Alexey Marusin

List of Publications by Year
in descending order

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Version: 2024-02-01

29 papers	1,314 citations	516215 16 h-index	610482 24 g-index
29 all docs	29 docs citations	29 times ranked	95 citing authors

#	Article	IF	Citations
1	Development of a mathematical model of fuel equipment and the rationale for diagnosing diesel engines by moving the injector needle. IOP Conference Series: Earth and Environmental Science, 2020, 422, 012126.	0.2	145
2	A method for assessing the influence of automated traffic enforcement system parameters on traffic safety. Transportation Research Procedia, 2018, 36, 500-506.	0.8	140
3	Evaluation of Functional Efficiency of Automated Traffic Enforcement Systems. Transportation Research Procedia, 2017, 20, 288-294.	0.8	128
4	A model for justification of the number of traffic enforcement facilities in the region. Transportation Research Procedia, 2018, 36, 493-499.	0.8	93
5	Method to evaluate performance of measurement equipment in automated vehicle traffic control systems. Transportation Research Procedia, 2020, 50, 20-27.	0.8	91
6	Areas of focus in ensuring the environmental safety of motor transport. Transportation Research Procedia, 2020, 50, 68-76.	0.8	87
7	Methodological aspects of building mathematical model to evaluate efficiency of automated vehicle traffic control systems. Transportation Research Procedia, 2020, 50, 253-261.	0.8	83
8	Model of multi-level system managing automated traffic enforcement facilities recording traffic violations. Transportation Research Procedia, 2020, 50, 242-252.	0.8	79
9	Diagnosis of the Fuel Equipment of Diesel Engines with Multicylinder High Pressure Fuel Injection Pump for the Movement of the Injector Valve for the Diagnostic Device. , 2018, , .		77
10	CDF simulation-based research of influence of mechanical defects in nozzles on environmental parameters of automotive diesel engines. Transportation Research Procedia, 2020, 50, 182-191.	0.8	74
11	Digital Technologies and Complexes for Provision of Vehicular Traffic Safety. , 0, , .		74
12	ANALYSIS OF STRENGTH CHARACTERISTICS IN RAILROAD DOWELS PRODUCED BY VARIOUS MANUFACTURERS. Architecture and Engineering, 2019, 4, 23-31.	0.1	38
13	Solutions to the main transportation problems in the Arctic zone of the Russian Federation. Transportation Research Procedia, 2021, 57, 154-162.	0.8	24
14	Application of the RFID technology in logistics. Transportation Research Procedia, 2021, 57, 452-462.	0.8	22
15	Forecasting the Passage Time of the Queue of Highly Automated Vehicles Based on Neural Networks in the Services of Cooperative Intelligent Transport Systems. Mathematics, 2022, 10, 282.	1.1	21
16	Formal strategy for solving problems of management and organization of processes in the transport and logistics systems of the Arctic region. Transportation Research Procedia, 2021, 57, 277-284.	0.8	17
17	Impact of vehicular pollution on the Arctic. Transportation Research Procedia, 2021, 57, 479-488.	0.8	16
18	Intelligent system for digital substation control. Transportation Research Procedia, 2021, 57, 385-391.	0.8	16

#	Article	IF	Citations
19	Theoretical principles of redundancy and patterns of transport and technological complexesâ€™ adaptation to the operating conditions. Transportation Research Procedia, 2021, 57, 291-300.	0.8	15
20	Determination of performance criteria for organizing the operation of terminal and warehouse complexes. Transportation Research Procedia, 2021, 57, 122-126.	0.8	15
21	Comparative analysis of the entropic organization of road transport systems in the representative regions of the Arctic zone of Russia. Transportation Research Procedia, 2021, 57, 409-420.	0.8	15
22	Method for the level optimization of vehicle parameters when using fuels of different quality in cold climates. Transportation Research Procedia, 2021, 57, 581-590.	0.8	12
23	Application of digital technologies in railway transport. Transportation Research Procedia, 2021, 57, 463-469.	0.8	11
24	Influence of performance criteria on the selection of electric traction equipment and a temperature control system for a battery-powered vehicle with an electric traction drive. Transportation Research Procedia, 2021, 57, 711-720.	0.8	10
25	A new technology of vehicle partsâ€™ washing at low temperatures. Transportation Research Procedia, 2021, 57, 163-171.	0.8	10
26	COMPRESSIBILITY OF DIESEL FUEL IN HIGH PRESSURE PIPELINES ENGINE OF AUTOMOBILE. Alternative Energy Sources in the Transport-technological Complex Problems and Prospects of Rational Use of, 2015, 2, 116-120.	0.3	1
27	DEVELOPMENT OF MATHEMATICAL MODELS THE INJECTION PUMP ENGINE KAMAZ-740.11.240 TO DESIGN AND CALCULATE OF HYDRAULIC SYSTEMS. V Mire NauÄnyh Otkrytij, 2015, .	0.0	0
28	JUSTIFICATION MATHEMATICAL RELATIONSHIPS FOR THE DESIGN AND CALCULATION OF INDICATORS OF THE FUEL SYSTEM OF DIESEL ENGINES. Alternative Energy Sources in the Transport-technological Complex Problems and Prospects of Rational Use of, 2015, 2, 467-472.	0.3	0
29	Challenging engineering solutions for controlling the traffic flow during transportation. , 2017, 14, 285-290.	0.0	0