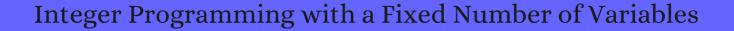
CITATION REPORT List of articles citing



DOI: 10.1287/moor.8.4.538
Mathematics of Operations Research, 1983, 8, 538-548.

Source: https://exaly.com/paper-pdf/16428593/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
954	An appraisal of computational complexity for operations researchers. 1982 , 11, 201-210		1
953	Factorization of polynomials. 1984 , 18, 16-18		3
952	Computing with geometric objects. 1984 , 18, 19-19		1
951	Integer programming and cryptography. 1984 , 6, 14-21		6
950	Cryptanalytic attacks on the multiplicative knapsack cryptosystem and on Shamir's fast signature scheme. 1984 , 30, 594-601		21
949	Variable metric relaxation methods, part II: The ellipsoid method. <i>Mathematical Programming</i> , 1984 , 30, 147-162	2.1	16
948	Linear Congruential Generators Do Not Produce Random Sequences.		9
947	A polynomial-time test for total dual integrality in fixed dimension. 1984 , 64-69		11
946	On LovBz' lattice reduction and the nearest lattice point problem. 1984 , 13-20		28
945	Polynomial algorithms for m $(m + 1)$ integer programs and m $(m + k)$ diophantine systems. 1985 , 3, 289-291		О
944	An integral transformation for integer programming problems. 1985 , 4, 117-119		1
943	The generalized Voronoi-algorithm in totally real algebraic number fields. 1985, 479-486		O
942	The Computational Complexity of Simultaneous Diophantine Approximation Problems. <i>SIAM Journal on Computing</i> , 1985 , 14, 196-209	1.1	114
941	Back Matter. 1986 , 87-91		
940	Testing for optimality in the absence of convexity. 117-134		7
939	Sensitivity theorems in integer linear programming. <i>Mathematical Programming</i> , 1986 , 34, 251-264	2.1	115
938	On Lovਓz[lattice reduction and the nearest lattice point problem. 1986 , 6, 1-13		550

937	On principal ideal testing in totally complex quartic fields and the determination of certain cyclotomic constants. 1987 , 48, 55-55	3
936	Bibliography. 1987 , 632-725	
935	On the complexity of linear programming. 1987 , 225-268	50
934	An application of simultaneous diophantine approximation in combinatorial optimization. 1987 , 7, 49-65	163
933	On the complexity of cutting-plane proofs. 1987 , 18, 25-38	155
932	On the computation of units and class numbers by a generalization of Lagrange's algorithm. 1987 , 26, 8-30	36
931	A hierarchy of polynomial time lattice basis reduction algorithms. 1987 , 53, 201-224	372
930	Finding successive minima of an integral lattice and a vector lattice, close to a given one. 1988 , 23, 492-497	
929	A more efficient algorithm for lattice basis reduction. 1988 , 9, 47-62	86
928	Subclasses of presburger arithmetic and the polynomial-time hierarchy. 1988 , 56, 289-301	31
927	. 1988 , 76, 578-593	55
926	Reconstructing Truncated Integer Variables Satisfying Linear Congruences. <i>SIAM Journal on Computing</i> , 1988 , 17, 262-280	70
925	Geometric Algorithms and Combinatorial Optimization. 1988,	1004
924	Geometry of numbers and integer programming. 1988 , 1-7	1
923	References. 1988 , 437-459	
922	On the parallel complexity of integer programming. 1989 ,	
921	Algorithms and complexity of the periodic maintenance problem. 1989 , 27, 657-664	14
920	The diophantine problem of Frobenius: A close bound. 1989 , 23, 289-291	4

919	Voting schemes for which it can be difficult to tell who won the election. 1989 , 6, 157-165	270
918	. 1989 , 7, 534-539	14
917	Polynomial Time Algorithms for Finding Integer Relations among Real Numbers. <i>SIAM Journal on Computing</i> , 1989 , 18, 859-881	59
916	Succinct Certificates for Almost All Subset Sum Problems. <i>SIAM Journal on Computing</i> , 1989 , 18, 550-558 _{1.1}	15
915	The pinwheel: a real-time scheduling problem.	24
914	Chapter VI Integer programming. 1989 , 1, 447-527	14
913	The complexity of nonlinear separable optimization. 1989 , 461-472	
912	Convex separable optimization is not much harder than linear optimization. 1990 , 37, 843-862	161
911	Algorithms and complexity concerning the preemptive scheduling of periodic, real-time tasks on one processor. 1990 , 2, 301-324	330
910	Korkin-Zolotarev bases and successive minima of a lattice and its reciprocal lattice. 1990 , 10, 333-348	185
909	Cutting-plane proofs in polynomial space. <i>Mathematical Programming</i> , 1990 , 47, 11-18	8
908	Optimal code parallelization using unimodular transformations. 1990 , 16, 157-171	19
907	•	1
906		46
905	On the Geometry and Computational Complexity of Radon Partitions in the linteger Lattice. 1991 , 4, 436-447	13
904	On Counting Lattice Points in Polyhedra. <i>SIAM Journal on Computing</i> , 1991 , 20, 695-707 1.1	13
903	Integral infeasibility and testing total dual integrality. 1991 , 10, 37-41	5
902	Gauss' algorithm revisited. 1991 , 12, 556-572	34

(1994-1991)

901 Book review. **1991**, 35, 435-436

900 Chapter 9 Computational complexity. 1992 , 3, 455-517		2
899 . 1992 ,		6
898 . 1992 ,		15
897 On integer points in polyhedra. 1992 , 12, 27-37		49
896 Lattice translates of a polytope and the Frobenius problem. 1992 , 12, 161-177	7	106
The context-freeness of the languages associated with vector addition system 98, 199-247	ns is decidable. 1992 ,	10
894 Fine covers of a VAS language. 1992 , 95, 159-168		3
893 Quantifier elimination for modules with scalar variables. 1992 , 57, 161-179		5
892 Pinwheel scheduling with two distinct numbers. 1992 , 100, 105-135		42
891 Simultaneous reduction of a lattice basis and its reciprocal basis. 1993 , 13, 363	3-376	76
Tight bounds and 2-approximation algorithms for integer programs with two vinequality. <i>Mathematical Programming</i> , 1993 , 62, 69-83	variables per 2.1	71
889 .		11
888 .		
887 Geometry of Numbers. 1993 , 739-763		8
886 .		7
Lattice basis reduction: Improved practical algorithms and solving subset sum <i>Mathematical Programming</i> , 1994 , 66, 181-199	problems.	724

883	Simple and Fast Algorithms for Linear and Integer Programs with Two Variables Per Inequality. SIAM Journal on Computing, 1994 , 23, 1179-1192	101
882		22
881	Block Reduced Lattice Bases and Successive Minima. 1994 , 3, 507-522	28
880	Distinguished Fellow: Herbert Scarf's Contributions to Economics. 1994 , 8, 161-181	5
879	The Allocation of Resources in the Presence of Indivisibilities. 1994 , 8, 111-128	88
878	A multiple-iterated trapdoor for dense compact knapsacks. 1995 , 112-130	2
877	The Minimum Concave Cost Network Flow Problem with fixed numbers of sources and nonlinear arc costs. 1995 , 6, 135-151	17
876	A note on parsing pattern languages. 1995 , 16, 179-182	11
875	Executing join queries in an uncertain distributed environment. 1995 , 22, 9-23	2
874	Factorization properties of lattices over the integers. 1995 , 214, 247-270	
873	Shop scheduling problems with multiprocessor tasks on dedicated processors. 1995 , 57, 13-27	22
872	Las Vegas algorithms for linear and integer programming when the dimension is small. 1995 , 42, 488-499	124
871	Scheduling Algorithms. 1995 ,	122
870	Minimum Cost Paths in Periodic Graphs. SIAM Journal on Computing, 1995 , 24, 1051-1067	13
869	Proportionate progress: A notion of fairness in resource allocation. <i>Algorithmica</i> , 1996 , 15, 600-625 0.9	429
868	A strongly polynomial algorithm for a concave production-transportation problem with a fixed number of nonlinear variables. <i>Mathematical Programming</i> , 1996 , 72, 229-258	30
867	Polyhedral techniques in combinatorial optimization I: Theory. 1996 , 50, 3-26	15
866	Low-complexity algorithms for sequencing jobs with a fixed number of job-classes. 1996 , 23, 1059-1067	12

865	Preemptive versus nonpreemptive scheduling of biprocessor tasks on dedicated processors. 1996 , 94, 242-251	26
864	Detection of infeasible paths using Presburger arithmetic.	
863	Scheduling independent multiprocessor tasks. 1997 , 1-12	17
862	B seudo-random[humber generation within cryptographic algorithms: The DDS case. 1997 , 277-291	42
861	An improved worst-case to average-case connection for lattice problems.	8
860	Computing integral points in convex semi-algebraic sets.	1
859	An algorithm reminiscent of euclidean-gcd for computing a function related to pinwheel scheduling. <i>Algorithmica</i> , 1997 , 17, 1-10	10
858	Complexity of presburger arithmetic with fixed quantifier dimension. 1997 , 30, 423-428	17
857	Unit-time scheduling problems with time dependent resources. 1997 , 58, 97-111	7
856	Complexity of Presburger Arithmetic with Fixed Quantifier Dimension. 1997 , 30, 423-428	1
855	A polynomial-time approximation scheme for maximizing the minimum machine completion time. 1997 , 20, 149-154	109
854	Real DataInteger Solution Problems within the BlumBhubBmale Computational Model. 1997 , 13, 279-300	8
853	A note on optical routing on trees. 1997 , 62, 295-300	14
852	On the complexity of decoding lattices using the Korkin-Zolotarev reduced basis. 1998 , 44, 162-171	32
851	Approximation schemes for scheduling on parallel machines. <i>Journal of Scheduling</i> , 1998 , 1, 55-66 1.6	130
850	Lattice Reduction: A Toolbox for the Cryptanalyst. 1998 , 11, 161-185	95
849	A relation of primal-dual lattices and the complexity of shortest lattice vector problem. 1998 , 207, 105-116	21
848	On variations of the subset sum problem. 1998 , 81, 1-7	10

847	An approximation scheme for strip packing of rectangles with bounded dimensions. 1998 , 82, 93-101	8
846	Complexity Analysis of a Parallel Lattice Basis Reduction Algorithm. <i>SIAM Journal on Computing</i> , 1.1	9
845	Planar Integer Linear Programming is NC Equivalent to Euclidean GCD. <i>SIAM Journal on Computing</i> , 1998 , 27, 960-971	1
844	A process scheduling problem arising from chemical production planning. 1998 , 10, 175-196	17
843	. 1998 , 46, 2938-2952	129
842	Scheduling Algorithms. 1998,	125
841	Discretely ordered modules as a first-order extension of the cutting planes proof system. 1998 , 63, 1582-15	596 37
840	Integer Programming and Combinatorial Optimization. 1998,	1
839	On the limits of non-approximability of lattice problems. 1998,	44
838	A natural lattice basis problem with applications. 1998 , 67, 1149-1162	
837	An efficient parallel block-reduction algorithm. 1998 , 323-337	5
836	Lattices and cryptography: An overview. 1998 , 50-54	3
835	Integer Programming. 1998 ,	1
834	The Flatness Theorem for Nonsymmetric Convex Bodies via the Local Theory of Banach Spaces. Mathematics of Operations Research, 1999 , 24, 728-750	41
833	Bin Packing Approximation Algorithms: Combinatorial Analysis. 1999 , 151-207	21
832	Integer Programming and Combinatorial Optimization. 1999,	1
831	Polyhedral techniques in combinatorial optimization II: applications and computations. 1999 , 53, 131-177	9
830	Computational Complexity of Simultaneous Elementary Matching Problems. 1999 , 23, 107-136	3

(2000-1999)

829	Approximability of scheduling with fixed jobs. <i>Journal of Scheduling</i> , 1999 , 2, 267-284	1.6	27
828	A PTAS for minimizing the weighted sum of job completion times on parallel machines. 1999 ,		14
827	Some recent progress on the complexity of lattice problems.		
826	Chinese remaindering with errors. 1999,		40
825	Computing Two-Dimensional Integer Hulls. SIAM Journal on Computing, 1999, 28, 2285-2299	1.1	41
824	A Class of Hard Small 0-1 Programs. 1999 , 11, 205-210		32
823	A Measure for the Non-Orthogonality of a Lattice Basis. 1999 , 8, 281-291		3
822	A Polynomial Time Approximation Scheme for the Multiple Knapsack Problem. 1999 , 51-62		21
821	Market Split and Basis Reduction: Towards a Solution of the Cornulols-Dawande Instances. 2000 , 12, 192-202		37
820	On the Limits of Nonapproximability of Lattice Problems. 2000 , 60, 540-563		88
819	A PTAS for the Multiple Subset Sum Problem with different knapsack capacities. 2000 , 73, 111-118		33
818	A polynomial time approximation scheme for the two-stage multiprocessor flow shop problem. 2000 , 237, 105-122		30
817	Chinese remaindering with errors. 2000 , 46, 1330-1338		75
816	Integer Optimization on Convex Semialgebraic Sets. 2000 , 23, 207-224		33
815	Lattice Reduction in Cryptology: An Update. 2000 , 85-112		40
814	Progress in Linear Programming-Based Algorithms for Integer Programming: An Exposition. 2000 , 12, 2-23		102
813	Algorithmic Number Theory. 2000 ,		4
812	LATIN 2000: Theoretical Informatics. 2000 ,		4

811	Solving a System of Linear Diophantine Equations with Lower and Upper Bounds on the Variables. <i>Mathematics of Operations Research</i> , 2000 , 25, 427-442	1.5	52
810	Ebptimization schemes and L-bit precision (extended abstract). 2000,		3
809	A PTAS for Minimizing the Total Weighted Completion Time on Identical Parallel Machines. <i>Mathematics of Operations Research</i> , 2000 , 25, 63-75	1.5	34
808	The Multiple Subset Sum Problem. 2000 , 11, 308-319		47
807	The Complexity of the AB CProblem. SIAM Journal on Computing, 2000, 29, 1878-1888	1.1	9
806	Integer Programming and Combinatorial Optimization. 2001,		
805	Solving Numerical Constraints. 2001 , 751-842		24
804	Polynomial Instances of the Positive Semidefinite and Euclidean Distance Matrix Completion Problems. 2001 , 22, 874-894		25
803	Strongly-local reductions and the complexity/efficient approximability of algebra and optimization on abstract algebraic structures. 2001 ,		3
802	A Polynomial Algorithm for Multiprocessor Scheduling with Two Job Lengths. <i>Mathematics of Operations Research</i> , 2001 , 26, 31-49	1.5	29
801	Cutting Planes and the Elementary Closure in Fixed Dimension. <i>Mathematics of Operations Research</i> , 2001 , 26, 304-312	1.5	6
800	The integral basis method for integer programming. 2001 , 53, 353-361		16
799	A polynomially solvable special case of the unbounded knapsack problem. 2001 , 29, 13-16		10
798	Complexity and Approximability of Quantified and Stochastic Constraint Satisfaction Problems. 2001 , 9, 217-230		2
797	Short vectors of planar lattices via continued fractions. 2001 , 79, 121-126		7
796	Experimental Results on Using General Disjunctions in Branch-and-Bound for General-Integer Linear Programs. 2001 , 20, 159-170		18
795	A lattice-based McEliece scheme for encryption and signature. 2001 , 6, 402-411		2
794	On the average-case hardness of CVP. 2001,		3

793	Scheduling Algorithms. 2001 ,	168
792	The Two Faces of Lattices in Cryptology. 2001 , 146-180	99
791	On XML integrity constraints in the presence of DTDs. 2001,	50
790	The Shortest Vector in a Lattice is Hard to Approximate to within Some Constant. <i>SIAM Journal on Computing</i> , 2001 , 30, 2008-2035	99
789	Cryptography and Lattices. 2001,	4
788	The inapproximability of lattice and coding problems with preprocessing.	6
787	On the complexity of equilibria. 2002 ,	67
786	On XML integrity constraints in the presence of DTDs. 2002 , 49, 368-406	109
785	Heuristics on lattice basis reduction in practice. 2002 , 7, 1	19
7 ⁸ 4	Integer Programming and Combinatorial Optimization. 2002,	1
783	Improved Complexity for Maximum Volume Inscribed Ellipsoids. 2002, 13, 309-320	10
782	The Insecurity of the Digital Signature Algorithm with Partially Known Nonces. 2002, 15, 151-176	137
781	The mathematics of playing golf, or: a new class of difficult non-linear mixed integer programs. Mathematical Programming, 2002 , 93, 77-86	3
780	Non-standard approaches to integer programming. 2002 , 123, 5-74	43
779	Random lattices, threshold phenomena and efficient reduction algorithms. 2002, 287, 359-385	9
778	Modelization of deterministic rational relations. 2002 , 281, 423-453	2
777	Exact Complexity of the Winner Problem for Young Elections. 2003, 36, 375-386	40
776	A primal all-integer algorithm based on irreducible solutions. <i>Mathematical Programming</i> , 2003 , 96, 205-246	10

Complexity of minthax subsequence problems. **2003**, 87, 213-217

774	A new transference theorem in the geometry of numbers and new bounds for Ajtai's connection factor. 2003 , 126, 9-31	13
773	The optimal LLL algorithm is still polynomial in fixed dimension. 2003 , 297, 3-23	12
772	Universal lattice decoding: principle and recent advances. 2003 , 3, 553-569	57
771	Approximation and Computation of Arbitrage in Frictional Foreign Exchange Market (Extended Abstract). 2003 , 78, 293-302	2
770	Fixed-Parameter Algorithms for CLOSEST STRING and Related Problems. <i>Algorithmica</i> , 2003 , 37, 25-42 0.9	116
769	Bin Packing. 2003 , 74-78	1
768	On Numerical Solution of the Maximum Volume Ellipsoid Problem. 2003 , 14, 53-76	36
767	Parameterized complexity for the skeptic.	20
766	Hardness of approximating the shortest vector problem in high L/sub p/ norms.	4
765	Fast Integer Programming in Fixed Dimension. 2003 , 196-207	22
764	LECTURE 2 RESIDUE FORMULAE FOR VOLUMES AND NUMBER OF INTEGRAL POINTS IN CONVEX RATIONAL POLYTOPES. 2003 ,	
763	Another View of the Gaussian Algorithm. 2004 , 474-487	1
762	On approximately fair allocations of indivisible goods. 2004,	114
761	Scheduling Algorithms. 2004 ,	174
760	Knapsack Problems. 2004 ,	1265
759	Hard Equality Constrained Integer Knapsacks. <i>Mathematics of Operations Research</i> , 2004 , 29, 724-738 1.5	28
758	The maximum deviation just-in-time scheduling problem. 2004 , 134, 25-50	25

757	Integer programming, Barvinok's counting algorithm and Gomory relaxations. 2004 , 32, 133-137	8
756	The inapproximability of lattice and coding problems with preprocessing. 2004 , 69, 45-67	26
755	Effective lattice point counting in rational convex polytopes. 2004 , 38, 1273-1302	135
754	Hardness of approximating the shortest vector problem in lattices.	21
753	On the power of discrete and of lexicographic Helly-type theorems.	2
752	Lattice basis reduction in optimization: selected topics. 2004 , 61, 1-19	
751	Algorithmic Number Theory. 2004,	11
750	Integer Programming and Combinatorial Optimization. 2004,	2
749	The Complexity of Three-Way Statistical Tables. <i>SIAM Journal on Computing</i> , 2004 , 33, 819-836	35
748	2. Time for Old and New Faces. 2004 , 7-15	
748 747	2. Time for Old and New Faces. 2004 , 7-15 References. 2004 , 207-208	
		22
747	References. 2004, 207-208 Fast Approximation Schemes for Two-Stage, Two-Dimensional Bin Packing. <i>Mathematics of</i>	22 83
747 746	References. 2004, 207-208 Fast Approximation Schemes for Two-Stage, Two-Dimensional Bin Packing. Mathematics of Operations Research, 2005, 30, 150-172 1.5	
747 746 745	References. 2004, 207-208 Fast Approximation Schemes for Two-Stage, Two-Dimensional Bin Packing. Mathematics of Operations Research, 2005, 30, 150-172 Floating-Point LLL Revisited. 2005, 215-233	83
747 746 745 744	References. 2004, 207-208 Fast Approximation Schemes for Two-Stage, Two-Dimensional Bin Packing. Mathematics of Operations Research, 2005, 30, 150-172 Floating-Point LLL Revisited. 2005, 215-233 Integer Programming, Lattices, and Results in Fixed Dimension. 2005, 171-243	83
747 746 745 744 743	References. 2004, 207-208 Fast Approximation Schemes for Two-Stage, Two-Dimensional Bin Packing. Mathematics of Operations Research, 2005, 30, 150-172 Floating-Point LLL Revisited. 2005, 215-233 Integer Programming, Lattices, and Results in Fixed Dimension. 2005, 171-243 Complexity of integer quasiconvex polynomial optimization. 2005, 21, 543-556 A computational study of integer programming algorithms based on Barvinok's rational functions.	8 ₃ 4 2 ₇

739	The NP-completeness column. 2005 , 1, 160-176	33
738	XML data exchange. 2005,	67
737	Discrete Geometry for Computer Imagery. 2005 ,	1
736	Real-time scheduling of sporadic task systems when the number of distinct task types is small.	1
735	Semidefinite Programming and Integer Programming. 2005 , 12, 393-514	56
734	Hardness of approximating the closest vector problem with pre-processing.	12
733	Encyclopedia of Cryptography and Security. 2005 , 322-323	
732	Complexity Theory and Cryptology. 2005 ,	3
731	Parameterized Complexity Theory. 2006 ,	95
730	Incorporating Condition Measures in the Context of Combinatorial Optimization. 2006, 16, 965-985	2
729	Integer Polynomial Optimization in Fixed Dimension. <i>Mathematics of Operations Research</i> , 2006 , 31, 147-1.5/3	33
728	On the high multiplicity traveling salesman problem. 2006 , 3, 50-62	12
727	Algorithms for non-uniform size data placement on parallel disks. 2006 , 60, 144-167	9
726	LLL on the Average. 2006 , 238-256	67
725	Improving the efficiency of the Branch and Bound algorithm for integer programming based on fl atness[Information. 2006 , 174, 92-101	10
724	Fast LLL-type lattice reduction. 2006 , 204, 1-25	30
723	Bin Packing in Multiple Dimensions: Inapproximability Results and Approximation Schemes. Mathematics of Operations Research, 2006, 31, 31-49	81
722	Lattice problems and norm embeddings. 2006,	24

721	Algorithmic Number Theory. 2006 ,		4
720	Routing and Wavelength Assignment in WDM Networks with Bounded-Degree Tree and Tree of Rings Topologies. 2006 ,		
719	Lattice-Based Cryptography. 2006 , 131-141		54
718	Cayley Digraphs of Finite Abelian Groups and Monomial Ideals. 2007 , 21, 763-784		4
717	Scheduling under Resource Constraints. 2007 , 425-475		
716	Convex and Discrete Geometry. 2007,		7
715	Scheduling Algorithms. 2007 ,		15
714	Handbook on Scheduling. 2007 ,		10
713	QoS-Based Web Services Selection. 2007 ,		3
712	Digital hyperplane recognition in arbitrary fixed dimension within an algebraic computation model. 2007 , 25, 1631-1643		3
711	Subadditive approaches in integer programming. 2007 , 183, 525-545		11
710	An algorithm for checking whether the toric ideal of an affine monomial curve is a complete intersection. 2007 , 42, 971-991		11
709	Server Allocation Algorithms for Tiered Systems. <i>Algorithmica</i> , 2007 , 48, 129-146	0.9	3
708	Optimal routing in double loop networks. 2007 , 381, 68-85		20
707	. 2008 , 5, 231-241		33
706	Ebptimization schemes and L-bit precision: Alternative perspectives for solving combinatorial optimization problems. 2008 , 5, 550-561		
705	The maximum edge-disjoint paths problem in complete graphs. 2008, 399, 128-140		3
704	FPTAS for optimizing polynomials over the mixed-integer points of polytopes in fixed dimension. Mathematical Programming, 2008, 115, 273-290	2.1	9

703	A generalization of the integer linear infeasibility problem. 2008 , 5, 36-52	6
702	Polynomial algorithms for guillotine cutting of a rectangle into small rectangles of two kinds. 2008 , 185, 105-121	
701	Typechecking top-down XML transformations: Fixed input or output schemas. 2008, 206, 806-827	13
700	Bin packing with controllable item sizes. 2008 , 206, 1003-1016	4
699	Lattice reformulation of integer programming problems. 2008 , 1-13	
698	Encyclopedia of Algorithms. 2008, 7-7	
697	Handbook on Information Technology in Finance. 2008,	11
696	An APTAS for Generalized Cost Variable-Sized Bin Packing. <i>SIAM Journal on Computing</i> , 2008 , 38, 411-42 8 .1	27
695	On the bounded integer programming. 2008,	
694	Parametric Integer Programming in Fixed Dimension. <i>Mathematics of Operations Research</i> , 2008 , 33, 839-850	32
693	The lattice width and quasi-straightness in digital spaces. 2008,	
692	XML data exchange. 2008 , 55, 1-72	72
691	A Note on Approximate Minimum Volume Enclosing Ellipsoid of Ellipsoids. 2008,	8
690	Linear convergence of a modified FrankWolfe algorithm for computing minimum-volume enclosing ellipsoids. 2008 , 23, 5-19	41
689	Approximative Algorithmen und Nichtapproximierbarkeit. 2008,	1
688	Cross-Layer Hybrid FEC/ARQ Reliable Multicast with Adaptive Modulation and Coding in Broadband Wireless Networks. 2009 ,	9
687	POLYNOMIAL APPROXIMATION SCHEMES FOR THE MAX-MIN ALLOCATION PROBLEM UNDER A GRADE OF SERVICE PROVISION. 2009 , 01, 355-368	6
686	Optimization in the Energy Industry. 2009,	14

(2010-2009)

685	Data-complexity of the two-variable fragment with counting quantifiers. 2009, 207, 867-888		10
684	Column basis reduction and decomposable knapsack problems. 2009 , 6, 242-270		14
683	Guarantees for the success frequency of an algorithm for finding Dodgson-election winners. 2009 , 15, 403-423		16
682	Periodic scheduling with obligatory vacations. 2009 , 410, 5112-5121		1
681	Integer equal flows. 2009 , 37, 245-249		6
680	Integer programming with 2-variable equations and 1-variable inequalities. 2009, 109, 572-575		2
679	An LLL Algorithm with Quadratic Complexity. SIAM Journal on Computing, 2009, 39, 874-903	1.1	69
678	Fixed Complexity LLL Algorithm. 2009 , 57, 1634-1637		50
677	Real-time Task Assignment with Replication on Multiprocessor Platforms. 2009,		
676	Online Scheduling with Bounded Migration. <i>Mathematics of Operations Research</i> , 2009 , 34, 481-498	1.5	64
675	Multi-product lot-sizing and scheduling on unrelated parallel machines to minimize makespan. 2009 , 42, 828-833		3
674	Basis Reduction and the Complexity of Branch-and-Bound. 2010 ,		15
673	Maximal Lattice-Free Convex Sets in Linear Subspaces. <i>Mathematics of Operations Research</i> , 2010 , 35, 704-720	1.5	65
672	Scheduling parallel machines with inclusive processing set restrictions and job release times. 2010 ,		24
	200, 702-710		
671	Parametric Integer Programming Algorithm for Bilevel Mixed Integer Programs. 2010 , 146, 137-150		46
671 670			46
	Parametric Integer Programming Algorithm for Bilevel Mixed Integer Programs. 2010 , 146, 137-150		

667	An approximation scheme for the two-stage, two-dimensional knapsack problem. 2010 , 7, 114-124	3
666	Segment LLL Reduction of Lattice Bases Using Modular Arithmetic. 2010 , 3, 224-243	1
665	Multi-product lot sizing and scheduling on unrelated parallel machines. 2010, 42, 514-524	20
664	Practical reasoning with qualified number restrictions: A hybrid Abox calculus for the description logic ?H?. 2010 , 23, 205-240	4
663	Expressive languages for path queries over graph-structured data. 2010,	38
662	A deterministic single exponential time algorithm for most lattice problems based on voronoi cell computations. 2010 ,	83
661	An EPTAS for Scheduling Jobs on Uniform Processors: Using an MILP Relaxation with a Constant Number of Integral Variables. 2010 , 24, 457-485	38
660	Computing Rational Points in Convex Semialgebraic Sets and Sum of Squares Decompositions. 2010 , 20, 2876-2889	19
659	Quantum algorithms for algebraic problems. 2010 , 82, 1-52	129
658	Parameterized and Exact Computation. 2010,	1
657	50 Years of Integer Programming 1958-2008. 2010 ,	93
656	The LLL Algorithm. 2010 ,	62
655	On the Complexity of Selecting Disjunctions in Integer Programming. 2010 , 20, 2181-2198	13
654	Cross-Layer Hybrid FEC/ARQ Reliable Multicast With Adaptive Modulation and Coding in Broadband Wireless Networks. 2010 , 18, 1908-1920	14
653	The Partitioned EDF Scheduling of Sporadic Task Systems. 2011 ,	8
652	Enumerative Lattice Algorithms in any Norm Via M-ellipsoid Coverings. 2011 ,	38
651	Rational Generating Functions and Integer Programming Games. <i>Operations Research</i> , 2011 , 59, 1445-14 <u>6</u> .	10
650	Bias expansion of spatial statistics and approximation of differenced lattice point counts. 2011 , 121, 229-244	

649 Polynomial Time Primal Integer Programming via Graver Bases. **2011**,

648	A Polynomial TimeOPT+ 1 Algorithm for the Cutting Stock Problem with a Constant Number of Object Lengths. <i>Mathematics of Operations Research</i> , 2011 , 36, 743-753	1.5	2
647	Basis Reduction Methods. 2011 ,		1
646	Disjunctive Inequalities: Applications And Extensions. 2011 ,		4
645	Branching on hyperplane methods for mixed integer linear and convex programming using adjoint lattices. 2011 , 49, 623-649		6
644	Approximability of Sparse Integer Programs. <i>Algorithmica</i> , 2011 , 61, 75-93	0.9	19
643	Branching on general disjunctions. <i>Mathematical Programming</i> , 2011 , 128, 403-436	2.1	17
642	N-fold integer programming and nonlinear multi-transshipment. 2011 , 5, 13-25		4
641	Closest string with outliers. 2011 , 12 Suppl 1, S55		9
640	Connectivity and diameter in distance graphs. 2011 , 57, 310-315		5
639	Unbounded knapsack problems with arithmetic weight sequences. 2011 , 213, 384-387		2
638	Deconstructing intractability multivariate complexity analysis of interval constrained coloring. 2011 , 9, 137-151		16
637	Parameterized complexity of coloring problems: Treewidth versus vertex cover. 2011 , 412, 2513-2523		33
636	Computing efficiently the lattice width in any dimension. 2011 , 412, 4814-4823		3
635	On the complexity of privacy-preserving complex event processing. 2011 ,		14
634	Covering cubes and the closest vector problem. 2011 ,		9
633	Complexity of pattern-based verification for multithreaded programs. 2011 ,		14
632	Back Matter. 2012 , 289-322		

1.6

Approximation and Online Algorithms. 2012, 631 TWO APPROXIMATION SCHEMES FOR SCHEDULING ON PARALLEL MACHINES UNDER A GRADE OF 630 7 SERVICE PROVISION. 2012, 29, 1250029 Expressive Languages for Path Queries over Graph-Structured Data. 2012, 37, 1-46 629 59 Transversal numbers over subsets of linear spaces. 2012, 12, 19-28 628 19 Quaternary hyperplane branching with internally generated cutting planes for solving integer 627 programmes. 2012, 14, 366 Studies in Computational Aspects of Voting. 2012, 318-363 626 9 Foundations of Discrete Optimization: In Transition from Linear to Non-linear Models and Methods. 625 **2012**, 114, 189-207 Finding vertex-surjective graph homomorphisms. 2012, 49, 381-394 624 9 A novel Bayesian ambiguity resolution technique for GNSS high precision positioning. 2012, 623 1 A Dichotomy for Real Weighted Holant Problems. 2012, 622 7 Lattice-based algorithms for number partitioning in the hard phase. 2012, 9, 159-171 621 The Multivariate Algorithmic Revolution and Beyond. 2012, 620 619 On the Complexity of Nonlinear Mixed-Integer Optimization. 2012, 533-557 24 Algorithms and complexity for periodic real-time scheduling. 2012, 9, 1-19 618 Special Problems of Algebraic Regression and Stochastic Estimation. 2012, 493-525 617 616 Computational Intelligence. 2012, Convex Geometry and its Applications. 2012, 9, 3473-3548 615

Scheduling of pipelined operator graphs. Journal of Scheduling, 2012, 15, 323-332

613	Algorithmic Meta-theorems for Restrictions of Treewidth. <i>Algorithmica</i> , 2012 , 64, 19-37	0.9	86
612	Multivariate Complexity Analysis of Swap Bribery. <i>Algorithmica</i> , 2012 , 64, 126-151	0.9	26
611	Alternatives for testing total dual integrality. <i>Mathematical Programming</i> , 2012 , 132, 57-78	2.1	3
610	Splitting full matrix algebras over algebraic number fields. 2012 , 354, 211-223		16
609	Pattern Hit-and-Run for sampling efficiently on polytopes. 2012 , 40, 6-11		10
608	Parameterizing by the Number of Numbers. 2012 , 50, 675-693		13
607	On Dedekind problem for complete simple games. 2013 , 42, 411-437		18
606	Local cuts for mixed-integer programming. 2013 , 5, 171-200		7
605	Discrete Geometry and Optimization. 2013,		1
604	Integer Programming and Combinatorial Optimization. 2013,		
603	Bin Packing Approximation Algorithms: Survey and Classification. 2013, 455-531		104
602	Combinatorial Optimization and Applications. 2013,		
601	Testing additive integrality gaps. Mathematical Programming, 2013, 141, 257-271	2.1	4
600	Experimental quality evaluation of lattice basis reduction methods for decorrelating low-dimensional integer least squares problems. 2013 , 2013,		4
599	A Deterministic Single Exponential Time Algorithm for Most Lattice Problems Based on Voronoi Cell Computations. <i>SIAM Journal on Computing</i> , 2013 , 42, 1364-1391	1.1	54
598	Algorithms for highly symmetric linear and integer programs. <i>Mathematical Programming</i> , 2013 , 137, 65-90	2.1	20
597	Thel-Diversity problem: Tractability and approximability. 2013 , 511, 159-171		4
596	Mixed-integer nonlinear optimization*□ 2013 , 22, 1-131		376

595	A new Lenstra-type algorithm for quasiconvex polynomial integer minimization with complexity 2O(nlogn). 2013 , 10, 69-84	17
594	Bin packing with fixed number of bins revisited. 2013 , 79, 39-49	45
593	An approximation algorithm for box abstraction of transition systems on real state spaces. 2013 , 42, 175-192	2
592	Challenges to complexity shields that are supposed to protect elections against manipulation and control: a survey. 2013 , 68, 161-193	16
591	Polynomial time certifying algorithms for the planar quantified integer programming problem. 2013 , 23, 1017-1033	
590	Index coding problem with side information repositories. 2013,	2
589	Pattern-Guided k-Anonymity. 2013 , 6, 678-701	3
588	Minimizing the number of lattice points in a translated polygon. 2013 ,	2
587	Integer quadratic programming in the plane. 2014,	6
586	Polynomiality for Bin Packing with a Constant Number of Item Types. 2014 ,	24
585	References. 2014 , 721-747	
584	Parameterized algorithmics for computational social choice: Nine research challenges. 2014 , 19, 358-373	24
583	Computer Science - Theory and Applications. 2014 ,	
582	Computer Information Systems and Industrial Management. 2014,	1
581	Minimizing envy and maximizing average Nash social welfare in the allocation of indivisible goods. 2014 , 179, 54-68	17
580	Finding a Closest Point in a Lattice of Voronoi's First Kind. 2014 , 28, 1405-1422	9
	Event Based Approaches for Solving Multi-mode Resource Constraints Project Scheduling Problem.	0
579	2014 , 375-386	8

577	Classification of annotation semirings over containment of conjunctive queries. 2014, 39, 1-39	2
576	Energy efficient voltage scheduling for multi-core processors with software controlled dynamic voltage scaling. 2014 , 38, 3456-3466	15
575	Approximation algorithms for (k)-partitioning problems with partition matroid constraint. 2014 , 8, 1093-1099	2
574	Lattice preconditioning for the real relaxation branch-and-bound approach for integer least squares problems. 2014 , 59, 227-242	3
573	A Randomized Sieving Algorithm for Approximate Integer Programming. <i>Algorithmica</i> , 2014 , 70, 208-244 _{0.9}	2
572	Constant Thresholds Can Make Target Set Selection Tractable. 2014 , 55, 61-83	26
57 ¹	A heuristic method for solving integer-valued decompositional multiindex problems. 2014 , 75, 1357-1368	5
57°	Locally Dense Codes. 2014 ,	4
569	String Processing and Information Retrieval. 2014,	
568	Integer convex minimization by mixed integer linear optimization. 2014 , 42, 424-428	11
568 567	Integer convex minimization by mixed integer linear optimization. 2014 , 42, 424-428 Lattice-free sets, multi-branch split disjunctions, and mixed-integer programming. <i>Mathematical Programming</i> , 2014 , 145, 483-508	10
	Lattice-free sets, multi-branch split disjunctions, and mixed-integer programming. <i>Mathematical</i>	
567	Lattice-free sets, multi-branch split disjunctions, and mixed-integer programming. <i>Mathematical Programming</i> , 2014 , 145, 483-508 An efficient polynomial time approximation scheme for load balancing on uniformly related	10
567 566	Lattice-free sets, multi-branch split disjunctions, and mixed-integer programming. Mathematical Programming, 2014, 145, 483-508 An efficient polynomial time approximation scheme for load balancing on uniformly related machines. Mathematical Programming, 2014, 147, 1-23 2.1	10
567 566 565	Lattice-free sets, multi-branch split disjunctions, and mixed-integer programming. Mathematical Programming, 2014, 145, 483-508 An efficient polynomial time approximation scheme for load balancing on uniformly related machines. Mathematical Programming, 2014, 147, 1-23 Huge multiway table problems. 2014, 14, 72-77 From Angular Manifolds to the Integer Lattice: Guaranteed Orientation Estimation With	10 9 4
567 566 565	Lattice-free sets, multi-branch split disjunctions, and mixed-integer programming. Mathematical Programming, 2014, 145, 483-508 An efficient polynomial time approximation scheme for load balancing on uniformly related machines. Mathematical Programming, 2014, 147, 1-23 Huge multiway table problems. 2014, 14, 72-77 From Angular Manifolds to the Integer Lattice: Guaranteed Orientation Estimation With Application to Pose Graph Optimization. 2014, 30, 475-492	10 9 4 45
567 566 565 564 563	Lattice-free sets, multi-branch split disjunctions, and mixed-integer programming. Mathematical Programming, 2014, 145, 483-508 An efficient polynomial time approximation scheme for load balancing on uniformly related machines. Mathematical Programming, 2014, 147, 1-23 Huge multiway table problems. 2014, 14, 72-77 From Angular Manifolds to the Integer Lattice: Guaranteed Orientation Estimation With Application to Pose Graph Optimization. 2014, 30, 475-492 New transference theorems on lattices possessing n?-unique shortest vectors. 2014, 315-316, 144-155	10 9 4 45

Quantized nonlinear model predictive control for a building. **2015**,

558	NP-Hardness and Fixed-Parameter Tractability of Realizing Degree Sequences with Directed Acyclic Graphs. 2015 , 29, 1931-1960	3
557	Note on the complexity of the mixed-integer hull of a polyhedron. 2015 , 43, 279-282	4
556	A fixed point iterative approach to integer programming and its distributed computation. 2015 , 2015,	10
555	The rational subset membership problem for groups: a survey. 368-389	5
554	Understanding Preferences: 'Demand Types', and The Existence of Equilibrium with Indivisibilities. 2015 ,	8
553	Computer Algebra and Polynomials. 2015,	1
552	Theory and Applications of Models of Computation. 2015,	
551	Algorithms and Complexity. 2015,	
550	Approximation and Online Algorithms. 2015,	
549	Planar Four-Link Mechanism Analysis for Application in 3D Printing Machines. 2015, 99-108	1
548	Assignment Algorithms for Modeling Resource Contention in Multirobot Task Allocation. 2015 , 12, 889-900	23
547	Solving the Closest Vector Problem in 2^n Time The Discrete Gaussian Strikes Again!. 2015 ,	21
546	A New Matrix Algebra for LWE Encryption. 2015 , 13, 3038-3043	
545	The complexity of degree anonymization by vertex addition. 2015 , 607, 16-34	9
544	Bounding stochastic dependence, joint mixability of matrices, and multidimensional bottleneck assignment problems. 2015 , 43, 74-79	16
543	On explaining integer vectors by few homogeneous segments. 2015 , 81, 766-782	1
542	Lifting properties of maximal lattice-free polyhedra. <i>Mathematical Programming</i> , 2015 , 154, 81-111 2.1	13

(2016-2015)

541	Improved branching disjunctions for branch-and-bound: An analytic center approach. 2015 , 247, 37-45	1
540	Optimization of a Real-World Auto-Carrier Transportation Problem. 2015 , 49, 402-419	13
539	PRESBURGER ARITHMETIC, RATIONAL GENERATING FUNCTIONS, AND QUASI-POLYNOMIALS. 2015 , 80, 433-449	16
538	Algorithmic Applications of Tree-Cut Width. 2015 , 348-360	9
537	Resampling methods for particle filtering: identical distribution, a new method, and comparable study. 2015 , 16, 969-984	35
536	A Two-Stage Stochastic Integer Programming Approach to Integrated Staffing and Scheduling with Application to Nurse Management. <i>Operations Research</i> , 2015 , 63, 1431-1451	60
535	Generalized Decision Scoring Rules. 2015,	3
534	Geometric versions of the three-dimensional assignment problem under general norms. 2015 , 18, 38-55	7
533	Solving the Shortest Vector Problem in 2 n Time Using Discrete Gaussian Sampling. 2015 ,	29
532	Fundamentals of Computation Theory. 2015 ,	
532	Fundamentals of Computation Theory. 2015 , Combinatorial voter control in elections. 2015 , 589, 99-120	10
		10
531	Combinatorial voter control in elections. 2015 , 589, 99-120	
531	Combinatorial voter control in elections. 2015 , 589, 99-120 Parameterized complexity of control and bribery for d-approval elections. 2015 , 595, 82-91	4
531 530 529	Combinatorial voter control in elections. 2015 , 589, 99-120 Parameterized complexity of control and bribery for d-approval elections. 2015 , 595, 82-91 Parameterized complexity analysis for the Closest String with Wildcards problem. 2015 , 600, 11-18 Short rational generating functions for solving some families of fuzzy integer programming	3
531 530 529 528	Combinatorial voter control in elections. 2015 , 589, 99-120 Parameterized complexity of control and bribery for d-approval elections. 2015 , 595, 82-91 Parameterized complexity analysis for the Closest String with Wildcards problem. 2015 , 600, 11-18 Short rational generating functions for solving some families of fuzzy integer programming problems. 2015 , 272, 30-46	3
531 530 529 528	Combinatorial voter control in elections. 2015, 589, 99-120 Parameterized complexity of control and bribery for d-approval elections. 2015, 595, 82-91 Parameterized complexity analysis for the Closest String with Wildcards problem. 2015, 600, 11-18 Short rational generating functions for solving some families of fuzzy integer programming problems. 2015, 272, 30-46 A Function Elimination Method for Checking Satisfiability of Arithmetical Logics. 2016, 143, 51-71	3

523	A comprehensive model for process selection by considering offline and online quality control. 2016 , 10, JAMDSM0065-JAMDSM0065		3
522	On polynomial kernels for sparse integer linear programs. 2016 , 82, 758-766		5
521	Integer Programming and Combinatorial Optimization. 2016,		1
520	High-multiplicity scheduling on one machine with forbidden start and completion times. <i>Journal of Scheduling</i> , 2016 , 19, 609-616	1.6	4
519	Discrete Geometry for Computer Imagery. 2016 ,		1
518	Robust Polynomial-Time Approximation Schemes for Parallel Machine Scheduling with Job Arrivals and Departures. <i>Mathematics of Operations Research</i> , 2016 , 41, 991-1021	1.5	18
517	Predicting the memory bandwidth and optimal core allocations for multi-threaded applications on large-scale NUMA machines. 2016 ,		13
516	Encyclopedia of Algorithms. 2016 , 97-99		
515	Robust optimal sizing of a hybrid energy stand-alone system. 2016 , 254, 565-575		21
5 ¹ 4	Encyclopedia of Algorithms. 2016 , 5-8		
513	Encyclopedia of Algorithms. 2016 , 48-52		22
512	Discrete Gaussian Sampling Reduces to CVP and SVP. 2016 ,		11
511	Fixed Parameter Complexity of Distance Constrained Labeling and Uniform Channel Assignment Problems. 2016 , 67-78		1
510	Graph-Theoretic Concepts in Computer Science. 2016 ,		
509	Prices matter for the parameterized complexity of shift bribery. 2016 , 251, 140-164		13
508	Encyclopedia of Algorithms. 2016 , 37-48		
507	. 2016 , 18, 744-761		20
506	Integer programming as projection. 2016 , 22, 291-311		3

505	A note on non-degenerate integer programs with small sub-determinants. 2016 , 44, 635-639	16
504	Encyclopedia of Algorithms. 2016 , 13-18	
503	Back Matter. 2016 , 143-149	
502	Encyclopedia of Algorithms. 2016 , 8-13	2
501	Encyclopedia of Algorithms. 2016 , 133-137	
500	Encyclopedia of Algorithms. 2016 , 59-64	
499	Tractable Parameterizations for the Minimum Linear Arrangement Problem. 2016 , 8, 1-12	27
498	Approximating Vector Scheduling: Almost Matching Upper and Lower Bounds. <i>Algorithmica</i> , 2016 , 76, 1077-1096	8
497	Completing Partial Schedules for Open Shop with Unit Processing Times and Routing. 2016, 73-87	8
496	Encyclopedia of Algorithms. 2016 , 52-55	1
495	Computer Science Theory and Applications. 2016,	
494	Encyclopedia of Algorithms. 2016 , 1-5	
493	Encyclopedia of Algorithms. 2016 , 94-97	1
492	Schulze and ranked-pairs voting are fixed-parameter tractable to bribe, manipulate, and control. 2016 , 77, 191-223	6
491	Conjugacy and Other Properties of One-Relator Groups. 2016 , 44, 1588-1598	1
490	Bridging the gap between the linear and nonlinear predictive control: Adaptations for efficient building climate control. 2016 , 53, 124-138	14
489	Exact algorithms for weighted and unweighted Borda manipulation problems. 2016 , 622, 79-89	4
488	Trichotomy for integer linear systems based on their sign patterns. 2016 , 200, 67-78	2

487	Minimizing Cubic and Homogeneous Polynomials over Integers in the Plane. <i>Mathematics of Operations Research</i> , 2016 , 41, 511-530	1.5	2
486	A Dichotomy for Real Weighted Holant Problems. 2016 , 25, 255-304		15
485	Decentralized Optimal Scheduling for Charging and Discharging of Plug-In Electric Vehicles in Smart Grids. 2016 , 31, 4118-4127		87
484	Polynomial-Time Approximation Schemes for Circle and Other Packing Problems. <i>Algorithmica</i> , 2016 , 76, 536-568	0.9	6
483	Refining the complexity of the sports elimination problem. 2016 , 199, 172-186		2
482	Configurations and Minority in the String Consensus Problem. <i>Algorithmica</i> , 2016 , 74, 1267-1292	0.9	1
481	Vertex Cover Meets Scheduling. <i>Algorithmica</i> , 2016 , 74, 1148-1173	0.9	2
480	Processing Succinct Matrices and Vectors. 2017 , 61, 322-351		
479	Partitioning Graphs into Induced Subgraphs. 2017 , 338-350		
478	Improved approximation algorithms for parallel machine scheduling with release dates and job rejection. 2017 , 15, 387-406		14
47 ⁸ 477		0.9	0
	rejection. 2017 , 15, 387-406	0.9	
477	rejection. 2017, 15, 387-406 Complexity and Approximability of Parameterized MAX-CSPs. <i>Algorithmica</i> , 2017, 79, 230-250	0.9	0
477 476	rejection. 2017 , 15, 387-406 Complexity and Approximability of Parameterized MAX-CSPs. <i>Algorithmica</i> , 2017 , 79, 230-250 Parameterized Resiliency Problems via Integer Linear Programming. 2017 , 164-176	0.9	3
477 476 475	Complexity and Approximability of Parameterized MAX-CSPs. <i>Algorithmica</i> , 2017 , 79, 230-250 Parameterized Resiliency Problems via Integer Linear Programming. 2017 , 164-176 New Algorithmic Results for Bin Packing and Scheduling. 2017 , 10-15	0.9	0 3
477 476 475 474	Complexity and Approximability of Parameterized MAX-CSPs. <i>Algorithmica</i> , 2017 , 79, 230-250 Parameterized Resiliency Problems via Integer Linear Programming. 2017 , 164-176 New Algorithmic Results for Bin Packing and Scheduling. 2017 , 10-15 Centerpoints: A Link between Optimization and Convex Geometry. 2017 , 27, 866-889	0.9	o 3 o 4
477 476 475 474 473	Complexity and Approximability of Parameterized MAX-CSPs. <i>Algorithmica</i> , 2017 , 79, 230-250 Parameterized Resiliency Problems via Integer Linear Programming. 2017 , 164-176 New Algorithmic Results for Bin Packing and Scheduling. 2017 , 10-15 Centerpoints: A Link between Optimization and Convex Geometry. 2017 , 27, 866-889 Optimization and Control for Systems in the Big-Data Era. 2017 ,	0.9	o 3 0 4 6

469	Approximation Algorithms for Maximin Fair Division. 2017,	18
468	Phase transitions in integer linear problems. 2017 , 2017, 093404	1
467	Polyhedral Omega: a New Algorithm for Solving Linear Diophantine Systems. 2017 , 21, 211-280	3
466	About the Decidability of Polyhedral Separability in the Lattice (mathbb {Z}^d). 2017 , 59, 52-68	3
465	Polynomial kernels for weighted problems. 2017 , 84, 1-10	13
464	Autogen. 2017 , 4, 1-30	5
463	. 2017,	2
462	Polynomial-time approximation for nonconvex optimization problems with an L1-constraint. 2017,	1
461	. 2017,	6
460	The duality principle in the theory of development generalized A-M knapsack cryptosystems. 2017 ,	O
459	Extension Complexity Lower Bounds for Mixed-Integer Extended Formulations. 2017,	4
458	Two-Dimensional Knapsack for Circles. 2018 , 741-754	1
457	FPT-algorithms for some problems related to integer programming. 2018 , 35, 1128-1146	4
456	The complexity landscape of decompositional parameters for ILP. 2018 , 257, 61-71	14
455	Proximity results and faster algorithms for Integer Programming using the Steinitz Lemma. 2018 , 808-816	13
454	Scheduling meets n-fold integer programming. <i>Journal of Scheduling</i> , 2018 , 21, 493-503 1.6	21
453	Pisot unit generators in number fields. 2018 , 89, 94-108	О
452	Toward a Smart Car: Hybrid Nonlinear Predictive Controller With Adaptive Horizon. 2018 , 26, 1970-1981	2

451	Efficient Storage of Pareto Points in Biobjective Mixed Integer Programming. 2018, 30, 324-338		2
450	Multiwinner analogues of the plurality rule: axiomatic and algorithmic perspectives. 2018 , 51, 513-550		10
449	On the string consensus problem and the Manhattan sequence consensus problem. 2018 , 710, 126-138		
448	Parameterized complexity of distance labeling and uniform channel assignment problems. 2018 , 248, 46-55		2
447	Mixed integer reformulations of integer programs and the affine TU-dimension of a matrix. <i>Mathematical Programming</i> , 2018 , 169, 565-584	2.1	8
446	Super-Golden-Gates for PU(2). 2018 , 327, 869-901		13
445	On approximation algorithms for concave mixed-integer quadratic programming. <i>Mathematical Programming</i> , 2018 , 172, 3-16	2.1	3
444	Single-machine scheduling with workload-dependent tool change durations and equal processing time jobs to minimize total completion time. <i>Journal of Scheduling</i> , 2018 , 21, 461-482	1.6	10
443	Active instance matching with pairwise constraints and its application to Chinese knowledge base construction. 2018 , 55, 171-214		
442	. 2018,		29
442	. 2018 , How hard is it to control a group?. 2018 , 32, 672-692		29
441	How hard is it to control a group?. 2018 , 32, 672-692		1
441 440	How hard is it to control a group?. 2018 , 32, 672-692 On the number of integer points in a multidimensional domain. 2018 , 28, 385-395		1
441 440 439	How hard is it to control a group?. 2018, 32, 672-692 On the number of integer points in a multidimensional domain. 2018, 28, 385-395 (Gap/S)ETH hardness of SVP. 2018,		1 1 5
441 440 439 438	How hard is it to control a group?. 2018, 32, 672-692 On the number of integer points in a multidimensional domain. 2018, 28, 385-395 (Gap/S)ETH hardness of SVP. 2018, Enumerating Projections of Integer Points in Unbounded Polyhedra. 2018, 32, 986-1002		1 1 5
441 440 439 438 437	How hard is it to control a group?. 2018, 32, 672-692 On the number of integer points in a multidimensional domain. 2018, 28, 385-395 (Gap/S)ETH hardness of SVP. 2018, Enumerating Projections of Integer Points in Unbounded Polyhedra. 2018, 32, 986-1002 A survival guide to presburger arithmetic. 2018, 5, 67-82		1 1 5 2 19

433 Equivalence of Lattice Orbit Polytopes. **2018**, 2, 259-280

432	Swapping colored tokens on graphs. 2018 , 729, 1-10	4
434	Swapping colored collens on graphs. 2010 , 729, 1-10	4
431	Lifting Linear Extension Complexity Bounds to the Mixed-Integer Setting. 2018, 788-807	6
430	Review of recent trends in charging infrastructure planning for electric vehicles. 2018, 7, e306	41
429	Local Testing of Lattices. 2018 , 32, 1265-1295	
428	Scheduling two agents on a single machine: A parameterized analysis of NP-hard problems. 2019 , 83, 275-286	12
427	. 2019 , 16, 476-483	1
426	High-Multiplicity Fair Allocation. 2019 ,	3
425	FPT-Algorithm for Computing the Width of a Simplex Given by a Convex Hull. 2019, 43, 1-11	2
424	Reachability Analysis of Low-Order Discrete State Reaction Networks Obeying Conservation Laws. 2019 , 2019, 1-13	
423	Modified fuzzy c-mean for custom-sized clusters. 2019 , 44, 1	1
422	Fair Knapsack. 2019 , 33, 1941-1948	6
421	A novel test-cost-sensitive attribute reduction approach using the binary bat algorithm. 2019 , 186, 104938	11
420	Parameterized resiliency problems. 2019 , 795, 478-491	1
419	Serum-Free Culture System for Spontaneous Human Mesenchymal Stem Cell Spheroid Formation. 2019 , 2019, 6041816	5
418	Query Evaluation in Election Databases. 2019 ,	1
417	An EPTAS for Machine Scheduling with Bag-Constraints. 2019 ,	2
416	An EPTAS for Scheduling on Unrelated Machines of Few Different Types. <i>Algorithmica</i> , 2019 , 81, 4134-41 <u>6</u>	4

On approximating the covering radius and finding dense lattice subspaces. **2019**,

414	A time- and space-optimal algorithm for the many-visits TSP. 2019 , 1770-1782	3
413	Subgraph Isomorphism on Graph Classes that Exclude a Substructure. 2019 , 87-98	1
412	A Unified Framework for Designing EPTAS for Load Balancing on Parallel Machines. <i>Algorithmica</i> , 0.9	7
411	High-multiplicity election problems. 2019 , 33, 383-402	2
410	Nonlinear Combinatorial Optimization. 2019 ,	
409	On Block-Structured Integer Programming and Its Applications. 2019 , 153-177	
408	An Improved Attack on the Basic Merkle⊞ellman Knapsack Cryptosystem. 2019 , 7, 59388-59393	7
407	Understanding Preferences: D emand Types and the Existence of Equilibrium With Indivisibilities. 2019 , 87, 867-932	35
406	Algorithms and Complexity. 2019 ,	
405	Scheduling under Resource Constraints. 2019 , 475-525	2
404	Algorithms for Closest and Farthest String Problems via Rank Distance. 2019 , 154-171	
403	Estimation of the hardness of the learning with errors problem with a restricted number of samples. 2019 , 13, 47-67	1
402	Lamb Wave-Minimum Sampling Variance Particle Filter-Based Fatigue Crack Prognosis. 2019 , 19,	3
401	Computing Weakly Reversible Deficiency Zero Network Translations Using Elementary Flux Modes. 2019 , 81, 1613-1644	4
400	WALCOM: Algorithms and Computation. 2019 ,	
399	Solving Integer Linear Programs by Exploiting Variable-Constraint Interactions: A Survey. 2019 , 12, 248	2
398	A novel network control model for identifying personalized driver genes in cancer. 2019 , 15, e1007520	20

397 No-idle Parallel Machine Scheduling of Unit-time Jobs. **2019**,

396	Complexity of Strong Approximation on the Sphere. 2019 ,		
395	The (not so) trivial lifting in two dimensions. 2019 , 11, 211-235		1
394	Minimum-Cost b-Edge Dominating Sets on Trees. <i>Algorithmica</i> , 2019 , 81, 343-366	0.9	2
393	Tropical Principal Component Analysis and Its Application to Phylogenetics. 2019 , 81, 568-597		11
392	Harmonious coloring: Parameterized algorithms and upper bounds. 2019 , 772, 132-142		
391	On a fully fuzzy framework for minimax mixed integer linear programming. 2019 , 128, 170-179		6
390	A Parameterized Algorithmics Framework for Degree Sequence Completion Problems in Directed Graphs. <i>Algorithmica</i> , 2019 , 81, 1584-1614	0.9	1
389	Knapsack problems: A parameterized point of view. 2019 , 775, 93-108		3
388	The Minimum Feasible Tileset Problem. <i>Algorithmica</i> , 2019 , 81, 1126-1151	0.9	
387	Parameterized Complexity of Asynchronous Border Minimization. <i>Algorithmica</i> , 2019 , 81, 201-223	0.9	
386	Virtual machine placement quality estimation in cloud infrastructures using integer linear programming. 2019 , 27, 731-755		4
385	When Can Graph Hyperbolicity be Computed in Linear Time?. <i>Algorithmica</i> , 2019 , 81, 2016-2045	0.9	1
384	On the complexity of quasiconvex integer minimization problem. 2019 , 73, 761-788		5
383	On the Rational Polytopes with ChvEal Rank 1. Mathematical Programming, 2020, 179, 21-46	2.1	1
382	Partitioning graphs into induced subgraphs. 2020 , 272, 31-42		
381	Lattice closures of polyhedra. <i>Mathematical Programming</i> , 2020 , 181, 119-147	2.1	2
380	A polynomial-time approximation scheme for an arbitrary number of parallel two-stage flow-shops. 2020 , 281, 16-24		4

379	The Computational Complexity of Integer Programming with Alternations. <i>Mathematics of Operations Research</i> , 2020 , 45, 191-204	
378	Consensus Strings with Small Maximum Distance and Small Distance Sum. <i>Algorithmica</i> , 2020 , 82, 1378-14.09	O
377	Network control principles for identifying personalized driver genes in cancer. 2020 , 21, 1641-1662	4
376	Proximity Results and Faster Algorithms for Integer Programming Using the Steinitz Lemma. 2020 , 16, 1-14	12
375	Combinatorial n-fold integer programming and applications. Mathematical Programming, 2020 , 184, 1-3 \pm .1	7
374	An Evolutionary Approach to Constructing the Minimum Volume Ellipsoid Containing a Set of Points and the Maximum Volume Ellipsoid Embedded in a Set of Points. 2020 , 1530, 012087	2
373	Adaptive streaming of HD and 360° videos over software defined radios. 2020 , 67, 101215	
372	. 2020,	26
371	Integer programming in parameterized complexity: Five miniatures. 2020, 100596	5
370	About the Structure of the Integer Cone and Its Application to Bin Packing. <i>Mathematics of Operations Research</i> , 2020 , 45, 1498-1511	1
369	F2MH Cryptosystem: Preliminary analysis of an original attempt to revive Knapsack-based public-key encryption schemes. 2020 ,	О
368	Solving hard stable matching problems involving groups of similar agents. 2020 , 844, 171-194	3
367	SRVB cryptosystem: another attempt to revive Knapsack-based public-key encryption schemes. 2020 ,	0
366	On degree sequence optimization. 2020 , 48, 840-843	
365	A note on a variant of the online open end bin packing problem. 2020 , 48, 844-849	3
364	Linear Time Additively Exact Algorithm for Transformation of Chain-Cycle Graphs for Arbitrary Costs of Deletions and Insertions. 2020 , 8, 2001	1
363	Electric vehicles in a smart grid: a comprehensive survey on optimal location of charging station. 2020 , 3, 267-279	19
362	Parameterized Multi-Scenario Single-Machine Scheduling Problems. <i>Algorithmica</i> , 2020 , 82, 2644-2667 0.9	4

(2021-2020)

361	Closing the Gap for Makespan Scheduling via Sparsification Techniques. <i>Mathematics of Operations Research</i> , 2020 , 45, 1371-1392	8
360	Subgraph Isomorphism on Graph Classes that Exclude a Substructure. <i>Algorithmica</i> , 2020 , 82, 3566-35870.9	O
359	Subset Selection in Sparse Matrices. 2020 , 30, 1173-1190	О
358	Exact and approximate algorithms for clustering problem in wireless sensor networks. 2020 , 14, 580-587	6
357	Mixed integer programming with convex/concave constraints: Fixed-parameter tractability and applications to multicovering and voting. 2020 , 814, 86-105	3
356	. 2020 , 5, 430-437	О
355	Minimization of Even Conic Functions on the Two-Dimensional Integral Lattice. 2020 , 14, 56-72	2
354	Revenue maximization in Stackelberg Pricing Games: beyond the combinatorial setting. Mathematical Programming, 2021 , 187, 653-695	О
353	Multi-Omics Analysis in a Network Context. 2021 , 224-233	1
352	On the Number of Integer Points in Translated and Expanded Polyhedra. 2021 , 65, 405-424	
351	New algorithms for minimizing the weighted number of tardy jobs on a single machine. 2021 , 298, 271-287	6
350	An event-based reactive scheduling approach for the Resource Constrained Project Scheduling Problem with unreliable resources. 2021 , 151, 106981	5
349	Distributed Computing and Internet Technology. 2021,	
348	Improved bi-criteria approximation schemes for load balancing on unrelated machines with cost constraints. 2021 , 858, 35-48	1
347	Robustness among multiwinner voting rules. 2021 , 290, 103403	4
346	On Structural Parameterizations of the Bounded-Degree Vertex Deletion Problem. <i>Algorithmica</i> , 0.9	6
345	EASE: Energy-efficient task scheduling for edge computing under uncertain runtime and unstable communication conditions. 2021 , 33, 1-1	5
344	Meta-heuristic approaches to solve shortest lattice vector problem. 2021 , 24, 81-91	

343	Minimizing maximum job dependent ergonomic risk. 2021 , 59, 95-101	1
342	The Balanced Satisfactory Partition Problem. 2021 , 322-336	
341	On Structural Parameterizations of the Edge Disjoint Paths Problem. <i>Algorithmica</i> , 2021 , 83, 1605-1637 0.9	1
340	Continuous Reformulation of Binary Variables, Revisited. 2021 , 201-215	
339	On the Integrality Gap of Binary Integer Programs with Gaussian Data. 2021, 427-442	4
338	. 2021 , 1-1	1
337	Can Romeo and Juliet Meet? or Rendezvous Games with Adversaries on Graphs. 2021, 308-320	
336	Acyclic Coloring Parameterized by Directed Clique-Width. 2021 , 95-108	
335	Computing L(p, 1)-Labeling with Combined Parameters. 2021 , 208-220	
334	r -Simple k -Path and Related Problems Parameterized by k / r. 2021 , 17, 1-64	
333	Exploring the Gap Between Treedepth and Vertex Cover Through Vertex Integrity. 2021, 271-285	
332	On the status sequences of trees. 2021 , 856, 110-120	
331	Trichotomy for the reconfiguration problem of integer linear systems. 2021 , 856, 88-109	
330	Parameterized Intractability of Even Set and Shortest Vector Problem. 2021 , 68, 1-40	2
329	A note on the concrete hardness of the shortest independent vector in lattices. 2021 , 167, 106065	1
328	The integrality number of an integer program. <i>Mathematical Programming</i> , 1 2.1	2
327	Electing a committee with dominance constraints. 1	0
326	On lattice point counting in (varDelta)-modular polyhedra. 1	1

325	Algorithmic Reduction of Biological Networks with Multiple Time Scales. 2021 , 15, 499-534	2
324	On coalitional manipulation for multiwinner elections: shortlisting. 2021 , 35, 1	
323	A local maximizer for lattice width of 3-dimensional hollow bodies. 2021 , 298, 129-142	1
322	Empowering the configuration-IP: new PTAS results for scheduling with setup times. <i>Mathematical Programming</i> , 1	
321	No-idle parallel-machine scheduling of unit-time jobs with a small number of distinct release dates and deadlines. 2021 , 132, 105315	2
320	Efficient computation of the oriented chromatic number of recursively defined digraphs. 2021 , 890, 16-16	
319	The Small Set Vertex Expansion Problem. 2021 , 886, 84-93	1
318	Local linear set on graphs with bounded twin cover number. 2021 , 170, 106118	
317	Approximate CVPp in time 20.802n. 2021 , 124, 129-129	1
316	The Complexity of Vector Partition. 2021 , 1-12	
316	The Complexity of Vector Partition. 2021, 1-12 The complexity landscape of decompositional parameters for ILP: Programs with few global variables and constraints. 2021, 300, 103561	0
	The complexity landscape of decompositional parameters for ILP: Programs with few global	0 2
315	The complexity landscape of decompositional parameters for ILP: Programs with few global variables and constraints. 2021 , 300, 103561 The Projection Games Conjecture and the hardness of approximation of super-SAT and related	
315	The complexity landscape of decompositional parameters for ILP: Programs with few global variables and constraints. 2021 , 300, 103561 The Projection Games Conjecture and the hardness of approximation of super-SAT and related problems. 2022 , 123, 186-201	
315 314 313	The complexity landscape of decompositional parameters for ILP: Programs with few global variables and constraints. 2021, 300, 103561 The Projection Games Conjecture and the hardness of approximation of super-SAT and related problems. 2022, 123, 186-201 Parameterized Complexity of Locally Minimal Defensive Alliances. 2021, 135-148	2
315 314 313 312	The complexity landscape of decompositional parameters for ILP: Programs with few global variables and constraints. 2021, 300, 103561 The Projection Games Conjecture and the hardness of approximation of super-SAT and related problems. 2022, 123, 186-201 Parameterized Complexity of Locally Minimal Defensive Alliances. 2021, 135-148 Scalable and QoS-Aware Resource Allocation to Heterogeneous Traffic Flows in 5G. 2021, 1-1	2
315 314 313 312 311	The complexity landscape of decompositional parameters for ILP: Programs with few global variables and constraints. 2021, 300, 103561 The Projection Games Conjecture and the hardness of approximation of super-SAT and related problems. 2022, 123, 186-201 Parameterized Complexity of Locally Minimal Defensive Alliances. 2021, 135-148 Scalable and QoS-Aware Resource Allocation to Heterogeneous Traffic Flows in 5G. 2021, 1-1 Worst-Case Complexity of the Optimal LLL Algorithm. 2000, 355-366	2 1 7

307	The Exact Lattice Width of Planar Sets and Minimal Arithmetical Thickness. 2006, 25-33	3
306	Covering minima and lattice point free convex bodies. 1986 , 193-213	4
305	Approximating integer lattices by lattices with cyclic factor groups. 1987, 386-393	13
304	Bin-Packing. 2006 , 426-441	4
303	Fast Reduction of Ternary Quadratic Forms. 2001 , 32-44	3
302	On the Complexity of Integer Programming in the Blum-Shub-Smale Computational Model. 2000 , 286-300	3
301	Fast 2-Variable Integer Programming. 2001 , 78-89	5
3 00	Exact Solutions for Closest String and Related Problems. 2001 , 441-453	31
299	An Approximation Scheme for the Two-Stage, Two-Dimensional Bin Packing Problem. 2002 , 315-328	5
298	Hard Equality Constrained Integer Knapsacks. 2002, 350-366	13
297	Threshold Phenomena in Random Lattices and Efficient Reduction Algorithms. 1999 , 476-489	1
296	Market Split and Basis Reduction: Towards a Solution of the CornuJbls-Dawande Instances. 1999 , 1-16	8
295	An Introduction to Empty Lattice Simplices. 1999 , 400-414	19
294	Pinwheel scheduling with two distinct numbers. 1989 , 281-290	2
293	The frobenius problem. 1989 , 242-251	3
292	Open problems in number theoretic complexity, II. 1994 , 291-322	27
291	Solving a Linear Diophantine Equation with Lower and Upper Bounds on the Variables. 1998 , 229-242	6
290	A Class of Hard Small 01 Programs. 1998 , 284-293	17

(2015-2009)

289	Experiments with Branching using General Disjunctions. 2009 , 101-118	12
288	Encyclopedia of Cryptography and Security. 2011 , 695-704	1
287	Theory and Applications of n-Fold Integer Programming. 2012 , 559-593	3
286	Integer Programming and Incidence Treedepth. 2019 , 194-204	1
285	Integer Conic Function Minimization Based on the Comparison Oracle. 2019 , 218-231	2
284	The Integrality Number of an Integer Program. 2020 , 338-350	4
283	Slide Reduction, Revisited Filling the Gaps in SVP Approximation. 2020, 274-295	10
282	A Fine-Grained View on Stable Many-To-One Matching Problems with Lower and Upper Quotas. 2020 , 31-44	2
281	Flags and Lattice Basis Reduction. 2001 , 37-51	7
280	Exploiting Symmetries in Polyhedral Computations. 2013 , 265-278	
		3
279	Parameterized Complexity Analysis for the Closest String with Wildcards Problem. 2014 , 140-149	2
279		
	Parameterized Complexity Analysis for the Closest String with Wildcards Problem. 2014 , 140-149	2
278	Parameterized Complexity Analysis for the Closest String with Wildcards Problem. 2014 , 140-149 The Complexity of Degree Anonymization by Vertex Addition. 2014 , 44-55	6
278	Parameterized Complexity Analysis for the Closest String with Wildcards Problem. 2014, 140-149 The Complexity of Degree Anonymization by Vertex Addition. 2014, 44-55 Semidefinite Bounds. 2014, 389-413	2 6 5
278 277 276	Parameterized Complexity Analysis for the Closest String with Wildcards Problem. 2014, 140-149 The Complexity of Degree Anonymization by Vertex Addition. 2014, 44-55 Semidefinite Bounds. 2014, 389-413 Enumeration. 2014, 351-388	2 6 5
278 277 276 275	Parameterized Complexity Analysis for the Closest String with Wildcards Problem. 2014, 140-149 The Complexity of Degree Anonymization by Vertex Addition. 2014, 44-55 Semidefinite Bounds. 2014, 389-413 Enumeration. 2014, 351-388 Minimum-Cost (b)-Edge Dominating Sets on Trees. 2014, 195-207	2 6 5 1

271	More Natural Models of Electoral Control by Partition. 2015 , 396-413	5
270	Elections with Few Candidates: Prices, Weights, and Covering Problems. 2015 , 414-431	5
269	Recognition of Digital Polyhedra with a Fixed Number of Faces. 2016 , 415-426	3
268	On Approximation Algorithms for Concave Mixed-Integer Quadratic Programming. 2016 , 1-13	2
267	Deciding Emptiness of the Gomory-ChvEal Closure is NP-Complete, Even for a Rational Polyhedron Containing No Integer Point. 2016 , 387-397	5
266	A Multivariate Approach for Checking Resiliency in Access Control. 2016 , 173-184	2
265	An EPTAS for Scheduling on Unrelated Machines of Few Different Types. 2017 , 497-508	5
264	Robustness Among Multiwinner Voting Rules. 2017 , 80-92	10
263	New (and Old) Proof Systems for Lattice Problems. 2018 , 619-643	7
262	Learning with Errors and Extrapolated Dihedral Cosets. 2018 , 702-727	3
261	Algorithms for Non-uniform Size Data Placement on Parallel Disks. 2003, 265-276	7
2 60	On the Complexity of Computing Units in a Number Field. 2004, 72-86	1
259	Complexity Analysis for Digital Hyperplane Recognition in Arbitrary Fixed Dimension. 2005, 287-298	3
258	New Directions and New Challenges in Algorithm Design and Complexity, Parameterized. 2003, 505-519	10
257	Polyhedral Approaches to Mixed Integer Linear Programming. 2010 , 343-385	15
256	Reformulation and Decomposition of Integer Programs. 2010 , 431-502	50
255	Integer Programming and Algorithmic Geometry of Numbers. 2010 , 505-559	7
254	Nonlinear Integer Programming. 2010 , 561-618	77

(2010-2008)

253	Copeland Voting Fully Resists Constructive Control. 2008, 165-176	6
252	A PTAS for Static Priority Real-Time Scheduling with Resource Augmentation. 2008, 246-257	8
251	Bin-Packing. 2008 , 449-465	2
250	Trading Hubs Construction for Electricity Markets. 2009 , 29-57	5
249	On the Structure of Small Motif Recognition Instances. 2008 , 269-281	13
248	Graph Layout Problems Parameterized by Vertex Cover. 2008 , 294-305	59
247	Parameterized Complexity of Coloring Problems: Treewidth versus Vertex Cover. 2009, 221-230	8
246	The History of the LLL-Algorithm. 2009 , 1-17	1
245	Progress on LLL and Lattice Reduction. 2009 , 145-178	5
244	The LLL Algorithm and Integer Programming. 2009 , 293-314	1
243	Deconstructing Intractability: A Case Study for Interval Constrained Coloring. 2009, 207-220	7
242	An EPTAS for Scheduling Jobs on Uniform Processors: Using an MILP Relaxation with a Constant Number of Integral Variables. 2009 , 562-573	4
241	Approximability of Sparse Integer Programs. 2009 , 83-94	11
240	Efficient Lattice Width Computation in Arbitrary Dimension. 2009 , 46-56	1
239	Cycles, Paths, Connectivity and Diameter in Distance Graphs. 2010, 320-328	2
238	Parallel Shortest Lattice Vector Enumeration on Graphics Cards. 2010 , 52-68	14
237	An OPT + 1 Algorithm for the Cutting Stock Problem with Constant Number of Object Lengths. 2010 , 438-449	2
236	Algorithms for Three Versions of the Shortest Common Superstring Problem. 2010 , 299-309	4

235	Why Large Closest String Instances Are Easy to Solve in Practice. 2010 , 106-117	4
234	Multivariate Complexity Analysis of Swap Bribery. 2010 , 107-122	2
233	Approximations and Partial Solutions for the Consensus Sequence Problem. 2011 , 168-173	6
232	Bin-Packing. 2012 , 499-516	4
231	A Fuzzy Logic Based Approach to Expressing and Reasoning with Uncertain Knowledge on the Semantic Web. 2012 , 167-181	2
230	Scheduling Jobs on Identical and Uniform Processors Revisited. 2012 , 109-122	4
229	Finding Vertex-Surjective Graph Homomorphisms. 2012 , 160-171	3
228	Enumerating Neighbour and Closest Strings. 2012 , 252-263	2
227	Configurations and Minority in the String Consensus Problem. 2012 , 42-53	3
226	Constant Thresholds Can Make Target Set Selection Tractable. 2012 , 120-133	9
225	On the Structure of Reduced Kernel Lattice Bases. 2013 , 1-12	1
224	Mirror-Descent Methods in Mixed-Integer Convex Optimization. 2013, 101-131	3
223	Pattern-Guided k-Anonymity. 2013 , 350-361	2
222	On Polynomial Kernels for Integer Linear Programs: Covering, Packing and Feasibility. 2013 , 647-658	5
221	Expanding the Expressive Power of Monadic Second-Order Logic on Restricted Graph Classes. 2013 , 164-177	3
220	Approximating Vector Scheduling: Almost Matching Upper and Lower Bounds. 2014 , 47-59	5
219	Scheduling under Resource Constraints. 1996 , 319-367	1
218	Bin-Packing. 2000 , 407-422	1

(2020-2002)

	Bin-Packing. 2002 , 407-422		1
216	Polynomial Kernels for Weighted Problems. 2015 , 287-298		2
215	What Happened with Knapsack Cryptographic Schemes?. 1988, 113-134		9
214	SCHEDULING INDEPENDENT FIXED-TYPE TASKS. 1989 , 225-236		9
213	Convexity and Discrete Optimization. 1993 , 675-698		1
212	Lattice Points. 1993 , 765-797		18
211	La rduction des reaux. Autour de l'algorithme de Lenstra, Lenstra, Lovez. 1989 , 23, 345-376		10
210	RBolution de programmes linBires entiers ou mixtes 🏿 l'aide de la forme normale de Hermite. 1997 , 31, 399-427		1
209	The computation of the fundamental unit of totally complex quartic orders. 1987, 48, 39-39		6
208	Invitation to Fixed-Parameter Algorithms. 2006 ,		75 ⁸
			/30
207	INTRODUCTION TO FIXED-PARAMETER ALGORITHMS. 2006 , 3-16		25
207			
,	INTRODUCTION TO FIXED-PARAMETER ALGORITHMS. 2006, 3-16	1.1	
206	INTRODUCTION TO FIXED-PARAMETER ALGORITHMS. 2006, 3-16 VERTEX COVERAN ILLUSTRATIVE EXAMPLE. 2006, 31-40	1.1	25 4
206	INTRODUCTION TO FIXED-PARAMETER ALGORITHMS. 2006, 3-16 VERTEX COVERAN ILLUSTRATIVE EXAMPLE. 2006, 31-40 Short Presburger Arithmetic Is Hard. SIAM Journal on Computing, STOC17-1-STOC17-30	1.1	25 4 1
206	INTRODUCTION TO FIXED-PARAMETER ALGORITHMS. 2006, 3-16 VERTEX COVERAN ILLUSTRATIVE EXAMPLE. 2006, 31-40 Short Presburger Arithmetic Is Hard. SIAM Journal on Computing, STOC17-1-STOC17-30 Efficient and exact data dependence analysis. 1991, 26, 1-14	1.1	25 4 1
206 205 204 203	INTRODUCTION TO FIXED-PARAMETER ALGORITHMS. 2006, 3-16 VERTEX COVERAN ILLUSTRATIVE EXAMPLE. 2006, 31-40 Short Presburger Arithmetic Is Hard. SIAM Journal on Computing, STOC17-1-STOC17-30 Efficient and exact data dependence analysis. 1991, 26, 1-14 Complexity of pattern-based verification for multithreaded programs. 2011, 46, 499-510	1.1	25 4 1 24 10

199	Time- and Space-optimal Algorithm for the Many-visits TSP. 2020 , 16, 1-22	3
198	Delivery Scope. 2020 ,	4
197	Voting and Bribing in Single-Exponential Time. 2020 , 8, 1-28	6
196	Tight Complexity Lower Bounds for Integer Linear Programming with Few Constraints. 2020 , 12, 1-19	2
195	Polynomiality for Bin Packing with a Constant Number of Item Types. 2020 , 67, 1-21	1
194	Minimum dimensional Hamming embeddings. 2017 , 11, 359-366	4
193	□□□□□□ 2001, 70, 845-853	1
192	Lattice Reformulation Cuts. 2021, 31, 2539-2557	
191	Randomized Algorithms for Geometric Optimization Problems. 2001 , 151-202	2
190	Scheduling under Resource Constraints. 2001 , 317-365	1
189	A Faster Algorithm for Two-Variable Integer Programming. 2003, 290-299	1
188	Three Kinds of Integer Programming Algorithms Based on Barvinok Rational Functions. 2004 , 244-255	O
187	The Shapes of Polyhedra. 2005 , 179-195	
186	Server Allocation Algorithms for Tiered Systems. 2005 , 632-643	1
185	An Implementation of the Generalized Basis Reduction Algorithm for Integer Programming. 2005 , 211-217	
184	Routing and Wavelength Assignment in Generalized WDM Tree Networks of Bounded Degree. 2005 , 57-67	
183	ZUKUNFTSMUSIK. 2006 , 277-278	
182	THE ART OF PROBLEM PARAMETERIZATION. 2006 , 41-48	1

(2010-2006)

181	PRELIMINARIES AND AGREEMENTS. 2006 , 17-21	
180	CONNECTIONS TO APPROXIMATION ALGORITHMS. 2006 , 237-242	
179	SUMMARY AND CONCLUDING REMARKS. 2006 , 201-202	
178	DEPTH-BOUNDED SEARCH TREES. 2006 , 88-123	
177	SUMMARY AND CONCLUDING REMARKS. 2006 , 49-50	
176	TREE DECOMPOSITIONS OF GRAPHS. 2006 , 150-176	
175	PARAMETERIZED COMPLEXITY THEORY PRIMER. 2006, 22-30	
174	DATA REDUCTION AND PROBLEM KERNELS. 2006 , 53-87	
173	DYNAMIC PROGRAMMING. 2006 , 124-149	
172	SELECTED CASE STUDIES. 2006, 243-276	
171	PARAMETERIZED COMPLEXITY THEORY. 2006 , 205-236	
170	FURTHER ADVANCED TECHNIQUES. 2006 , 177-200	
169	Testing for optimality in the absence of convexity. 2008, 131-148	
168	Encyclopedia of Algorithms. 2008 , 62-65	
167	Neighborhood Systems for Production Sets with Indivisibilities. 2008 , 105-130	
166	Polynomial Approximation Schemes for the Max-Min Allocation Problem under a Grade of Service Provision. 2009 , 1-13	
165	Presenting Constraints. 2009 , 1-15	1
164	Bin Packing with Fixed Number of Bins Revisited. 2010 , 260-272	2

163	Le probline du bin-packing. 2010, 475-492	1
162	Parameterizing by the Number of Numbers. 2010 , 123-134	2
161	Bin-Packing. 2011 , 475-493	
160	Mathematical Programming and Economic Theory. 2011 , 135-143	
159	On the Complexity of the l-diversity Problem. 2011 , 266-277	3
158	Parameterized Complexity Results for 1-safe Petri Nets. 2011 , 358-372	O
157	Using the Inhomogeneous Simultaneous Approximation Problem for Cryptographic Design. 2011 , 242-259	
156	Bin-Packing. 2012 , 471-488	3
155	New Attacks for Knapsack Based Cryptosystems. 2012 , 326-342	1
154	A O(1/᠒)n-Time Sieving Algorithm for Approximate Integer Programming. 2012 , 207-218	2
153	A Basic Parameterized Complexity Primer. 2012 , 91-128	2
152	Tractable Reasoning Problems with Fully-Characterized Association Rules. 2012 , 282-295	O
151	The Birth and Early Years of Parameterized Complexity. 2012 , 17-38	7
150	Approximation Algorithms for Scheduling and Packing Problems. 2012 , 1-8	
149	Parameterized Complexity of Control and Bribery for d-Approval Elections. 2013, 260-271	
148	Presburger Arithmetic, Rational Generating Functions, and Quasi-Polynomials. 2013, 410-421	1
147	Approximation Schemes for the 3-Partitioning Problems. 2013 , 05, 90-95	
146	Tractable Parameterizations for the Minimum Linear Arrangement Problem. 2013 , 457-468	

(1993-2013)

Further Elementary Techniques. 2013, 131-141 145 The Task Allocation Problem. 23-47 144 On the String Consensus Problem and the Manhattan Sequence Consensus Problem. 2014, 244-255 143 1 On the Parikh Membership Problem for FAs, PDAs, and CMs. 2014, 14-31 142 Encyclopedia of Algorithms. 2014, 1-4 141 Processing Succinct Matrices and Vectors. 2014, 245-258 140 Linear Inequalities and Polyhedra. 2014, 85-128 139 O Reformulations and Relaxations. 2014, 321-350 138 Combinatorial Voter Control in Elections. 2014, 153-164 Valid Inequalities for Structured Integer Programs. 2014, 281-319 136 Encyclopedia of Algorithms. 2014, 1-5 135 Getting Started. 2014, 1-44 134 On Reduction Algorithms in Non Linear Integer Mathematical Programming. 1984, 289-295 133 A more efficient algorithm for lattice basis reduction. 1986, 359-369 132 6 Literaturverzeichnis. 1989, 170-174 131 Computability and Complexity of Polynomial Optimization Problems. 1992, 1-23 130 Resource Constrained Scheduling. 1993, 193-235 129 Algorithmes de poursuite pour la rEolution de programmes (lin lires) en nombres entiers. 1993, 128 27, 307-318

127	Resource Constrained Scheduling. 1994 , 192-234
126	An elementary algorithmic problem from an advanced standpoint. 1994 , 344-357
125	About solving linear integer programs through Hermite Normal Form decomposition. 1996 , 489-496
124	Deciphering Threshold Functions of k -Valued Logic. 1997 , 321-326
123	L. 1997 , 343-360
122	A New Transference Theorem in the Geometry of Numbers. 1999 , 113-122
121	The Task Allocation Problem. 23-47
120	General Bibliography. 365-399
119	An Invitation to Ehrhart Theory: Polyhedral Geometry and its Applications in Enumerative Combinatorics. 2015 , 1-29
118	Privacy in Elections: k-Anonymizing Preference Orders. 2015 , 299-310
117	Encyclopedia of Algorithms. 2015 , 1-6
116	Harmonious Coloring: Parameterized Algorithms and Upper Bounds. 2016 , 245-256
115	Centerpoints: A Link Between Optimization and Convex Geometry. 2016 , 14-25
114	Encyclopedia of Algorithms. 2016 , 624-628
113	Encyclopedia of Algorithms. 2016 , 141-145
112	Encyclopedia of Algorithms. 2016 , 131-133
111	1 1
110	A Review of Modern Cryptography: From the World War II Era to the Big-Data Era. 2017 , 101-120

109	Enumeration of Integer Points in Projections of Unbounded Polyhedra. 2017 , 417-429		
108	Satisfying Neighbor Preferences on a Circle. 2018 , 727-740		1
107	Using Structural Properties for Integer Programs. 2018 , 89-96		
106	Bin-Packing. 2018 , 517-535		
105	A Unified Framework for Designing EPTASE for Load Balancing on Parallel Machines. 2018 , 224-233		
104	A novel structure-based control method for analyzing nonlinear dynamics in biological networks.		
103	A Fast Algorithm for Unbounded Monotone Integer Linear Systems with Two Variables per Inequality via Graph Decomposition. 2019 , 209-218		
102	The Mersenne Low Hamming Combination Search Problem Can Be Reduced to an ILP Problem. 2019 , 41-55		
101	Parameterized Complexity of Safe Set. 2019 , 38-49		2
100	A novel network controllability algorithm to target personalized driver genes for discovering combinational drugs of individual cancer patient.		
99	Iterated Type Partitions. 2020 , 195-210		O
98	The Small Set Vertex Expansion Problem. 2020 , 257-269		
97	Parameterized Dynamic Variants of Red-Blue Dominating Set. 2020, 236-247		О
96	Polyhedral Circuits and Their Applications. 2020 , 13-24		
95	Parameterized Complexity of Defensive and Offensive Alliances in Graphs. 2021, 175-187		3
94	Parameterized Complexity of Maximum Edge Colorable Subgraph. 2020 , 615-626		O
93	Graph Square Roots of Small Distance from Degree One Graphs. 2020 , 116-128		О
92	More on ordered open end bin packing. <i>Journal of Scheduling</i> , 2021 , 24, 589	1.6	O

91 Other Public-Key Cryptosystems and Protocols. **2005**, 361-412

90	Complexity of Exchange Markets. 2008 , 689-705	1
89	Bin-Packing. 2008 , 485-502	1
88	Reducing the Coefficients of a Two-Dimensional Integer Linear Constraint. 2008, 205-216	
87	References. 2020 , 291-309	
86	Piecewise Linear Valued Constraint Satisfaction Problems with Fixed Number of Variables. 2021 , 265-276	
85	Optimization of eigenvalue bounds for the independence and chromatic number of graph powers. 2022 , 345, 112706	О
84	Automated and personalized meal plan generation and relevance scoring using a multi-factor adaptation of the transportation problem. 1	3
83	The Covering Radius and a Discrete Surface Area for Non-Hollow Simplices 2022, 67, 65-111	2
82	EPTAS for Load Balancing Problem on Parallel Machines with a Non-renewable Resource. 2021 , 99-116	
81	Optimization for Project Scheduling. 2021 , 51-78	
80	Complexity of Shift Bribery in Committee Elections. 2021 , 13, 1-25	
79	Parameterized complexity of satisfactory partition problem. 2022,	
78	Standard pairs for monomial ideals in semigroup rings. 2022 , 226, 107036	
77	Envy-free allocations respecting social networks. 2022 , 305, 103664	2
76	OUP accepted manuscript.	
75	Lower bounds on the size of general branch-and-bound trees. <i>Mathematical Programming</i> , 1 2.1	3
74	Rational Modular Encoding in the DCR Setting: Non-interactive Range Proofs and Paillier-Based Naor-Yung in the Standard Model. 2022 , 615-646	1

56

On the Harmless Set Problem Parameterized by Treewidth. 2022, 227-238 73 Integer programs with bounded subdeterminants and two nonzeros per row. 2022, 72 On the optimality of pseudo-polynomial algorithms for integer programming. Mathematical 2.1 71 Programming, 1 Enumerating Integer Points in Polytopes with Bounded Subdeterminants. 2022, 36, 449-460 70 Computing the Covering Radius of a Polytope with an Application to Lonely Runners. 1 69 68 Target Set Selection in Dense Graph Classes. 2022, 36, 536-572 67 Exploring the gap between treedepth and vertex cover through vertex integrity. 2022, 1 A general scheme for solving a large set of scheduling problems with rejection in FPT time. Journal 66 1.6 of Scheduling, 1 Faster Provable Sieving Algorithms for the Shortest Vector Problem and the Closest Vector 65 2 Problem on Lattices in B Norm. 2021, 14, 362 64 Robust minimum cost flow problem under consistent flow constraints. 1 Techniques and results on approximation algorithms for packing circles. 1 63 O Algorithms and Complexities of Matching Variants in Covariate Balancing. Operations Research, 62 2.3 61 Graph Square Roots of Small Distance from Degree One Graphs. Covering Convex Bodies and the Closest Vector Problem.. 2022, 67, 1191-1210 60 A parameterized view to the robust recoverable base problem of matroids under structural 59 uncertainty. 2022, 50, 370-375 58 On \$\$Delta \$\$-modular integer linear problems in the canonical form and equivalent problems. 1 Lattice-Free Simplices with Lattice Width \$\$2d - o(d)\$\$. 2022, 375-386 57

Approximate \$\$mathrm {CVP}_{}\$\$ in Time \$\$2^{0.802 n}\$\$ - Now in Any Norm!. 2022, 440-453

55	On the integrality gap of binary integer programs with Gaussian data. Mathematical Programming,	2.1
54	Matrices of Optimal Tree-Depth and a Row-Invariant Parameterized Algorithm for Integer Programming. <i>SIAM Journal on Computing</i> , 2022 , 51, 664-700	1.1
53	Improved Approximation Schemes for Early Work Scheduling on Identical Parallel Machines with a Common Due Date. <i>Journal of the Operations Research Society of China</i> ,	1.3 2
52	On the tractability of hard scheduling problems with generalized due-dates with respect to the number of different due-dates. <i>Journal of Scheduling</i> ,	1.6 1
51	Parameterized Complexity of Maximum Edge Colorable Subgraph. Algorithmica,	0.9
50	Maximum Entropy Distributions with Applications to Graph Simulation. Operations Research,	2.3
49	Complexity of optimizing over the integers. Mathematical Programming,	2.1 0
48	Copyright Page. 2006 , iv-iv	
47	PREFACE. 2006 , v-v	
46	Grundy Distinguishes Treewidth from Pathwidth. 2022 , 36, 1761-1787	
45	On Lattice Width of Lattice-Free Polyhedra and Height of Hilbert Bases. 2022, 36, 1918-1942	
44	A Fine-Grained View on Stable Many-To-One Matching Problems with Lower and Upper Quotas.	
43	A Note on Coloring \$\$(4K_1, C_4, C_6)\$\$-Free Graphs with a \$\$C_7\$\$. 2022 , 38,	O
42	Further parameterized algorithms for the F-free edge deletion problem. 2022 , 933, 125-137	O
41	Incentivizing shared rides in e-hailing markets: Dynamic discounting. 2022, 144, 103879	1
40	An Algorithmic Framework for Locally Constrained Homomorphisms. 2022 , 114-128	O
39	On Improved Interval Cover Mechanisms for 'Crowdsourcing Markets. 2022 , 94-112	О
38	Optimal Line Planning in the Parametric City. 2022 , 39-44	O

37	On Integer Programming, Discrepancy, and Convolution.	О
36	Equitable scheduling on a single machine.	Ο
35	In memoriam Gerhard Woeginger. 2022 , 25, 503-505	0
34	Target Set Selection Parameterized by Vertex Cover and More. 2022 , 66, 996-1018	Ο
33	Branch-and-bound solves random binary IPs in poly(n)-time.	0
32	Block-structured integer programming: Can we parameterize without the largest coefficient?. 2022 , 46, 100743	O
31	Approximation algorithms for a virtual machine allocation problem with finite types. 2023, 180, 106339	0
30	Fair and efficient allocation with few agent types, few item types, or small value levels. 2023 , 314, 103820	Ο
29	Building large k-cores from sparse graphs. 2023 , 132, 68-88	0
28	Algorithms and Computational Complexity. 2023 , 79-93	Ο
27	Algorithmic Applications of Tree-Cut Width. 2022, 36, 2635-2666	0
26	Parameterized Complexity of Envy-Free Resource Allocation in Social Networks. 2022 , 103826	O
25	The price of symmetric line plans in the Parametric City. 2022 , 166, 419-443	0
24	Preserving Consistency for Liquid Knapsack Voting. 2022 , 221-238	O
23	Multi-Parameter Analysis of Finding Minors and Subgraphs in Edge-Periodic Temporal Graphs. 2023 , 283-297	0
22	Exact algorithms and approximation schemes for proportionate flow shop scheduling with step-deteriorating processing times.	O
21	Exact Algorithms for Multi-Module Capacitated Lot-Sizing Problem, and its Generalizations with Two-Echelons and Piecewise Concave Production Costs*. 1-36	0
20	On the parameterized complexity of minimum/maximum degree vertex deletion on several special graphs. 2023 , 17,	O

19	A new perspective on single-machine scheduling problems with late work related criteria.	0
18	An approximation algorithm for indefinite mixed integer quadratic programming.	O
17	Fixed-Parameter Analysis of Preemptive Uniprocessor Scheduling Problems. 2022,	0
16	Structural Parameterizations for Equitable Coloring: Complexity, FPT Algorithms, and Kernelization.	0
15	The computational complexity of knot genus in a fixed 3-manifold.	0
14	A multivariate complexity analysis of the material consumption scheduling problem.	0
13	A refined complexity analysis of fair districting over graphs. 2023 , 37,	0
12	Polynomial Upper Bounds on the Number of Differing Columns of EModular Integer Programs.	1
11	Online Minimization of the Maximum Starting Time: Migration Helps.	0
10	Structural Parameterization of Alliance Problems. 2023 , 447-459	O
9	Constructing bounded degree graphs with prescribed degree and neighbor degree sequences. 2023 , 332, 47-61	0
8	Grid recognition: Classical and parameterized computational perspectives. 2023 , 136, 17-62	O
7	On Structural Parameterizations of Star Coloring. 2023 , 159-171	1
6	The Maximum Zero-Sum Partition Problem. 2022 , 73-85	O
5	The Complexity of the Shortest Vector Problem. 2023, 54, 37-61	O
4	Structural Parameterization of Cluster Deletion. 2023 , 371-383	O
3	Introduction to Public-Key Cryptosystems and Hotspot Analysis Based on CiteSpace. 2022,	0
2	Development of a personalized diet using the structural optimization method. 2023 , 6, 64-71	O

EPTAS for load balancing problem on parallel machines with a non-renewable resource. **2023**, 48, 100775

О