibrium constraints. **2013**, 20, 201-212		4
187	Application of particle swarm optimization based on CHKS smoothing function for solving nonlinear bilevel programming problem. **2013**, 219, 4332-4339		55
186	Exact Solution Methodologies for Linear and (Mixed) Integer Bilevel Programming. *Studies in Computational Intelligence*, **2013**, 221-245	0.8	6
185	Fuzzy random non-cooperative two-level linear programming through fractile models with possibility and necessity. **2013**, 45, 811-833		6
184	A fuzzy goal programming technique for quadratic multiobjective multilevel programming. **2013**,		
183	Retrofitting Transportation Network Using a Fuzzy Random Multiobjective Bilevel Model to Hedge against Seismic Risk. **2014**, 2014, 1-24		3
182	An improved bilevel evolutionary algorithm based on Quadratic Approximations. **2014**,		37
181	An extended bilevel programming model and its kth-best algorithm for dynamic decision making in emergency situations. **2014**,		
180	A Fuzzy Programming Approach for Bilevel Stochastic Programming. *Advances in Intelligent Systems and Computing*, **2014**, 125-135	0.4	0
179	An exact algorithm for the bilevel mixed integer linear programming problem under three simplifying assumptions. *Computers and Operations Research*, **2014**, 41, 309-318	4.6	60
178	Random fuzzy bilevel linear programming through possibility-based fractile model. **2014**, 5, 499-507		1
177	Branch-and-Sandwich: a deterministic global optimization algorithm for optimistic bilevel programming problems. Part II: Convergence analysis and numerical results. **2014**, 60, 459-481		23
176	Complexity of fuzzy answer set programming under Łukasiewicz semantics. **2014**, 55, 1971-2003		7

175	Differential Evolution assisted by a surrogate model for bilevel programming problems. **2014**,		17
174	Code-Smell Detection as a Bilevel Problem. **2014**, 24, 1-44		45
173	Test problem construction for single-objective bilevel optimization. **2014**, 22, 439-77		62
172	A bilevel optimization approach to automated parameter tuning. **2014**,		19
171	Finding optimal strategies in a multi-period multi-leader-follower Stackelberg game using an evolutionary algorithm. *Computers and Operations Research*, **2014**, 41, 374-385	4.6	87
170	Bilevel and Multilevel Programming. **2014**, 129-149		
169	A Big Data Based Intelligent Decision Support System for Sustainable Regional Development. **2015**,		2
168	Evolutionary multitasking in bi-level optimization. **2015**, 1, 83-95		57
167	A new solution algorithm for solving rule-sets based bilevel decision problems. **2015**, 27, 830-854		0
166	Solving bi-level linear programming problem through hybrid of immune genetic algorithm and particle swarm optimization algorithm. **2015**, 266, 1013-1026		30
165	Uncertain multilevel programming: Algorithm and applications. **2015**, 89, 235-240		46
164	Joint optimization for coordinated configuration of product families and supply chains by a leader-follower Stackelberg game. *European Journal of Operational Research*, **2015**, 246, 263-280	5.6	83
163	A Cutting Plane Approach for Solving Linear Bilevel Programming Problems. *Advances in Intelligent Systems and Computing*, **2015**, 3-13	0.4	
162	A memetic algorithm for solving single objective bilevel optimization problems. **2015**,		9
161	A co-evolutionary decomposition-based algorithm for Bi-Level combinatorial optimization. **2015**,		16
160	Handling inverse optimal control problems using evolutionary bilevel optimization. **2016**,		7
159	A memetic evolutionary algorithm for bi-level combinatorial optimization: A realization between Bi-MDVRP and Bi-CVRP. **2016**,		3
158	Multi objective optimization for UAV navigation equipment test table design. **2016**,		0

157	A differential evolution algorithm for bilevel problems including linear equality constraints. **2016**,		0
156	Solving optimistic bilevel programs by iteratively approximating lower level optimal value function. **2016**,		10
155	Stackelberg-Nash Equilibrium for Integrated Gravelly Soil Excavation-Transportation-Distribution System in a Large-Scale Hydropower Construction Project. **2016**, 30, 04016024		5
154	Bi-Level Decision Making in Random Phenomenon. *Lecture Notes in Economics and Mathematical Systems*, **2016**, 77-197	0.4	
153	Random-Like Bi-level Decision Making. *Lecture Notes in Economics and Mathematical Systems*, **2016**,	0.4	1
152	A solution to bi/tri-level programming problems using particle swarm optimization. **2016**, 370-371, 519-537		31
151	Foundations of Random-Like Bi-Level Decision Making. *Lecture Notes in Economics and Mathematical Systems*, **2016**, 1-75	0.4	1
150	A Stackelberg game theoretic model for optimizing product family architecting with supply chain consideration. **2016**, 172, 1-18		46
149	Multilevel decision-making: A survey. **2016**, 346-347, 463-487		81
148	Capacity expansion of stochastic power generation under two-stage electricity markets. *Computers and Operations Research*, **2016**, 70, 101-114	4.6	20
147	Mixed-integer bilevel optimization for capacity planning with rational markets. *Computers and Chemical Engineering*, **2016**, 86, 33-47	4	32
146	Solving Bilevel Multicriterion Optimization Problems With Lower Level Decision Uncertainty. *IEEE Transactions on Evolutionary Computation*, **2016**, 20, 199-217	15.6	36
145	A Surrogate Assisted Approach for Single-Objective Bilevel Optimization. *IEEE Transactions on Evolutionary Computation*, **2017**, 21, 681-696	15.6	31
144	Basic theoretical foundations and insights on bilevel models and their applications to power systems. **2017**, 254, 303-334		47
143	Subsidy rate decisions for the printer recycling industry by bi-level optimization techniques. **2017**, 17, 901-919		2
142	Handling practicalities in agricultural policy optimization for water quality improvements. **2017**,		1
141	Use of a Non-nested Formulation to Improve Search for Bilevel Optimization. *Lecture Notes in Computer Science*, **2017**, 106-118	0.9	0
140	The Watermelon Algorithm for The Bilevel Integer Linear Programming Problem. **2017**, 27, 1403-1430		16

139	A Co-evolutionary Decomposition-based Chemical Reaction Algorithm for Bi-level Combinatorial Optimization Problems. **2017**, 112, 780-789		7
138	. **2017**,		2
137	Interactive intuitionistic fuzzy methods for multilevel programming problems. **2017**, 72, 258-268		26
136	An Enhanced Memetic Algorithm for Single-Objective Bilevel Optimization Problems. **2017**, 25, 607-642		24
135	Solving discrete linear bilevel optimization problems using the optimal value reformulation. **2017**, 68, 255-277		14
134	Approximated set-valued mapping approach for handling multiobjective bilevel problems. *Computers and Operations Research*, **2017**, 77, 194-209	4.6	16
133	Evolutionary algorithm for bilevel optimization using approximations of the lower level optimal solution mapping. *European Journal of Operational Research*, **2017**, 257, 395-411	5.6	53
132	Price optimization for transportation service procurement with fuzzy random shipments: from shipper perspective. **2017**, 9, 258-275		3
131	A Neurodynamic Optimization Approach to Bilevel Quadratic Programming. **2017**, 28, 2580-2591		53
130	Evolutionary Bilevel Optimization: An Introduction and Recent Advances. **2017**, 71-103		8
129	The Artificial Neural Networks Based on Scalarization Method for a Class of Bilevel Biobjective Programming Problem. **2017**, 2017, 1853131		1
128	A bi-objective partial interdiction problem considering different defensive systems with capacity expansion of facilities under imminent attacks. **2018**, 68, 343-359		42
127	Computing multiobjective Markov chains handled by the extraproximal method. **2018**, 271, 469-486		3
126	A new co-evolutionary decomposition-based algorithm for bi-level combinatorial optimization. **2018**, 48, 2847-2872		14
125	Robust optimal design of energy supply systems under uncertain energy demands based on a mixed-integer linear model. **2018**, 153, 159-169		8
124	A recurrent neural network with finite-time convergence for convex quadratic bilevel programming problems. *Neural Computing and Applications*, **2018**, 30, 3399-3408	4.8	17
123	. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 276-295	15.6	276
122	. **2018**, 19, 380-389		5

121	A bi-level model formulation for the distributed wood supply planning problem. **2018**, 48, 160-171	5
120	An arc interdiction vehicle routing problem with information asymmetry. **2018**, 115, 520-531	5
119	A tri-level location-allocation model for forward/reverse supply chain. **2018**, 62, 328-346	57
118	Efficiently solving linear bilevel programming problems using off-the-shelf optimization software. **2018**, 19, 187-211	32
117	Solving bi-level optimization problems in engineering design using kriging models. **2018**, 50, 856-876	11
116	The Backpropagation Artificial Neural Network Based on Elite Particle Swam Optimization Algorithm for Stochastic Linear Bilevel Programming Problem. **2018**, 2018, 1-9	4
115	. **2018**,	6
114	Uncertainty Handling in Bilevel Optimization for Robust and Reliable Solutions. **2018**, 26, 1-24	2
113	Efficient Global Optimization for Solving Computationally Expensive Bilevel Optimization Problems. **2018**,	2
112	A Novel Solution Approach for Fuzzy Linear Bilevel Multi-follower Programming Problems. **2018**,	
111	A decentralized multi-level decision making model for solid transportation problem with uncertainty. **2018**, 9, 1022-1033	8
110	Hybrid optimizers to solve a tri-level programming model for a tire closed-loop supply chain network design problem. **2018**, 70, 701-722	53
109	Service network design with equilibrium-driven demands. **2018**, 50, 959-969	2
108	A set of efficient heuristics and metaheuristics to solve a two-stage stochastic bi-level decision-making model for the distribution network problem. **2018**, 123, 378-395	56
107	A Novel Cognitively Inspired State Transition Algorithm for Solving the Linear Bi-Level Programming Problem. **2018**, 10, 816-826	17
106	Optimality Conditions for Special Semidefinite Bilevel Optimization Problems. **2018**, 28, 1564-1587	3
105	Joint optimization using a leader-follower Stackelberg game for coordinated configuration of stochastic operational aircraft maintenance routing and maintenance staffing. **2018**, 125, 46-68	21
104	Optimizing Courier Routes in Central Business Districts. **2018**, 325-341	1

103	Using Karush-Kuhn-Tucker proximity measure for solving bilevel optimization problems. **2019**, 44, 496-510		26
102	Evolutionary Bilevel Optimization Based on Covariance Matrix Adaptation. *IEEE Transactions on Evolutionary Computation*, **2019**, 23, 258-272	15.6	13
101	Application of Genetic Algorithm for Solving Bilevel Linear Programming Problems. *Studies in Computational Intelligence*, **2019**, 123-136	0.8	2
100	A multi-product green supply chain under government supervision with price and demand uncertainty. **2019**, 15, 193-206		9
99	Nested evolutionary algorithms for computationally expensive bilevel optimization problems: Variants and their systematic analysis. **2019**, 48, 329-344		9
98	A nested particle swarm algorithm based on sphere mutation to solve bi-level optimization. **2019**, 23, 11331-11341		8
97	Unobservable effort, objective consistency and the efficiencies of the principal and the top management team. **2019**, 70, 1011-1026		
96	Distribution System Expansion Planning Considering Non-Utility-Owned DG and an Independent Distribution System Operator. **2019**, 34, 2588-2597		15
95	Feasibility reduction approach for hierarchical decision making with multiple objectives. **2019**, 6, 100093		5
94	Back to the Roots: Multi-X Evolutionary Computation. **2019**, 11, 1-17		19
93	Data analytics in managing aircraft routing and maintenance staffing with price competition by a Stackelberg-Nash game model. **2019**, 122, 143-168		16
92	Transfer of learning with the co-evolutionary decomposition-based algorithm-II: a realization on the bi-level production-distribution planning system. **2019**, 49, 963-982		1
91	A de-centralized bi-level multi-objective model for integrated production and transportation problems in closed-loop supply chain networks. **2019**, 14, 206-217		11
90	A note on linearized reformulations for a class of bilevel linear integer problems. **2019**, 272, 99-117		19
89	Bi-level programming problem in the supply chain and its solution algorithm. **2020**, 24, 2703-2714		8
88	Enhanced Genetic Algorithm and Chaos Search for Bilevel Programming Problems. *Advances in Intelligent Systems and Computing*, **2020**, 478-487	0.4	
87	Tackling Large-Scale and Combinatorial Bi-Level Problems With a Genetic Programming Hyper-Heuristic. *IEEE Transactions on Evolutionary Computation*, **2020**, 24, 44-56	15.6	13
86	A co-evolutionary hybrid decomposition-based algorithm for bi-level combinatorial optimization problems. **2020**, 24, 7211-7229		1

85	Optimal experimental design for optimal process design: A trilevel optimization formulation. **2020**, 66, e16788		2
84	BASBL: Branch-And-Sandwich BiLevel solver. Implementation and computational study with the BASBLib test set. *Computers and Chemical Engineering*, **2020**, 132, 106609	4	6
83	Bi-level multi-objective model for existing link capacity expansion problem across urban transportation network considering travel time reliability: presenting dynamic particle swarm algorithm. **2020**, 45, 1		3
82	Solving Combinatorial Multi-Objective Bi-Level Optimization Problems Using Multiple Populations and Migration Schemes. **2020**, 8, 141674-141695		10
81	A class of bi-level vector extremum models with hybrid uncertain coefficients and its application to supply chain planning problems. **2020**, 148, 106683		
80	A Dual Recurrent Neural Network-based Hybrid Approach for Solving Convex Quadratic Bi-Level Programming Problem. *Neurocomputing*, **2020**, 407, 136-154	5.4	6
79	On exact solution approaches for bilevel quadratic 0□1 knapsack problem. **2021**, 298, 555-572		2
78	Donation-based relief goods distribution problem. **2021**, 152, 106990		1
77	Solving combinatorial bi-level optimization problems using multiple populations and migration schemes. 1		2
76	Strategic Interactions between Liquefied Natural Gas and Domestic Gas Markets: A Bilevel Model.		
75	Interactive multilevel programming approaches in neutrosophic environments. 1		1
74	On Optimistic and Pessimistic Bilevel Optimization Models for Demand Response Management. **2021**, 14, 2095		4
73	Fuel management operations planning in fire management: A bilevel optimisation approach. **2021**, 137, 105181		1
72	Deep convolutional neural network architecture design as a bi-level optimization problem. *Neurocomputing*, **2021**, 439, 44-62	5.4	14
71	Sustainable modular product architecture design by Bi-level leader-follower joint optimization with switching-based meta-heuristic algorithm. *Journal of Cleaner Production*, **2021**, 306, 127108	10.3	2
70	Mathematical modeling for planning water-food-ecology-energy nexus system under uncertainty: A case study of the Aral Sea Basin. *Journal of Cleaner Production*, **2021**, 308, 127368	10.3	7
69	Data envelopment analysis approaches for two-level production and distribution planning problems. *European Journal of Operational Research*, **2021**, 300, 255-255	5.6	0
68	A reformulation strategy for mixed-integer linear bi-level programming problems. *Computers and Chemical Engineering*, **2021**, 153, 107409	4	1

67	Tensor completion via bilevel minimization with fixed-point constraint to estimate missing elements in noisy data. *Advances in Computational Mathematics*, **2021**, 47, 1	1.6	3
66	Solving Bilevel Optimization Problems Using Kriging Approximations. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	3
65	Optimization of the product service supply chain under the influence of presale services. *Journal of Industrial and Management Optimization*, **2021**,	2	1
64	Encyclopedia of Optimization. **2008**, 228-239		1
63	Encyclopedia of Optimization. **2008**, 2419-2428		1
62	Solution Concepts and an Approximation KuhnTucker Approach for Fuzzy Multiobjective Linear Bilevel Programming. *Springer Optimization and Its Applications*, **2008**, 457-480	0.4	5
61	Algorithms for Network Interdiction and Fortification Games. *Springer Optimization and Its Applications*, **2008**, 609-644	0.4	27
60	Hierarchical Multiobjective Programming an Overview. **1992**, 211-225		1
59	Global Optimization of Bilevel Programming Problems via Parametric Programming. *Nonconvex Optimization and Its Applications*, **2004**, 457-476		8
58	Congested O-D Trip Demand Adjustment Problem: Bilevel Programming Formulation and Optimality Conditions. *Nonconvex Optimization and Its Applications*, **1998**, 1-22		5
57	Complexity Issues in Bilevel Linear Programming. *Nonconvex Optimization and Its Applications*, **1998** , 149-164		40
56	The Computational Complexity of Multi-Level Bottleneck Programming Problems. *Nonconvex Optimization and Its Applications*, **1998**, 165-179		4
55	A Decomposition-Based Global Optimization Approach for Solving Bilevel Linear and Quadratic Programs. *Nonconvex Optimization and Its Applications*, **1996**, 139-162		15
54	Bilevel Optimization: Theory, Algorithms, Applications and a Bibliography. *Springer Optimization and Its Applications*, **2020**, 581-672	0.4	8
53	Regularization and Approximation Methods in Stackelberg Games and Bilevel Optimization. *Springer Optimization and Its Applications*, **2020**, 77-138	0.4	4
52	An Improved Bi-level Multi-objective Evolutionary Algorithm for the Production-Distribution Planning System. *Lecture Notes in Computer Science*, **2020**, 218-229	0.9	2
51	A Fuzzy Multilevel Programming Method for Hierarchical Decision Making. *Lecture Notes in Computer Science*, **2004**, 904-911	0.9	7
50	Fuzzy Linear Bilevel Optimization: Solution Concepts, Approaches and Applications. **2007**, 351-379		15

49	An Approximation Kuhn□Tucker Approach for Fuzzy Linear Bilevel Decision Making. *Studies in Computational Intelligence*, **2008**, 157-171	0.8	1
48	Using Genetic Algorithm for Solving Linear Multilevel Programming Problems via Fuzzy Goal Programming. *Communications in Computer and Information Science*, **2011**, 79-88	0.3	3
47	Two-Level Hierarchical Programming Problem. *Lecture Notes in Economics and Mathematical Systems*, **1983**, 290-299	0.4	4
46	O-D Demand Adjustment Problem with Congestion: Part I. Model Analysis and Optimality Conditions. *Transportation Analysis*, **1996**, 1-27		7
45	An Algorithm to Solve a Two-Level Resource Control Pre-Emptive Hierarchical Programming Problem. **1985**, 353-373		2
44	Fuzzy Multi-objective Approach to the Supply Chain Model. **2002**, 221-234		5
43	Interactive Fuzzy Programming for Multi-Level Nonconvex Nonlinear Programming Problems Through Genetic Algorithms. *Studies in Fuzziness and Soft Computing*, **2001**, 99-116	0.7	3
42	Bi-level Problem and SMD Assessment Delinquent for Single Impartial Bi-level Optimization. *Advances in Intelligent Systems and Computing*, **2017**, 52-62	0.4	1
41	Transactive Energy Systems: The Market-Based Coordination of Distributed Energy Resources. *IEEE Control Systems*, **2020**, 40, 26-52	2.9	13
40	Retailer's Power Procurement Considering Risk from Volatile Market Prices utilizing the Fractile Model in Chance Constraint Problem. *IEEJ Transactions on Electronics, Information and Systems*, **2016**, 136, 732-745	0.1	3
39	A Two-Level Purchase Problem for Food Retailing in Japan. *American Journal of Operations Research*, **2012**, 02, 482-494	0.5	2
38	An Effective Branch-and-cut algorithm in Order to Solve the Mixed Integer Bi-level Programming. *International Journal of Production Management and Engineering*, **2017**, 5, 1	0.4	6
37	A Multifidelity Approach for Bilevel Optimization with Limited Computing Budget. *IEEE Transactions on Evolutionary Computation*, **2021**, 1-1	15.6	
36	Granule Sets Based Bilevel Decision Model. *Lecture Notes in Computer Science*, **2006**, 530-537	0.9	3
35	A Decision Making Model for Vendor-Buyer Inventory Systems. *Lecture Notes in Computer Science*, **2009**, 336-343	0.9	
34	A Relative Robust Optimization Approach for Full Factorial Scenario Design of Data Uncertainty and Ambiguity. *Springer Optimization and Its Applications*, **2009**, 145-174	0.4	
33	A computational method for obtaining Stackelberg solutions to two-level nonlinear programming Problems through particle swarm optimization. *Journal of Japan Society for Fuzzy Theory and Intelligent Informatics*, **2011**, 23, 350-362	0.1	0
32	Research on Allocation of Resource in Manufacturing Grid Based on Bi-level Programming. **2013**, 229-238		

31	Bibliography. **2013**, 229-264		
30	Computational Aspects of the International Coal Trade Model. *Lecture Notes in Economics and Mathematical Systems*, **1985**, 73-117	0.4	
29	Investigating the Use of the Core as a Solution Concept in Spatial Price Equilibrium Games. *Lecture Notes in Economics and Mathematical Systems*, **1985**, 41-72	0.4	3
28	Modeling Equilibria and Risk under Global Environmental Constraints. **1997**, 123-159		
27	Genetic Algorithm for FGP Model of a Multiobjective Bilevel Programming Problem in Uncertain Environment. *Advances in Computational Intelligence and Robotics Book Series*, **2016**, 870-888	0.4	
26	A Chaotic Search-Enhanced Genetic Algorithm for Bilevel Programming Problems. *Studies in Big Data*, **2021**, 129-146	0.9	
25	On StackelbergNash Equilibria in Bilevel Optimization Games. *Springer Optimization and Its Applications*, **2020**, 27-51	0.4	
24	Algorithms for Linear Bilevel Optimization. *Springer Optimization and Its Applications*, **2020**, 293-312	0.4	1
23	Parametric Optimisation: 65 years of developments and status quo. *Springer Theses*, **2020**, 9-45	0.1	
22	BOLIB: Bilevel Optimization LIBrary of Test Problems. *Springer Optimization and Its Applications*, **2020**, 563-580	0.4	4
21	A Service Location Model in a Bi-level Structure. **2021**, 117-133		
20	Encyclopedia of Optimization. **2008**, 225-228		1
19	A highly efficient approach for bi-level programming problems based on dominance determination. *Journal of Computing and Information Science in Engineering*, 1-42	2.4	
18	Designing an optimal contract mechanism in a cellulosic biofuel enterprise. *Optimization Letters*, 1	1.1	0
17	Asymptotic regularity for Lipschitzian nonlinear optimization problems with applications to complementarity constrained and bilevel programming*. *Optimization*, 1-44	1.2	0
16	Strategic interactions between liquefied natural gas and domestic gas markets: A bilevel model. *Computers and Operations Research*, **2022**, 105807	4.6	1
15	Bilevel Linear Programming. **2001**, 137-140		
14	Bilevel Linear Programming: Complexity, Equivalence to Minmax, Concave Programs. **2001**, 140-144		

13	Bilevel Optimization: Feasibility Test and Flexibility Index. **2001**, 144-154		
12	Multilevel Methods For Optimal Design. **2001**, 1618-1627		
11	Bilevel Linear Programming. **2008**, 221-224		
10	Joint design and compression of convolutional neural networks as a Bi-level optimization problem. *Neural Computing and Applications*,	4.8	3
9	Sensitivity-conditioning: Beyond Singular Perturbation for Control Design on Multiple Time Scales. *IEEE Transactions on Automatic Control*, **2022**, 1-1	5.9	0
8	Coordinating aircraft maintenance routing and integrated maintenance staffing and rostering: a Stackelberg game theoretical model. *International Journal of Production Research*, 1-25	7.8	2
7	Solving Dual-Channel Supply Chain Pricing Strategy Problem with Multi-Level Programming Based on Improved Simplified Swarm Optimization. *Technologies*, **2022**, 10, 73	2.4	2
6	Single-leader multi-follower games for the regulation of two-sided mobility-as-a-service markets. *European Journal of Operational Research*, **2022**,	5.6	1
5	Bilevel optimization in flow networks: A message-passing approach. **2022**, 106,		0
4	Optimally Locating Weigh-in-Motion Stations and Truck-Prohibited Roads for Mitigating the Impact of Overweight Trucks. **2023**, 149,		0
3	Quantitative Verification and Design Space Exploration under Uncertainty with Parametric Stochastic Contracts. **2022**,		0
2	Modeling, equilibrium, and demand management for mobility and delivery services in Mobility-as-a-Service ecosystems.		0
1	Bayesian Optimization with Multi-objective Acquisition Function for Bilevel Problems. **2023**, 409-422		0