

# Vasily Golubev

## List of Publications by Year in descending order

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papers

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citations

759233

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44  
docs citations

44  
times ranked

86  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact Grid-Characteristic Scheme for the Acoustic System with the Piece-Wise Constant Coefficients. International Journal of Applied Mechanics, 2022, 14, .	2.2	14
2	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
3	Application of Quasi-monotonic Schemes in Seismic Arctic Problems. Smart Innovation, Systems and Technologies, 2022, , 289-307.	0.6	4
4	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
5	Modeling Wave Responses from Thawed Permafrost Zones. Smart Innovation, Systems and Technologies, 2021, , 137-148.	0.6	3
6	Numerical Comparison of Different Approaches for the Fractured Medium Simulation. Smart Innovation, Systems and Technologies, 2021, , 87-99.	0.6	3
7	Simulation of Seismic Waves in Anisotropic Media. Doklady Mathematics, 2021, 103, 146-150.	0.6	10
8	Numerical investigation of compact grid-characteristic schemes for acoustic problems. Journal of Physics: Conference Series, 2021, 1902, 012110.	0.4	9
9	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
10	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
11	Higher-Order Grid-Characteristic Schemes for the Acoustic System. , 2021, , .		2
12	Hybrid Grid-Characteristic Schemes for Arctic Seismic Problems. Doklady Mathematics, 2021, 104, 374-379.	0.6	1
13	Problem of Acoustic Diagnostics of a Damaged Zone. Doklady Mathematics, 2020, 101, 250-253.	0.6	5
14	Application of compact grid-characteristic schemes for acoustic problems. Journal of Physics: Conference Series, 2020, 1479, 012058.	0.4	8
15	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
16	Simulation of Seismic Wave Propagation in a Multicomponent Oil Deposit Model. International Journal of Applied Mechanics, 2020, 12, 2050084.	2.2	11
17	Different Approaches for Solving Inverse Seismic Problems in Fractured Media. Smart Innovation, Systems and Technologies, 2020, , 199-212.	0.6	5
18	Study the Elastic Waves Propagation in Multistory Buildings, Taking into Account Dynamic Destruction. Smart Innovation, Systems and Technologies, 2020, , 189-199.	0.6	7

#	ARTICLE	IF	CITATIONS
19	Simulation of seismic responses from fractured MARMOUSI2 model. AIP Conference Proceedings, 2020, , ,	0.4	6
20	Numerical Modeling of the Seismic Influence on an Underwater Composite Oil Pipeline. Mathematical Models and Computer Simulations, 2019, 11, 715-721.	0.5	4
21	Investigation of Seismic Stability of High-Rising Buildings Using Grid-Characteristic Method. Procedia Computer Science, 2019, 154, 305-310.	2.0	16
22	Taking into Account Fluid Saturation of Bottom Sediments in Marine Seismic Survey. Doklady Mathematics, 2019, 100, 488-490.	0.6	10
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	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
25	On the Estimation of Seismic Resistance of Modern Composite Oil Pipeline Elements. Doklady Mathematics, 2018, 97, 184-187.	0.6	15
26	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
27	Numerical simulation of destruction processes by the grid-characteristic method. Procedia Computer Science, 2018, 126, 1281-1288.	2.0	16
28	Two approaches to the calculation of air subdomains: theoretical estimation and practical results. Procedia Computer Science, 2018, 126, 1082-1090.	2.0	7
29	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
30	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
31	On seismic imaging of fractured geological media. Doklady Mathematics, 2017, 96, 514-516.	0.6	8
32	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
33	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
34	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
35	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
36	Precise Modeling of Seismic Responses from Fractured Geological Media. , 2014, , ,		0

#	ARTICLE	IF	CITATIONS
37	PS-InSAR Monitoring of Landslide Activity in the Black Sea Coast of the Caucasus. Procedia Technology, 2014, 16, 404-413.	1.1	16
38	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
39	Numerical simulation of seismic activity by the grid-characteristic method. Computational Mathematics and Mathematical Physics, 2013, 53, 1523-1533.	0.8	31
40	Software Development to Assess Seismic Resistance of Oil and Gas Complex Ground Facilities. , 2013, , .		0
41	Influence of natural disasters on ground facilities. Mathematical Models and Computer Simulations, 2012, 4, 129-134.	0.5	12
42	THE GRID-CHARACTERISTIC METHOD FOR APPLIED DYNAMIC PROBLEMS OF FRACTURED AND ANISOTROPIC MEDIA. , 0, , .		0