

# Alexander V Pankratov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3812406/publications.pdf>

Version: 2024-02-01

20  
papers

235  
citations

1040056

9  
h-index

996975

15  
g-index

20  
all docs

20  
docs citations

20  
times ranked

99  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cutting and packing problems for irregular objects with continuous rotations: mathematical modelling and non-linear optimization. Journal of the Operational Research Society, 2016, 67, 786-800.	3.4	41
2	Optimized Object Packings Using Quasi-Phi-Functions. Springer Optimization and Its Applications, 2015, , 265-293.	0.9	35
3	Optimized Filling of a Given Cuboid with Spherical Powders for Additive Manufacturing. Journal of the Operations Research Society of China, 2021, 9, 853-868.	1.4	27
4	Sparsest balanced packing of irregular 3D objects in a cylindrical container. European Journal of Operational Research, 2021, 291, 84-100.	5.7	20
5	Sparsest packing of two-dimensional objects. International Journal of Production Research, 2021, 59, 3900-3915.	7.5	18
6	Cutting Irregular Objects from the Rectangular Metal Sheet. Advances in Intelligent Systems and Computing, 2020, , 150-157.	0.6	16
7	Balance Layout Problems: Mathematical Modeling and Nonlinear Optimization. Springer Optimization and Its Applications, 2016, , 369-400.	0.9	16
8	Packing Oblique 3D Objects. Mathematics, 2020, 8, 1130.	2.2	12
9	An Optimized Covering Spheroids by Spheres. Applied Sciences (Switzerland), 2020, 10, 1846.	2.5	10
10	Amplification of Heat Transfer by Shock Waves for Thermal Energy Method. Lecture Notes in Networks and Systems, 2021, , 577-587.	0.7	8
11	Decomposition Algorithm for Irregular Placement Problems. Advances in Intelligent Systems and Computing, 2020, , 214-221.	0.6	8
12	Circular Layout in Thermal Deburring. Advances in Intelligent Systems and Computing, 2021, , 111-120.	0.6	8
13	Balance Layout Problem with the Optimized Distances Between Objects. EAI/Springer Innovations in Communication and Computing, 2020, , 85-93.	1.1	6
14	Sparse layout of irregular 3D clusters. Journal of the Operational Research Society, 2023, 74, 351-361.	3.4	5
15	Construction of optimal wire sensor network for the area of complex shape. Eastern-European Journal of Enterprise Technologies, 2016, 6, 45-53.	0.5	2
16	Modeling Nanocomposites with Ellipsoidal and Conical Inclusions by Optimized Packing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 201-210.	0.3	1
17	Convex Polygonal Hull for a Pair of Irregular Objects. Cybernetics and Computer Technologies, 2021, , 13-24.	0.1	1
18	Building a model and an algorithm for modeling the movement of people carrying goods when they are evacuated from premises. Eastern-European Journal of Enterprise Technologies, 2021, 3, 43-50.	0.5	1

