

Victor Gornov

List of Publications by Year in descending order

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26
papers

95
citations

1684188

5
h-index

1474206

9
g-index

26
all docs

26
docs citations

26
times ranked

65
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling moisture condensation in humid air flow in the course of cooling and heat recovery. Energy and Buildings, 2016, 112, 93-100.	6.7	15
2	Mathematical modeling of heat transfer problems in the permafrost. AIP Conference Proceedings, 2014, , .	0.4	11
3	The effectiveness of low-grade geothermal heat usage under the conditions of the Russian climate. Geothermics, 2016, 62, 93-102.	3.4	9
4	Estimation of the thermal effect of ground moisture condensation on heat transfer outside a geothermal borehole. Energy and Buildings, 2014, 82, 795-798.	6.7	8
5	Simulating the thermal operating conditions in the thermal wells of ground-source heat-pump heat supply systems. Part I: Porous moisture freezing processes in soil. Thermal Engineering (English) Tj ETQq1 1 0.784314 r gBT / @verlock 10	0.9	4
6	Accounting for "Zero Curtain" Effect in GSHP Simulation. Applied Mechanics and Materials, 2014, 664, 243-249.	0.2	5
7	Technical and Economic Aspects of Using Heat Pump Systems for Heating and Cooling of the Moscow Subway's Facilities. Applied Mechanics and Materials, 2014, 664, 254-259.	0.2	4
8	Simulating the thermal operating conditions in the thermal wells of ground-source heat-pump heat supply systems. Part II: Consideration of porous moisture phase transitions in soil. Thermal Engineering (English Translation of Teploenergetika), 2015, 62, 751-756.	0.9	4
9	Technical Solution for Protection of Heat Pump Evaporators Against Freezing the Moisture Condensed. MATEC Web of Conferences, 2016, 40, 05002.	0.2	4
10	Atmospheric Air "the Effective Source of Low-Grade Thermal Energy for Heat Pump Snow Melting Systems under Climatic Conditions of Moscow. MATEC Web of Conferences, 2015, 30, 05001.	0.2	3
11	Splitting Scheme for Poroelasticity and Thermoelasticity Problems. Lecture Notes in Computer Science, 2015, , 241-248.	1.3	3
12	Definition of the Heat Resistance of Three-layer Ferroconcrete Panel. MATEC Web of Conferences, 2016, 40, 05004.	0.2	3
13	Using Tunnel Air Heat in the Heat and Cold Supply Systems of Subway Facilities. Thermal Engineering (English Translation of Teploenergetika), 2019, 66, 812-821.	0.9	3
14	Ground Moisture Condensation around the GSHP Borehole. Applied Mechanics and Materials, 2014, 664, 236-242.	0.2	2
15	The Influence of Subway's Underground Facilities Operation on the Natural Thermal Conditions of Adjacent Soil. Applied Mechanics and Materials, 0, 664, 250-253.	0.2	2
16	Zoning of the Territory of Russia According to the Efficiency of the Use of Low-Grade Ground Heat for Heating. MATEC Web of Conferences, 2015, 30, 05003.	0.2	2
17	The method for Determining the Effectiveness of Low-Grade Geothermal Heat Usage under the Conditions of the Russian Climate. MATEC Web of Conferences, 2015, 30, 05002.	0.2	2
18	Study of Heat Engineering Homogeneity Fragments of Enclosing Structures in the Climatic Chamber. MATEC Web of Conferences, 2016, 40, 05003.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Modelling of Thermal Behavior of Borehole Heat Exchangers of Geothermal Heat Pump Heating Systems. MATEC Web of Conferences, 2016, 77, 06009.	0.2	2
20	Study of the Dependence Effectiveness of Low-potential Heat of the Ground and Atmospheric Air for Heating Buildings from Climatic parameters. MATEC Web of Conferences, 2016, 40, 05006.	0.2	1
21	Assessment of impact of borehole heat exchanger design on heat extraction/rejection efficiency. MATEC Web of Conferences, 2016, 75, 09009.	0.2	1
22	Ground source heat pump systems efficiency in Russia – economical estimations and territory zoning. IOP Conference Series: Earth and Environmental Science, 2019, 249, 012033.	0.3	1
23	Research of the Effectiveness of Using Air and Ground Low-grade Heat for Buildings Heating in Different Regions of Russia. MATEC Web of Conferences, 2016, 77, 06010.	0.2	0
24	Efficiency of Passive Utilization of Ground “Cold” in Adaptive Geothermal Heat Pump Heating and Cooling Systems (AGHCS). MATEC Web of Conferences, 2016, 77, 06008.	0.2	0
25	Zoning of the territory of Russia by the effectiveness of low-potential heat of the ground and atmospheric air for heating buildings. AIP Conference Proceedings, 2016, , .	0.4	0
26	Geothermal heat pump systems in cold regions: efficiency improvement by use of ambient air. IOP Conference Series: Earth and Environmental Science, 2019, 367, 012010.	0.3	0