Jacek BÅ‚aÅ¼ewicz

List of Publications by Year
in descending order

274 papers	7,649 citations	76326 40 h-index	76900 74 g-index
291 all docs	291 docs citations	291 times ranked	4642 citing authors

#	Article	IF	Citations
1	Scheduling subject to resource constraints: classification and complexity. Discrete Applied Mathematics, 1983, 5, 11-24.	0.9	1,142
2	Automated 3D structure composition for large RNAs. Nucleic Acids Research, 2012, 40, e112-e112.	14.5	564
3	The job shop scheduling problem: Conventional and new solution techniques. European Journal of Operational Research, 1996, 93, 1-33.	5.7	458
4	Scheduling Multiprocessor Tasks to Minimize Schedule Length. IEEE Transactions on Computers, 1986, C-35, 389-393.	3.4	216
5	Scheduling Computer and Manufacturing Processes. , 2001, , .		147
6	Mathematical programming formulations for machine scheduling: A survey. European Journal of Operational Research, 1991, 51, 283-300.	5.7	137
7	RNA FRABASE 2.0: an advanced web-accessible database with the capacity to search the three-dimensional fragments within RNA structures. BMC Bioinformatics, 2010, 11, 231.	2.6	130
8	Automated RNA 3D Structure Prediction with RNAComposer. Methods in Molecular Biology, 2016, 1490, 199-215.	0.9	118
9	Vehicle scheduling in two-cycle flexible manufacturing systems. Mathematical and Computer Modelling, 1994, 20, 19-31.	2.0	112
10	An improved approximation algorithm for the single machine total completion time scheduling problem with availability constraints. European Journal of Operational Research, 2005, 161, 3-10.	5.7	109
11	Two-machine flow shops with limited machine availability. European Journal of Operational Research, 2002, 136, 528-540.	5.7	105
12	RNApdbee 2.0: multifunctional tool for RNA structure annotation. Nucleic Acids Research, 2018, 46, W30-W35.	14.5	81
13	Divisible task scheduling â€“ Concept and verification. Parallel Computing, 1999, 25, 87-98.	2.1	80
14	Using a tabu search approach for solving the two-dimensional irregular cutting problem. Annals of Operations Research, 1993, 41, 313-325.	4.1	78
15	Scheduling tasks and vehicles in a flexible manufacturing system. Flexible Services and Manufacturing Journal, 1991, 4, 5-16.	0.4	70
16	New trends in machine scheduling. European Journal of Operational Research, 1988, 37, 303-317.	5.7	69
17	The disjunctive graph machine representation of the job shop scheduling problem. European Journal of Operational Research, 2000, 127, 317-331.	5.7	69
18	Scheduling divisible jobs on hypercubesâ€. Parallel Computing, 1995, 21, 1945-1956.	2.1	66

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19	Distributed processing of divisible jobs with communication startup costs. Discrete Applied Mathematics, 1997, 76, 21-41.	0.9	63
20	Good Laboratory Practice for optimization research. Journal of the Operational Research Society, 2016, 67, 676-689.	3.4	63
21	RNApdbeeâ€”a webserver to derive secondary structures from pdb files of knotted and unknotted RNAs. Nucleic Acids Research, 2014, 42, W368-W372.	14.5	61
22	An analysis of the Petri net based model of the human body iron homeostasis process. Computational Biology and Chemistry, 2007, 31, 1-10.	2.3	60
23	Scheduling Malleable Tasks on Parallel Processors to Minimize the Makespan. Annals of Operations Research, 2004, 129, 65-80.	4.1	58
24	Heuristic algorithms for the two-machine flowshop with limited machine availability. Omega, 2001, 29, 599-608.	5.9	57
25	A simulated annealing hyper-heuristic methodology for flexible decision support. 4or, 2012, 10, 43-66.	1.6	57
26	Minimizing mean weighted execution time loss on identical and uniform processors. Information Processing Letters, 1987, 24, 259-263.	0.6	56
27	DNA Sequencing With Positive and Negative Errors. Journal of Computational Biology, 1999, 6, 113-123.	1.6	55
28	Algorithm 520: An Automatic Revised Simplex Method for Constrained Resource Network Scheduling [H]. ACM Transactions on Mathematical Software, 1977, 3, 295-300.	2.9	53
29	The two-machine flow-shop problem with weighted late work criterion and common due date. European Journal of Operational Research, 2005, 165, 408-415.	5.7	52
30	Protein alignment algorithms with an efficient backtracking routine on multiple GPUs. BMC Bioinformatics, 2011, 12, 181.	2.6	51
31	Open shop scheduling problems with late work criteria. Discrete Applied Mathematics, 2004, 134, 1-24.	0.9	50
32	Complexity of DNA sequencing by hybridization. Theoretical Computer Science, 2003, 290, 1459-1473.	0.9	49
33	On some properties of DNA graphs. Discrete Applied Mathematics, 1999, 98, 1-19.	0.9	48
34	ProCKSI: a decision support system for Protein (Structure) Comparison, Knowledge, Similarity and Information. BMC Bioinformatics, 2007, 8, 416.	2.6	48
35	Scheduling on parallel identical machines with late work criterion: Offline and online cases. Journal of Scheduling, 2016, 19, 729-736.	1.9	48
36	Homologous Crossovers among Molecules of Brome Mosaic Bromovirus RNA1 or RNA2 Segments In Vivo. Journal of Virology, 2005, 79, 5732-5742.	3.4	45

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37	Preemptable malleable task scheduling problem. IEEE Transactions on Computers, 2006, 55, 486-490.	3.4	44
38	Berth and quay crane allocation: a moldable task scheduling model. Journal of the Operational Research Society, 2011, 62, 1189-1197.	3.4	44
39	-MSA â€" A GPU-based, fast and accurate algorithm for multiple sequence alignment. Journal of Parallel and Distributed Computing, 2013, 73, 32-41.	4.1	44
40	Tabu search for DNA sequencing with false negatives and false positives. European Journal of Operational Research, 2000, 125, 257-265.	5.7	43
41	Sorting signal targeting mRNA into hepatic extracellular vesicles. RNA Biology, 2014, 11, 836-844.	3.1	42
42	A linear time algorithm for restricted bin packing and scheduling problems. Operations Research Letters, 1983, 2, 80-83.	0.7	41
43	Handbook on Scheduling. , 2019, , .		41
44	Scheduling a divisible task in a two-dimensional toroidal mesh. Discrete Applied Mathematics, 1999, 94, 35-50.	0.9	40
45	Metaheuristic approaches for the two-machine flow-shop problem with weighted late work criterion and common due date. Computers and Operations Research, 2008, 35, 574-599.	4.0	40
46	Scheduling independent 2-processor tasks to minimize schedule length. Information Processing Letters, 1984, 18, 267-273.	0.6	39
47	Scheduling multiprocessor tasks on a dynamic configuration of dedicated processors. Annals of Operations Research, 1995, 58, 493-517.	4.1	38
48	Hybrid Genetic Algorithm for DNA Sequencing with Errors. Journal of Heuristics, 2002, 8, 495-502.	1.4	38
49	Cloud Brokering: Current Practices and Upcoming Challenges. IEEE Cloud Computing, 2015, 2, 40-47.	3.9	38
50	Scheduling with resource management in manufacturing systems. European Journal of Operational Research, 1994, 76, 1-14.	5.7	36
51	A heuristic managing errors for DNA sequencing. Bioinformatics, 2002, 18, 652-660.	4.1	36
52	Selected Topics in Scheduling Theory. North-Holland Mathematics Studies, 1987, 132, 1-59.	0.2	34
53	Automated 3D RNA Structure Prediction Using the RNAComposer Method for Riboswitches1. Methods in Enzymology, 2015, 553, 3-34.	1.0	34
54	A comparison of solution procedures for two-machine flow shop scheduling with late work criterion. Computers and Industrial Engineering, 2005, 49, 611-624.	6.3	33

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55	Deadline scheduling of tasks with ready times and resource constraints. Information Processing Letters, 1979, 8, 60-63.	0.6	32
56	Scheduling preemptable tasks on parallel processors with limited availability. Parallel Computing, 2000, 26, 1195-1211.	2.1	32
57	Scheduling preemptive multiprocessor tasks on dedicated processors. Performance Evaluation, 1994, 20, 361-371.	1.2	31
58	New in silico approach to assessing RNA secondary structures with non-canonical base pairs. BMC Bioinformatics, 2015, 16, 276.	2.6	31
59	Hypercycle. PLoS Computational Biology, 2016, 12, e1004853.	3.2	29
60	Complexity of late work minimization in flow shop systems and a particle swarm optimization algorithm for learning effect. Computers and Industrial Engineering, 2017, 111, 176-182.	6.3	27
61	Minimizing mean flow-time with parallel processors and resource constraints. Acta Informatica, 1987, 24, 513-524.	0.5	26
62	Scheduling multiprocessor tasks with chain constraints. European Journal of Operational Research, 1996, 94, 231-241.	5.7	26
63	Construction of DNA restriction maps based on a simplified experiment. Bioinformatics, 2001, 17, 398-404.	4.1	25
64	A note on the two machine job shop with the weighted late work criterion. Journal of Scheduling, 2007, 10, 87-95.	1.9	25
65	DNA Sequencingâ€”Tabu and Scatter Search Combined. INFORMS Journal on Computing, 2004, 16, 232-240.	1.7	24
66	Internet shopping optimization problem. International Journal of Applied Mathematics and Computer Science, 2010, 20, 385-390.	1.5	24
67	RNAssessâ€”a web server for quality assessment of RNA 3D structures. Nucleic Acids Research, 2015, 43, W502-W506.	14.5	24
68	Preemptive multiprocessor task scheduling with release times and time windows. Annals of Operations Research, 1997, 70, 43-55.	4.1	23
69	Application of tabu search strategy for finding low energy structure of protein. Artificial Intelligence in Medicine, 2005, 35, 135-145.	6.5	23
70	Petri net based model of the body iron homeostasis. Journal of Biomedical Informatics, 2007, 40, 476-485.	4.3	23
71	Scheduling of coupled tasks with unit processing times. Journal of Scheduling, 2010, 13, 453-461.	1.9	23
72	Simple algorithms for multiprocessor scheduling to meet deadlines. Information Processing Letters, 1977, 6, 162-164.	0.6	22

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73	Scheduling tasks on two processors with deadlines and additional resources. European Journal of Operational Research, 1986, 26, 364-370.	5.7	22
74	Scheduling multiprocessor tasks on parallel processors with limited availability. European Journal of Operational Research, 2003, 149, 377-389.	5.7	22
75	Selected combinatorial problems of computational biology. European Journal of Operational Research, 2005, 161, 585-597.	5.7	22
76	RNAlyzerâ€"novel approach for quality analysis of RNA structural models. Nucleic Acids Research, 2013, 41, 5978-5990.	14.5	22
77	Fully polynomial time approximation scheme to maximize early work on parallel machines with common due date. European Journal of Operational Research, 2020, 284, 67-74.	5.7	22
78	Time-Stamp Approach to Store-and-Forward Deadlock Prevention. IEEE Transactions on Communications, 1987, 35, 490-495.	7.8	21
79	Internet shopping with price sensitive discounts. 4or, 2014, 12, 35-48.	1.6	21
80	Some aspects of the anemia of chronic disorders modeled and analyzed by petri net based approach. Bioprocess and Biosystems Engineering, 2011, 34, 581-595.	3.4	19
81	RNA tertiary structure determination: NOE pathways construction by tabu search. Bioinformatics, 2005, 21, 2356-2361.	4.1	18
82	Whole genome assembly from 454 sequencing output via modified DNA graph concept. Computational Biology and Chemistry, 2009, 33, 224-230.	2.3	18
83	Hepatitis C virus quasispecies in chronically infected children subjected to interferonâ€"ribavirin therapy. Archives of Virology, 2010, 155, 1977-1987.	2.1	18
84	Scheduling independent two processor tasks on a uniform duo-processor system. Discrete Applied Mathematics, 1990, 28, 11-20.	0.9	17
85	Preemptive scheduling of multiprocessor tasks on the dedicated processor system subject to minimal lateness. Information Processing Letters, 1993, 46, 109-113.	0.6	17
86	Scheduling multiprocessor tasks of three dedicated processors information processing letters 41 (5) (1992) 275â€"280. Information Processing Letters, 1994, 49, 269-270.	0.6	17
87	The complexity of two group scheduling problems. Journal of Scheduling, 2002, 5, 477-485.	1.9	17
88	Multi-agent model of hepatitis C virus infection. Artificial Intelligence in Medicine, 2014, 60, 123-131.	6.5	17
89	SphereGrinder - reference structure-based tool for quality assessment of protein structural models. , 2015, , .		17
90	AmiRNA Designer - new method of artificial miRNA design.. Acta Biochimica Polonica, 2016, 63, 71-77.	0.5	17

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91	Semi-online scheduling on two identical machines with a common due date to maximize total early work. Discrete Applied Mathematics, 2021, 290, 71-78.	0.9	17
92	A preemptive open shop scheduling problem with one resource. Operations Research Letters, 1991, 10, 9-15.	0.7	16
93	Some preemptive open shop scheduling problems with a renewable or a nonrenewable resource. Discrete Applied Mathematics, 1992, 35, 205-219.	0.9	16
94	Review of properties of different precedence graphs for scheduling problems. European Journal of Operational Research, 2002, 142, 435-443.	5.7	16
95	Parallel tabu search approaches for two-dimensional cutting. Parallel Processing Letters, 2004, 14, 23-32.	0.6	16
96	Sequencing by hybridization with isothermic oligonucleotide libraries. Discrete Applied Mathematics, 2004, 145, 40-51.	0.9	16
97	DNA Sequencing by Hybridization via Genetic Search. Operations Research, 2006, 54, 1185-1192.	1.9	16
98	Coordination number prediction using learning classifier systems. , 2006, , .		16
99	New algorithms for coupled tasks scheduling â€“ a survey. RAIRO - Operations Research, 2012, 46, 335-353.	1.8	16
100	A hyper-heuristic approach to sequencing by hybridization of DNA sequences. Annals of Operations Research, 2013, 207, 27-41.	4.1	16
101	Graph algorithms for DNA sequencing â€“ origins, current models and the future. European Journal of Operational Research, 2018, 264, 799-812.	5.7	16
102	PUM1 and PUM2 exhibit different modes of regulation for SIAH1 that involve cooperativity with NANOS paralogues. Cellular and Molecular Life Sciences, 2019, 76, 147-161.	5.4	16
103	Scheduling unit â€” time tasks on flow â€— shops under resource constraints. Annals of Operations Research, 1988, 16, 255-266.	4.1	15
104	An Algorithm for an Automatic NOE Pathways Analysis of 2D NMR Spectra of RNA Duplexes. Journal of Computational Biology, 2004, 11, 163-179.	1.6	15
105	The Orderly Colored Longest Path Problem â€“ a survey of applications and new algorithms. RAIRO - Operations Research, 2014, 48, 25-51.	1.8	15
106	Novel dual discounting functions for the Internet shopping optimization problem: new algorithms. Journal of Scheduling, 2016, 19, 245-255.	1.9	15
107	NPM1 alternative transcripts are upregulated in acute myeloid and lymphoblastic leukemia and their expression level affects patient outcome. Journal of Translational Medicine, 2018, 16, 232.	4.4	15
108	A TABU SEARCH STRATEGY FOR FINDING LOW ENERGY STRUCTURES OF PROTEINS IN HP-MODEL*. Computational Methods in Science and Technology, 2004, 10, 7-19.	0.3	15

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109	Tabu search algorithm for DNA sequencing by hybridization with isothermic libraries. Computational Biology and Chemistry, 2004, 28, 11-19.	2.3	14
110	Exact and heuristic algorithms for scheduling on two identical machines with early work maximization. Computers and Industrial Engineering, 2020, 144, 106449.	6.3	14
111	Deadlock-Resistant Flow Control Procedures for Store-and-Forward Networks. IRE Transactions on Communications Systems, 1984, 32, 884-887.	0.6	13
112	A local search approach for two-dimensional irregular cutting. OR Spectrum, 1995, 17, 93-98.	3.4	13
113	Deadline scheduling of multiprocessor tasks. Discrete Applied Mathematics, 1996, 65, 81-95.	0.9	13
114	On the recognition of de Bruijn graphs and their induced subgraphs. Discrete Mathematics, 2002, 245, 81-92.	0.7	13
115	Evolutionary Approaches to DNA Sequencing with Errors. Annals of Operations Research, 2005, 138, 67-78.	4.1	13
116	Computational complexity of isothermic DNA sequencing by hybridization. Discrete Applied Mathematics, 2006, 154, 718-729.	0.9	13
117	An integrated model for the transshipment yard scheduling problem. Journal of Scheduling, 2017, 20, 57-65.	1.9	13
118	Solving the resource constrained deadline scheduling problem via reduction to the network flow problem. European Journal of Operational Research, 1981, 6, 75-79.	5.7	12
119	Some operations research methods for analyzing protein sequences and structures. Annals of Operations Research, 2010, 175, 9-35.	4.1	12
120	Modeling of the catalytic core of Arabidopsis thaliana Dicer-like 4 protein and its complex with double-stranded RNA. Computational Biology and Chemistry, 2017, 66, 44-56.	2.3	12
121	Two-machine flow-shop scheduling to minimize total late work: revisited. Engineering Optimization, 2019, 51, 1268-1278.	2.6	12
122	Linear algorithms for preemptive scheduling of multiprocessor tasks subject to minimal lateness. Discrete Applied Mathematics, 1997, 72, 25-46.	0.9	11
123	Recent advances in scheduling in computer and manufacturing systems. European Journal of Operational Research, 2005, 164, 573-574.	5.7	11
124	Dealing with repetitions in sequencing by hybridization. Computational Biology and Chemistry, 2006, 30, 313-320.	2.3	11
125	Some operations research methods for analyzing protein sequences and structures. 4or, 2006, 4, 91-123.	1.6	11
126	Web and Grid Technologies in Bioinformatics, Computational and Systems Biology: A Review. Current Bioinformatics, 2008, 3, 10-31.	1.5	11

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127	ModeLang: A New Approach for Experts-Friendly Viral Infections Modeling. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-8.	1.3	11
128	Unified encoding for hyper-heuristics with application to bioinformatics. Central European Journal of Operations Research, 2014, 22, 567-589.	1.8	11
129	Computer Representations of Bioinformatics Models. Current Bioinformatics, 2016, 11, 551-560.	1.5	11
130	RNAvista: a webserver to assess RNA secondary structures with non-canonical base pairs. Bioinformatics, 2019, 35, 152-155.	4.1	11
131	From HP Lattice Models to Real Proteins: Coordination Number Prediction Using Learning Classifier Systems. Lecture Notes in Computer Science, 2006, , 208-220.	1.3	11
132	E-Commerce Evaluation â€“ Multi-Item Internet Shopping. Optimization and Heuristic Algorithms. Operations Research Proceedings: Papers of the Annual Meeting = VortrÃge Der Jahrestagung / DGOR, 2011, , 149-154.	0.1	11
133	Scheduling complete intrees on two uniform processors with communication delays. Information Processing Letters, 1996, 58, 255-263.	0.6	10
134	Total Late Work Criteria for Shop Scheduling Problems. , 2000, , 354-359.		10
135	A novel representation of graph structures in web mining and data analysis. Omega, 2005, 33, 65-71.	5.9	10
136	Simplified Partial Digest Problem: Enumerative and Dynamic Programming Algorithms. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2007, 4, 668-680.	3.0	10
137	Finding Hamiltonian circuits in quasi-adjoint graphs. Discrete Applied Mathematics, 2008, 156, 2573-2580.	0.9	10
138	Combinatorial optimization issues in scheduling. Journal of Scheduling, 2011, 14, 221-223.	1.9	10
139	On the complexity of the independent set problem in triangle graphs. Discrete Mathematics, 2011, 311, 1670-1680.	0.7	10
140	Exact and heuristic approaches to solve the Internet shopping optimization problem with delivery costs. International Journal of Applied Mathematics and Computer Science, 2016, 26, 391-406.	1.5	10
141	Simultaneous detection of mutations and copy number variation of NPM1 in the acute myeloid leukemia using multiplex ligation-dependent probe amplification. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2016, 786, 14-26.	1.0	10
142	Sequential and parallel algorithms for DNA sequencing. Bioinformatics, 1997, 13, 151-158.	4.1	9
143	Scheduling multiprocessor tasks on two parallel processors. RAIRO - Operations Research, 2002, 36, 37-51.	1.8	9
144	New insights into the human body iron metabolism analyzed by a Petri net based approach. BioSystems, 2009, 96, 104-113.	2.0	9

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145	Towards Prediction of HCV Therapy Efficiency. Computational and Mathematical Methods in Medicine, 2010, 11, 185-199.	1.3	9
146	Simulating the origins of life: The dual role of RNA replicases as an obstacle to evolution. PLoS ONE, 2017, 12, e0180827.	2.5	9
147	Mirror scheduling problems with early work and late work criteria. Journal of Scheduling, 2021, 24, 483-487.	1.9	9
148	Combinatorial optimization in DNA mapping â€" a computational thread of the Simplified Partial Digest Problem. RAIRO - Operations Research, 2005, 39, 227-241.	1.8	9
149	Algorithms for minimizing maximum lateness with unit length tasks and resource constraints. Discrete Applied Mathematics, 1993, 42, 123-138.	0.9	8
150	Multiprocessor task scheduling with resource requirements. Real-Time Systems, 1994, 6, 37-53.	1.3	8
151	Predicting secondary structures of proteins. IEEE Engineering in Medicine and Biology Magazine, 2005, 24, 88-94.	0.8	8
152	An assignment walk through 3D NMR spectrum. , 2009, , .		8
153	RNA Partial Degradation Problem: Motivation, Complexity, Algorithm. Journal of Computational Biology, 2011, 18, 821-834.	1.6	8
154	A Branch and Bound Algorithm for the Job Shop Scheduling Problem. , 1998, , 219-254.		8
155	Translational and structural analysis of the shortest legume ENOD40 gene in Lupinus luteus.. Acta Biochimica Polonica, 2009, 56, .	0.5	8
156	RNAloops: a database of RNA multiloops. Bioinformatics, 2022, 38, 4200-4205.	4.1	8
157	Optimal centralized algorithms for store-and-forward deadlock avoidance. IEEE Transactions on Computers, 1994, 43, 1333-1338.	3.4	7
158	Modeling the process of human body iron homeostasis using a variant of timed Petri nets. Discrete Applied Mathematics, 2009, 157, 2221-2231.	0.9	7
159	A Parallel Branch-and-Bound Approach to the Rectangular Guillotine Strip Cutting Problem. INFORMS Journal on Computing, 2011, 23, 15-25.	1.7	7
160	Poseidon: An information retrieval and extraction system for metagenomic marine science. Ecological Informatics, 2012, 12, 10-15.	5.2	7
161	Optimal pathway reconstruction on 3D NMR maps. Discrete Applied Mathematics, 2015, 182, 134-149.	0.9	7
162	New perspectives in scheduling theory. Journal of Scheduling, 2015, 18, 333-334.	1.9	7

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163	Understanding Life: A Bioinformatics Perspective. European Review, 2017, 25, 231-245.	0.7	7
164	Genome-scale de novo assembly using ALGA. Bioinformatics, 2021, 37, 1644-1651.	4.1	7
165	Scheduling Computer and Manufacturing Processes. Journal of the Operational Research Society, 1997, 48, 659-659.	3.4	6
166	MLP accompanied beam search for the resonance assignment problem. Journal of Heuristics, 2013, 19, 443-464.	1.4	6
167	Recent advances in computational biology, bioinformatics, medicine, and healthcare by modern OR. Central European Journal of Operations Research, 2014, 22, 427-430.	1.8	6
168	Building the library of RNA 3D nucleotide conformations using the clustering approach. International Journal of Applied Mathematics and Computer Science, 2015, 25, 689-700.	1.5	6
169	Prebiotic Soup Components Trapped in Montmorillonite Nanoclay Form New Molecules: Car-Parrinello Ab Initio Simulations. Life, 2019, 9, 46.	2.4	6
170	Clarification of lower bounds of two-machine flow-shop scheduling to minimize total late work. Engineering Optimization, 2019, 51, 1279-1280.	2.6	6
171	Learning vector quantization as an interpretable classifier for the detection of SARS-CoV-2 types based on their RNA sequences. Neural Computing and Applications, 2022, 34, 67-78.	5.6	6
172	Two-machine flow shop scheduling with a common due date to maximize total early work. European Journal of Operational Research, 2022, 300, 504-511.	5.7	6
173	G-DNA â€“ a highly efficient multi-GPU/MPI tool for aligning nucleotide reads. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2013, 61, 989-992.	0.8	6
174	Virxicon: a lexicon of viral sequences. Bioinformatics, 2021, 36, 5507-5513.	4.1	6
175	Human fertility protein PUMILIO2 interacts in vitro with testis mRNA encoding Cdc42 effector 3 (CEP3). Reproductive Biology, 2006, 6, 103-13.	1.9	6
176	A note on the complexity of scheduling coupled tasks on a single processor. Journal of the Brazilian Computer Society, 2001, 7, 23-26.	1.3	5
177	Linear and quadratic algorithms for scheduling chains and opposite chains. European Journal of Operational Research, 2002, 137, 248-264.	5.7	5
178	Reduced-by-matching Graphs: Toward Simplifying Hamiltonian Circuit Problem. Fundamenta Informaticae, 2012, 118, 225-244.	0.4	5
179	G-PAS 2.0 â€“ an improved version of protein alignment tool with an efficient backtracking routine on multiple GPUs. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2012, 60, 491-494.	0.8	5
180	Complexity Issues in Computational Biology. Fundamenta Informaticae, 2012, 118, 385-401.	0.4	5

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181	Detecting life signatures with RNA sequence similarity measures. Journal of Theoretical Biology, 2019, 463, 110-120.	1.7	5
182	Management of Resources in Parallel Systems. , 2000, , 263-341.		5
183	Algorithms solving the Internet shopping optimization problem with price discounts. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2016, 64, 505-516.	0.8	5
184	Some remarks on evaluating the quality of the multiple sequence alignment based on the BAliBASE benchmark. International Journal of Applied Mathematics and Computer Science, 2009, 19, 675-678.	1.5	5
185	Dna Sequence Assembly Involving an Acyclic Graph Model. Foundations of Computing and Decision Sciences, 2013, 38, 25-34.	1.2	5
186	Time-Stamp Approach to Prevention of Different Deadlock Types in Store-and-Forward Networks. IEEE Transactions on Communications, 1987, 35, 564-566.	7.8	4
187	Optimization aspects of deadlock prevention in packet-switching networks. European Journal of Operational Research, 1992, 57, 1-12.	5.7	4
188	Some preemptive open shop scheduling problems with a renewable or a nonrenewable resource. Discrete Applied Mathematics, 1993, 43, 103-104.	0.9	4
189	Evolutionary approach to NOE paths assignment in RNA structure elucidation. , 0, , .		4
190	Metaheuristics for Late Work Minimization in Two-Machine Flow Shop with Common Due Date. Lecture Notes in Computer Science, 2005, , 222-234.	1.3	4
191	A polynomial time equivalence between DNA sequencing and the exact perfect matching problem. Discrete Optimization, 2007, 4, 154-162.	0.9	4
192	The simplified partial digest problem: Approximation and a graph-theoretic model. European Journal of Operational Research, 2011, 208, 142-152.	5.7	4
193	GeVaDSs â€“ decision support system for novel Genetic Vaccine development process. BMC Bioinformatics, 2012, 13, 91.	2.6	4
194	G-MAPSEQ â€“ a new method for mapping reads to a reference genome. Foundations of Computing and Decision Sciences, 2016, 41, 123-142.	1.2	4
195	Structural alignment of protein descriptors â€“ a combinatorial model. BMC Bioinformatics, 2016, 17, 383.	2.6	4
196	Scheduling under Resource Constraints. , 2019, , 475-525.		4
197	DNA Sequencing, Eulerian Graphs, and the Exact Perfect Matching Problem. Lecture Notes in Computer Science, 2002, , 13-24.	1.3	4
198	Computational prediction of nonenzymatic RNA degradation patterns. Acta Biochimica Polonica, 2017, 63, 745-751.	0.5	4

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199	Dynamic storage allocation with limited compaction - complexity and some practical implications. Discrete Applied Mathematics, 1985, 10, 241-253.	0.9	3
200	An integrated system for scheduling machines and vehicles in an FMS. , 0, , .		3
201	Scheduling production tasks in a two-stage FMS. International Journal of Production Research, 2002, 40, 4341-4352.	7.5	3
202	Scheduling jobs in open shops with limited machine availability. RAIRO - Operations Research, 2002, 36, 149-156.	1.8	3
203	Multistage isothermic sequencing by hybridization. Computational Biology and Chemistry, 2005, 29, 69-77.	2.3	3
204	GRASShopPERâ€"An algorithm for de novo assembly based on GPU alignments. PLoS ONE, 2018, 13, e0202355.	2.5	3
205	Tabu Search for Two-Dimensional Irregular Cutting. Operations Research/ Computer Science Interfaces Series, 2002, , 101-128.	0.3	3
206	PREDICTION OF RESIDUE EXPOSURE AND CONTACT NUMBER FOR SIMPLIFIED HP LATTICE MODEL PROTEINS USING LEARNING CLASSIFIER SYSTEMS. , 2006, , .		3
207	Alternative algorithms for identical machines scheduling to maximize total early work with a common due date. Computers and Industrial Engineering, 2022, 171, 108386.	6.3	3
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