

Vladimir E Misilov

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

88
citations

1684188
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1474206
9
g-index

25
all docs

25
docs citations

25
times ranked

24
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Software Defect Prediction Using Deep Learning. Mathematics, 2021, 9, 1180.	2.2	33
2	Parallel Direct and Iterative Methods for Solving the Time-Fractional Diffusion Equation on Multicore Processors. Mathematics, 2022, 10, 323.	2.2	10
3	An Efficient Numerical Technique for Solving the Inverse Gravity Problem of Finding a Lateral Density. Applied Mathematics and Information Sciences, 2016, 10, 1681-1688.	0.5	7
4	Optimized Algorithms for Solving Structural Inverse Gravimetry and Magnetometry Problems on GPUs. Communications in Computer and Information Science, 2017, , 144-155.	0.5	6
5	A fast parallel gradient algorithm for solving structural inverse gravity problem. AIP Conference Proceedings, 2015, , .	0.4	5
6	Regularized gradient algorithms for solving the nonlinear gravimetry problem for the multilayered medium. Mathematical Methods in the Applied Sciences, 2022, 45, 8760-8768.	2.3	5
7	On finding a density in a curvilinear layer by biconjugate gradient type methods. AIP Conference Proceedings, 2017, , .	0.4	4
8	Optimization of gradient algorithm for solving the nonlinear inverse potential problem. Journal of Computational Methods in Sciences and Engineering, 2019, 19, 417-424.	0.2	3
9	Analytical Modeling of Matrix-Vector Multiplication on Multicore Processors: Solving Inverse Gravimetry Problem. , 2019, , .		3
10	Memory efficient algorithm for solving the inverse gravimetry problem of finding several boundary surfaces in multilayered medium. AIP Conference Proceedings, 2019, , .	0.4	2
11	Cost-efficient numerical algorithm for solving the linear inverse problem of finding a variable magnetization. Mathematical Methods in the Applied Sciences, 2020, 43, 7647-7656.	2.3	2
12	Parallel algorithm for solving the problems of heat and mass transfer in the open geothermal system. AIP Conference Proceedings, 2020, , .	0.4	2
13	PyTraceBugs: A Large Python Code Dataset for Supervised Machine Learning in Software Defect Prediction. , 2021, , .		2
14	On solving the inverse structural magnetic problem for large grids on GPUs. AIP Conference Proceedings, 2017, , .	0.4	1
15	Algorithm for solving the linear inverse problem of finding magnetization in a rectangular parallelepiped. AIP Conference Proceedings, 2019, , .	0.4	1
16	Application of High Performance Computations for Modeling Thermal Fields Near the Wellheads. Communications in Computer and Information Science, 2020, , 266-278.	0.5	1
17	Numerical simulation of temperature fields in an open geothermal system on multicore processors. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2022, 8, .	2.9	1
18	An efficient algorithm for solving the gravity problem of finding a density in a horizontal layer. AIP Conference Proceedings, 2016, , .	0.4	0

#	ARTICLE	IF	CITATIONS
19	Modified Componentwise Gradient Method for Solving Structural Magnetic Inverse Problem. Communications in Computer and Information Science, 2018, , 162-173.	0.5	0
20	Stable regularized algorithms for solving the inverse gravimetry problem in the case of multilayered medium. AIP Conference Proceedings, 2020, , .	0.4	0
21	Efficient numerical algorithm for solving the gravimetry problem of finding a lateral density in a layer: Parallel implementation. Mathematical Methods in the Applied Sciences, 2020, 43, 7774-7787.	2.3	0
22	Simulation of Heat and Mass Transfer in Open Geothermal Systems: A Parallel Implementation. Communications in Computer and Information Science, 2021, , 243-254.	0.5	0
23	Using Multicore and Graphics Processors to Solve The Structural Inverse Gravimetry Problem in a Two-Layer Medium by Means of α -Processes. Communications in Computer and Information Science, 2019, , 285-296.	0.5	0
24	Supercomputer technologies for long-term modeling of permafrost changes. , 2019, , .		0