

Vladimir E Misilov

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

88
citations

1684188

5
h-index

1474206

9
g-index

25
all docs

25
docs citations

25
times ranked

24
citing authors

#	ARTICLE	IF	CITATIONS
1	Regularized gradient algorithms for solving the nonlinear gravimetry problem for the multilayered medium. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 8760-8768.	2.3	5
2	Parallel Direct and Iterative Methods for Solving the Time-Fractional Diffusion Equation on Multicore Processors. <i>Mathematics</i> , 2022, 10, 323.	2.2	10
3	Numerical simulation of temperature fields in an open geothermal system on multicore processors. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2022, 8, .	2.9	1
4	Simulation of Heat and Mass Transfer in Open Geothermal Systems: A Parallel Implementation. <i>Communications in Computer and Information Science</i> , 2021, , 243-254.	0.5	0
5	A Survey on Software Defect Prediction Using Deep Learning. <i>Mathematics</i> , 2021, 9, 1180.	2.2	33
6	PyTraceBugs: A Large Python Code Dataset for Supervised Machine Learning in Software Defect Prediction. , 2021, , .		2
7	Cost-efficient numerical algorithm for solving the linear inverse problem of finding a variable magnetization. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 7647-7656.	2.3	2
8	Parallel algorithm for solving the problems of heat and mass transfer in the open geothermal system. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
9	Stable regularized algorithms for solving the inverse gravimetry problem in the case of multilayered medium. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
10	Efficient numerical algorithm for solving the gravimetry problem of finding a lateral density in a layer: Parallel implementation. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 7774-7787.	2.3	0
11	Application of High Performance Computations for Modeling Thermal Fields Near the Wellheads. <i>Communications in Computer and Information Science</i> , 2020, , 266-278.	0.5	1
12	Algorithm for solving the linear inverse problem of finding magnetization in a rectangular parallelepiped. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
13	Optimization of gradient algorithm for solving the nonlinear inverse potential problem. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2019, 19, 417-424.	0.2	3
14	Analytical Modeling of Matrix-Vector Multiplication on Multicore Processors: Solving Inverse Gravimetry Problem. , 2019, , .		3
15	Memory efficient algorithm for solving the inverse gravimetry problem of finding several boundary surfaces in multilayered medium. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
16	Using Multicore and Graphics Processors to Solve The Structural Inverse Gravimetry Problem in a Two-Layer Medium by Means of α -Processes. <i>Communications in Computer and Information Science</i> , 2019, , 285-296.	0.5	0
17	Supercomputer technologies for long-term modeling of permafrost changes. , 2019, , .		0
18	Modified Componentwise Gradient Method for Solving Structural Magnetic Inverse Problem. <i>Communications in Computer and Information Science</i> , 2018, , 162-173.	0.5	0

#	ARTICLE	IF	CITATIONS
19	On finding a density in a curvilinear layer by biconjugate gradient type methods. AIP Conference Proceedings, 2017, , .	0.4	4
20	On solving the inverse structural magnetic problem for large grids on GPUs. AIP Conference Proceedings, 2017, , .	0.4	1
21	Optimized Algorithms for Solving Structural Inverse Gravimetry and Magnetometry Problems on GPUs. Communications in Computer and Information Science, 2017, , 144-155.	0.5	6
22	An efficient algorithm for solving the gravity problem of finding a density in a horizontal layer. AIP Conference Proceedings, 2016, , .	0.4	0
23	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
24	A fast parallel gradient algorithm for solving structural inverse gravity problem. AIP Conference Proceedings, 2015, , .	0.4	5