Lev A Kazakovtsev

List of Publications by Year
in descending order

60 papers	**161** citations	1477746 **6** h-index	1473754 **9** g-index
60 all docs	**60** docs citations	**60** times ranked	**52** citing authors

#	Article	IF	Citations
1	The Automatic Design of Multimode Resonator Topology with Evolutionary Algorithms. Sensors, 2022, 22, 1961.	2.1	1
2	Formation of Fuzzy Patterns in Logical Analysis of Data Using a Multi-Criteria Genetic Algorithm. Symmetry, 2022, 14, 600.	1.1	5
3	Clustering Algorithm with a Greedy Agglomerative Heuristic and Special Distance Measures. Algorithms, 2022, 15, 191.	1.2	0
4	Method for Calculating the Air Pollution Emission Quotas. Communications in Computer and Information Science, 2021, , 342-357.	0.4	0
5	Self-adjusting Genetic Algorithm with Greedy Agglomerative Crossover for Continuous p-Median Problems. Communications in Computer and Information Science, 2021, , 184-200.	0.4	0
6	Optimization of filtration process management in hydrometallurgy. IOP Conference Series: Materials Science and Engineering, 2021, 1047, 012042.	0.3	0
7	Comparative study of local search in SWAP and agglomerative neighbourhoods for the continuous p-median problem. IOP Conference Series: Materials Science and Engineering, 2021, 1047, 012079.	0.3	1
8	Self-Configuring (1 + 1)-Evolutionary Algorithm for the Continuous p-Median Problem with Agglomerative Mutation. Algorithms, 2021, 14, 130.	1.2	3
9	Machine Learning Algorithms of Relaxation Subgradient Method with Space Extension. Lecture Notes in Computer Science, 2021, , 477-492.	1.0	1
10	Electroencephalogram analysis methods in the automated diagnostics problems. AIP Conference Proceedings, 2021, , .	0.3	0
11	Application of the K-Standards Algorithm for the Clustering Problem of Production Batches of Semiconductor Devices. , 2021, , .		1
12	Massive-Parallel Algorithms for Identifying the Production Batches of Semiconductor Devices. , 2021, , .		0
13	Search Algorithms with Randomized Variable Neighborhoods for Solving Series of Clustering Problems. , 2020, , .		0
14	Ensembles of criteria for determining the number of homogeneous groups in a combined batch of industrial production. IOP Conference Series: Materials Science and Engineering, 2020, 862, 042017.	0.3	4
15	Self-Adjusting Variable Neighborhood Search Algorithm for Near-Optimal k-Means Clustering. Computation, 2020, 8, 90.	1.0	5
16	Regularization Methods for Neural Network Models and Logistic Regression Models in the Problem of Classifying Industrial Products into Homogeneous Batches. , 2020, , .		0
17	Detection of homogeneous production batches of semiconductor devices by greedy heuristic clustering algorithms with special distance metrics. IOP Conference Series: Materials Science and Engineering, 2020, 734, 012104.	0.3	1
18	K-Means Genetic Algorithms with Greedy Genetic Operators. Mathematical Problems in Engineering, 2020, 2020, 1-16.	0.6	6

#	ARTICLE	IF	CITATIONS
19	Algorithm for assortment planning based on the method of changing probabilities. Journal of Physics: Conference Series, 2020, 1679, 032079.	0.3	0
20	Sequential agglomerative procedure for sorting a production batch of electronic radio devices into homogeneous groups. IOP Conference Series: Materials Science and Engineering, 2020, 734, 012013.	0.3	1
21	Efficiency of distance measures in the automatic grouping of electronic radio devices by k-means algorithm. IOP Conference Series: Materials Science and Engineering, 2020, 734, 012136.	0.3	0
22	Genetic Algorithms with the Crossover-Like Mutation Operator for the k-Means Problem. Communications in Computer and Information Science, 2020, , 350-362.	0.4	3
23	Application of Algorithms with Variable Greedy Heuristics for k-Medoids Problems. Informatica (Slovenia), 2020, 44, .	0.6	8
24	Automatic Classification Models and Algorithms Based on the Minimum Sum-of-Squared Errors Model. Industrial Engineering and Management Systems, 2020, 19, 901-907.	0.3	0
25	On the Optimization Models for Automatic Grouping of Industrial Products by Homogeneous Production Batches. Communications in Computer and Information Science, 2020, , 421-436.	0.4	2
26	Scheme of optimal ensembles of clustering algorithms with a combined use of the Greedy Heuristics Method and a matched binary partitioning matrix. IOP Conference Series: Earth and Environmental Science, 2019, 315, 032031.	0.2	1
27	Improved classification EM algorithm for the problem of separating semiconductor device production batches. IOP Conference Series: Materials Science and Engineering, 2019, 537, 052032.	0.3	1
28	Optimal location and grouping of forces against spontaneous dynamic processes with Pseudo-Boolean optimization algorithms. IOP Conference Series: Materials Science and Engineering, 2019, 537, 062038.	0.3	0
29	Parallel implementation of the greedy heuristic clustering algorithms. IOP Conference Series: Materials Science and Engineering, 2019, 537, 022052.	0.3	3
30	Estimation of the impact of semiconductor device parameters on the accuracy of separating a mixed production batch. IOP Conference Series: Materials Science and Engineering, 2019, 537, 032088.	0.3	1
31	A modified particle swarm optimization algorithm for location problem. IOP Conference Series: Materials Science and Engineering, 2019, 537, 042060.	0.3	0
32	Control system for thiosulfate leaching of intermediate industrial products in metallurgy. IOP Conference Series: Materials Science and Engineering, 2019, 537, 032055.	0.3	0
33	Recursive clustering algorithm based on silhouette criterion maximization for sorting semiconductor devices by homogeneous batches. IOP Conference Series: Materials Science and Engineering, 2019, 537, 022035.	0.3	6
34	New method of training two-layer sigmoid neural networks using regularization. IOP Conference Series: Materials Science and Engineering, 2019, 537, 042055.	0.3	3
35	New Methods of Training Two-Layer Sigmoidal Neural Networks with Regularization. , 2019, , .		1
36	Formalization of dynamic scheduling for an educational center. Journal of Physics: Conference Series, 2019, 1353, 012120.	0.3	0

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37	An approach to the development of clustering algorithms with a combined use of the Variable Neighborhood Search and Greedy Heuristic Method. Journal of Physics: Conference Series, 2019, 1399, 033049.	0.3	2
38	Algorithms for Reduction of Input Space Dimensionality in Regression-Based Classification Models. , 2019, , .		1
39	Algorithms with greedy heuristic procedures for mixture probability distribution separation. Yugoslav Journal of Operations Research, 2019, 29, 51-67.	0.5	11
40	Identification of the Optimal Set of Informative Features for the Problem of Separating of Mixed Production Batch of Semiconductor Devices for the Space Industry. Communications in Computer and Information Science, 2019, , 408-421.	0.4	1
41	Variable neighborhood search algorithm for k-means clustering. IOP Conference Series: Materials Science and Engineering, 2018, 450, 022035.	0.3	4
42	Non-smooth regularization in radial artificial neural networks. IOP Conference Series: Materials Science and Engineering, 2018, 450, 042010.	0.3	3
43	Increase in Accuracy of the Solution of the Problem of Identification of Production Batches of Semiconductor Devices. , 2018, , .		9
44	A BRANCH-AND-BOUND ALGORITHM FOR A PSEUDO-BOOLEAN OPTIMIZATION PROBLEM WITH BLACK-BOX FUNCTIONS. Facta Universitatis Series Mathematics and Informatics, 2018, 33, 337.	0.1	2
45	Application of Heuristic and Metaheuristic Algorithms in Solving Constrained Weber Problem with Feasible Region Bounded by Arcs. Mathematical Problems in Engineering, 2017, 2017, 1-13.	0.6	20
46	Improved model for detection of homogeneous production batches of electronic components. IOP Conference Series: Materials Science and Engineering, 2017, 255, 012004.	0.3	9
47	Greedy heuristic algorithm for solving series of eee components classification problems*. IOP Conference Series: Materials Science and Engineering, 2016, 122, 012011.	0.3	7
48	Fuzzy clustering of EEE components for space industry. IOP Conference Series: Materials Science and Engineering, 2016, 155, 012026.	0.3	6
49	Deterministic algorithm with agglomerative heuristic for location problems. IOP Conference Series: Materials Science and Engineering, 2015, 94, 012016.	0.3	1
50	Fast deterministic algorithm for EEE components classification. IOP Conference Series: Materials Science and Engineering, 2015, 94, 012015.	0.3	3
51	ALGORITHM FOR WEBER PROBLEM WITH A METRIC BASED ON THE INITIAL FARE. Journal of Applied Mathematics & Informatics, 2015, 33, 157-172.	0.1	3
52	Algorithms for Location Problems Based on Angular Distances. Advances in Operations Research, 2014, 2014, 1-12.	0.2	4
53	Fast genetic algorithm with greedy heuristic for p-median and k-means problems. , 2014, , .		4
54	Genetic algorithm with greedy heuristic for capacity planning. , 2014, , .		2

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55	An Approach to the Multi-facility Weber Problem with Special Metrics. , 2013, , .		0
56	Random constrained pseudo-Boolean optimization algorithm for multiprocessor systems and clusters. , 2012, , .		0
57	Algorithm for Approximate Solution of the Generalized Weber Problem with an Arbitrary Metric. , 2012, , .		4
58	Random Search Algorithm for the Generalized Weber Problem. Journal of Software Engineering and Applications, 2012, 05, 59-65.	0.8	0
59	COMPARATIVE STUDY OF MUTATION OPERATORS IN THE GENETIC ALGORITHMS FOR THE K-MEANS PROBLEM. Facta Universitatis Series Mathematics and Informatics, 0, , 1091.	0.1	0
60	VNS-BASED ALGORITHMS FOR THE CENTROID-BASED CLUSTERING PROBLEM. Facta Universitatis Series Mathematics and Informatics, 0, , 957.	0.1	7