

Alexander V Chekanin

List of Publications by Year in descending order

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25
papers

141
citations

1307594

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1474206

9
g-index

25
all docs

25
docs citations

25
times ranked

13
citing authors

#	ARTICLE	IF	CITATIONS
1	An Efficient Model for the Orthogonal Packing Problem. Lecture Notes in Mechanical Engineering, 2015, , 33-38.	0.4	16
2	Development of the Multimethod Genetic Algorithm for the Strip Packing Problem. Applied Mechanics and Materials, 2014, 598, 377-381.	0.2	15
3	Improved Packing Representation Model for the Orthogonal Packing Problem. Applied Mechanics and Materials, 0, 390, 591-595.	0.2	14
4	Efficient algorithms for orthogonal packing problems. Computational Mathematics and Mathematical Physics, 2013, 53, 1457-1465.	0.8	11
5	Design of Library of Metaheuristic Algorithms for Solving the Problems of Discrete Optimization. Lecture Notes in Mechanical Engineering, 2018, , 25-32.	0.4	10
6	Multilevel Linked Data Structure for the Multidimensional Orthogonal Packing Problem. Applied Mechanics and Materials, 0, 598, 387-391.	0.2	8
7	Deleting Objects Algorithm for the Optimization of Orthogonal Packing Problems. Lecture Notes in Mechanical Engineering, 2017, , 27-35.	0.4	8
8	Algorithm for the Placement of Orthogonal Polyhedrons for the Cutting and Packing Problems. Lecture Notes in Mechanical Engineering, 2020, , 41-48.	0.4	8
9	Improved Data Structure for the Orthogonal Packing Problem. Advanced Materials Research, 2014, 945-949, 3143-3146.	0.3	7
10	Effective Data Structure for the Multidimensional Orthogonal Bin Packing Problems. Advanced Materials Research, 2014, 962-965, 2868-2871.	0.3	7
11	Development of Algorithms for the Correct Visualization of Two-Dimensional and Three-Dimensional Orthogonal Polyhedrons. Lecture Notes in Electrical Engineering, 2020, , 891-900.	0.4	7
12	New Effective Data Structure for Multidimensional Optimization Orthogonal Packing Problems. Lecture Notes in Mechanical Engineering, 2016, , 87-92.	0.4	7
13	Packing Compaction Algorithm for Problems of Resource Placement Optimization. Lecture Notes in Mechanical Engineering, 2019, , 1-9.	0.4	4
14	Solving the Problem of Decomposition of an Orthogonal Polyhedron of Arbitrary Dimension. Lecture Notes in Mechanical Engineering, 2021, , 52-59.	0.4	4
15	Development of algorithms for the formation and placement of N-dimensional orthogonal polyhedrons into containers of complex geometric shape. International Journal of Advanced Manufacturing Technology, 2021, 117, 2467-2479.	3.0	3
16	Development of Optimization Software to Solve Practical Packing and Cutting Problems. , 0, , .		3
17	Solving the Problem of Dense Packing of Objects of Complex Geometry. Lecture Notes in Mechanical Engineering, 2022, , 108-116.	0.4	3
18	Algorithms for Working with Orthogonal Polyhedrons in Solving Cutting and Packing Problems. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	Exact Solutions of the Vibration Problem of Beam Structures. Applied Mechanics and Materials, 0, 390, 242-245.	0.2	1
20	Object-Oriented Class Library for Resource Allocation Problems. Applied Mechanics and Materials, 0, 799-800, 1149-1153.	0.2	1
21	Application of Algorithms for Placement of Orthogonal Polyhedrons for Solving the Problems of Packing Objects of Complex Geometric Shape. EPJ Web of Conferences, 2021, 248, 02001.	0.3	1
22	Automation of Strength Calculations for Beam Structures. Advanced Materials Research, 0, 953-954, 1653-1656.	0.3	0
23	Compaction algorithm for orthogonal packing problems. IOP Conference Series: Materials Science and Engineering, 2017, 248, 012024.	0.6	0
24	MODEL OF POTENTIAL CONTAINERS FOR CREATION OF ORTHOGONAL PACKAGES. Vestnik Komp'uternykh I Informatsionnykh Tekhnologii, 2015, , 22-27.	0.1	0
25	Methods of forming orthogonal polyhedra for cutting and packing objects of complex geometry. PrikladnaË Informatika, 2022, 17, 84-96.	0.5	0