Vasily Golubev

List of Publications by Year
in descending order

42 papers	388 citations	759233 12 h-index	888059 17 g-index
44 all docs	44 docs citations	44 times ranked	86 citing authors

#	Article	IF	Citations
1	Numerical simulation of seismic activity by the grid-characteristic method. Computational Mathematics and Mathematical Physics, 2013, 53, 1523-1533.	0.8	31
2	Compact grid-characteristic schemes of higher orders of accuracy for a 3D linear transport equation. Mathematical Models and Computer Simulations, 2016, 8, 577-584.	0.5	25
3	Monitoring the state of the moving train by use of high performance systems and modern computation methods. Mathematical Models and Computer Simulations, 2015, 7, 51-61.	0.5	21
4	Numerical computation of wave propagation in fractured media by applying the grid-characteristic method on hexahedral meshes. Computational Mathematics and Mathematical Physics, 2015, 55, 509-518.	0.8	19
5	PS-InSAR Monitoring of Landslide Activity in the Black Sea Coast of the Caucasus. Procedia Technology, 2014, 16, 404-413.	1.1	16
6	Numerical simulation of destruction processes by the grid-characteristic method. Procedia Computer Science, 2018, 126, 1281-1288.	2.0	16
7	Investigation of Seismic Stability of High-Rising Buildings Using Grid-Characteristic Method. Procedia Computer Science, 2019, 154, 305-310.	2.0	16
8	On the Estimation of Seismic Resistance of Modern Composite Oil Pipeline Elements. Doklady Mathematics, 2018, 97, 184-187.	0.6	15
9	Determining effects of impact loading on residual strength of fiber-metal laminates with grid-characteristic numerical method. Chinese Journal of Aeronautics, 2021, 34, 1-12.	5.3	15
10	Compact Grid-Characteristic Scheme for the Acoustic System with the Piece-Wise Constant Coefficients. International Journal of Applied Mechanics, 2022, 14, .	2.2	14
11	Explanation the difference in destructed areas simulated using various failure criteria by the wave dynamics analysis. Procedia Computer Science, 2018, 126, 1091-1099.	2.0	13
12	Influence of natural disasters on ground facilities. Mathematical Models and Computer Simulations, 2012, 4, 129-134.	0.5	12
13	Simulation of Seismic Wave Propagation in a Multicomponent Oil Deposit Model. International Journal of Applied Mechanics, 2020, 12, 2050084.	2.2	11
14	Simulation of seismic processes inside the planet using the hybrid grid-characteristic method. Mathematical Models and Computer Simulations, 2015, 7, 439-445.	0.5	10
15	Taking into Account Fluid Saturation of Bottom Sediments in Marine Seismic Survey. Doklady Mathematics, 2019, 100, 488-490.	0.6	10
16	Simulation of Seismic Waves in Anisotropic Media. Doklady Mathematics, 2021, 103, 146-150.	0.6	10
17	Some problems of landslide monitoring using satellite radar imagery with different wavelengths: Case study of two landslides in the region of Greater Sochi. Izvestiya, Physics of the Solid Earth, 2014, 50, 576-587.	0.9	9
18	Simulation of dynamic processes in three-dimensional layered fractured media with the use of the grid-characteristic numerical method. Journal of Applied Mechanics and Technical Physics, 2017, 58, 539-545.	0.5	9

#	Article	IF	Citations
19	Numerical investigation of compact grid-characteristic schemes for acoustic problems. Journal of Physics: Conference Series, 2021, 1902, 012110.	0.4	9
20	Application of the Dorovsky model for taking into account the fluid saturation of geological media. Journal of Physics: Conference Series, 2021, 1715, 012056.	0.4	9
21	On seismic imaging of fractured geological media. Doklady Mathematics, 2017, 96, 514-516.	0.6	8
22	Application of compact grid-characteristic schemes for acoustic problems. Journal of Physics: Conference Series, 2020, 1479, 012058.	0.4	8
23	Mathematical modeling of the dynamics of layered and block media with nonlinear contact conditions on supercomputers. Journal of Physics: Conference Series, 2019, 1392, 012057.	0.4	8
24	Two approaches to the calculation of air subdomains: theoretical estimation and practical results. Procedia Computer Science, 2018, 126, 1082-1090.	2.0	7
25	Study the Elastic Waves Propagation in Multistory Buildings, Taking into Account Dynamic Destruction. Smart Innovation, Systems and Technologies, 2020, , 189-199.	0.6	7
26	Simulation of seismic responses from fractured MARMOUSI2 model. AIP Conference Proceedings, 2020, , .	0.4	6
27	Seismic Imaging of Fractured Elastic Media on the Basis of the Grid-Characteristic Method. Computational Mathematics and Mathematical Physics, 2018, 58, 1309-1315.	0.8	5
28	Problem of Acoustic Diagnostics of a Damaged Zone. Doklady Mathematics, 2020, 101, 250-253.	0.6	5
29	Different Approaches for Solving Inverse Seismic Problems in Fractured Media. Smart Innovation, Systems and Technologies, 2020, , 199-212.	0.6	5
30	Higher Order Schemes for Problems of Dynamics of Layered Media with Nonlinear Contact Conditions. Smart Innovation, Systems and Technologies, 2022, , 273-287.	0.6	5
31	Numerical Modeling of the Seismic Influence on an Underwater Composite Oil Pipeline. Mathematical Models and Computer Simulations, 2019, 11, 715-721.	0.5	4
32	Application of Quasi-monotonic Schemes in Seismic Arctic Problems. Smart Innovation, Systems and Technologies, 2022, , 289-307.	0.6	4
33	Modeling Wave Responses from Thawed Permafrost Zones. Smart Innovation, Systems and Technologies, 2021, , 137-148.	0.6	3
34	Numerical Comparison of Different Approaches for the Fractured Medium Simulation. Smart Innovation, Systems and Technologies, 2021, , 87-99.	0.6	3
35	Satellite Radar Interferometry: New Technologies for Satellite Monitoring of Mining Areas and Displacements of Natural and Man-Made Objects. Seismic Instruments, 2018, 54, 515-520.	0.3	2
36	Seismic Evaluation of Two-Storied Unreinforced Masonry Building with Rigid Diaphragm Using Nonlinear Static Analysis. Smart Innovation, Systems and Technologies, 2021, , 175-187.	0.6	2

#	Article	IF	Citations
37	Higher-Order Grid-Characteristic Schemes for the Acoustic System. , 2021, , .		2
38	Simulation of seismic responses from the 3D non-linear model of the Bazhenov formation. IOP Conference Series: Materials Science and Engineering, 2020, 927, 012020.	0.6	1
39	Hybrid Grid-Characteristic Schemes for Arctic Seismic Problems. Doklady Mathematics, 2021, 104, 374-379.	0.6	1
40	Software Development to Assess Seismic Resistance of Oil and Gas Complex Ground Facilities. , 2013, , .		0
41	Precise Modeling of Seismic Responses from Fractured Geological Media. , 2014, , .		0
42	THE GRID-CHARACTERISTIC METHOD FOR APPLIED DYNAMIC PROBLEMS OF FRACTURED AND ANISOTROPIC MEDIA. , 0, , .		0