

Igor V Gritsuk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/988516/publications.pdf>

Version: 2024-02-01

48
papers

534
citations

1937457

4
h-index

1872570

6
g-index

48
all docs

48
docs citations

48
times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	APPLICATION OF COMBINED TECHNOLOGY FOR RENOVATION AND INCREASED RESOURCE DETAILS OF MEANS OF TRANSPORT. Collected Scientific Works of Ukrainian State University of Railway Transport, 2021, , 85-97.	0.1	0
2	Information and analytical system to monitor operating processes and environmental performance of vehicle propulsion systems. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012064.	0.3	10
3	Improving Fuel Economy of Spark Ignition Engines Applying the Combined Method of Power Regulation. Energies, 2020, 13, 1076.	1.6	22
4	The Use of Digital Technologies to Provide Condition Monitoring and Modes of Vehicle Operation. Lecture Notes in Intelligent Transportation and Infrastructure, 2020, , 137-144.	0.3	0
5	Aspects of Remote Monitoring of the Transport Vessel Under Operating Conditions. Lecture Notes in Intelligent Transportation and Infrastructure, 2020, , 295-301.	0.3	2
6	Development of the analytical system for vehicle operating conditions management in the V2I information complex using simulation modeling. Eastern-European Journal of Enterprise Technologies, 2020, 5, 6-16.	0.3	7
7	Aspects of Forming the Information V2I Model of the Transport Vessel. , 2019, , .		2
8	Measurement of industrial robot pose repeatability. MATEC Web of Conferences, 2018, 244, 01015.	0.1	33
9	The peculiarities of monitoring road vehicle performance and environmental impact. MATEC Web of Conferences, 2018, 244, 03003.	0.1	21
10	Providing Reliability of Sliding Bearings for Gearwheels of High-Loaded Transport Vehicles Power Transmissions During Operation. , 2018, , .		7
11	Intelligent Locomotive Decision Support System Structure Development and Operation Quality Assessment. , 2018, , .		11
12	The Complex Application of Monitoring and Express Diagnosing for Searching Failures on Common Rail System Units. , 2018, , .		17
13	Improvement of the Assessment Methods for the Braking Dynamics with ABS Malfunction. , 2018, , .		11
14	Increase of Stability for Motor Cars in Service Braking. , 2018, , .		20
15	Features of Application Materials While Designing Phase Transition Heat Accumulators of Vehicle Engines. , 2017, , .		8
16	Cloud-Driven Traffic Monitoring and Control Based on Smart Virtual Infrastructure. , 2017, , .		16
17	Improving the Processes of Preheating and Heating after the Vehicular Engine Start by Using Heating System with Phase-Transitional Thermal Accumulator. , 0, , .		24
18	Improving Engine Pre-Start And After-Start Heating by Using the Combined Heating System. , 0, , .		23

#	ARTICLE	IF	CITATIONS
19	Improvement of Diagnosing Methods of the Diesel Engine Functioning under Operating Conditions. , 0, , .		22
20	The Evaluation of Vehicle Fuel Consumption and Harmful Emission Using the Heating System in a Driving Cycle. SAE International Journal of Fuels and Lubricants, 0, 10, 236-248.	0.2	33
21	Improving the Vehicular Engine Pre-Start and After-Start Heating by Using the Combined Heating System. , 0, , .		1
22	Evaluation of the Powertrain Condition Based on the Car Acceleration and Coasting Data. , 0, , .		17
23	Reducing Harmful Emissions of the Vehicular Engine by Rapid After-Start Heating of the Catalytic Converter Using Thermal Accumulator. , 0, , .		24
24	Information Model of V2I System of the Vehicle Technical Condition Remote Monitoring and Control in Operation Conditions. , 0, , .		41
25	Information Security Risk Management of Vehicles. , 0, , .		20
26	Assessment of Operation Speed and Precision of Electropneumatic Actuator of Mechanical Transmission Clutch Control System. , 0, , .		20
27	Numerical Assessment of the Rates of Solid Fuel Combustion Reactions and Their Impact on the Working Process of a Solid-Fuel Piston Engine. , 0, , .		3
28	System Approach to Forecasting Standards of Vehicles' Braking Efficiency. , 0, , .		1
29	Cognitive Model of the Internal Combustion Engine. , 0, , .		18
30	The Choice of a Rational Type of Fuel for Technological Vehicles. , 0, , .		8
31	Improving the Process of Vehicle Units Diagnosis by Applying Harmonic Analysis to the Processing of Discrete Signals. , 0, , .		10
32	Selection of Rational Parameters of Automated System of Robotic Transmission Clutch Control on the Basis of Simulation Modelling. , 0, , .		13
33	Optimization of Vehicle Operating Conditions by Using Simulation Modeling Software. , 0, , .		15
34	Features of Mathematical Modeling in the Problems of Determining the Power of a Turbocharged Engine according to the Characteristics of the Turbocharger. , 0, , .		1
35	Intelligent Control System of Magnetic-Impulse Parts Processing in Ship Repair Production. , 0, , .		0
36	Laser Interferometry to Investigate the Strain and Stress State of Details and Units of Heat Engines. SAE International Journal of Engines, 0, 15, .	0.4	0

#	ARTICLE	IF	CITATIONS
37	Features of Modeling Thermal Development Processes of the Vehicle Engine Based on Phase-Transitional Thermal Accumulators. , 0, , .		8
38	Features of Mathematical Modeling in the Problems of Determining the Power of a Turbocharged Engine According to the Characteristics of the Turbocharger. SAE International Journal of Engines, 0, 13, .	0.4	6
39	Providing of Sliding Bearings Reliability of Transmissions Gear Wheels of Transport Cars by Optimization of Assembly Tolerances. , 0, , .		2
40	Assessment of the Influence of Braking Devices over the Stability of Braking Properties of the Vehicles. , 0, , .		1
41	Application of Combined Electric Arc Coatings for Parts and Units of Vehicles Recovery in Repair Technologies. , 0, , .		1
42	Automated Diagnostic System for Engine Cylinder-Piston Group. , 0, , .		6
43	Improving the Processes of Thermal Preparation of an Automobile Engine with Petrol and Gas Supply Systems (Vehicle Engine with Petrol and LPG Supplying Systems). , 0, , .		4
44	Research of the Gas Fuel Supply Process on the Compression Stroke in Shipâ€™s Low-Speed Gas-Diesel Engines. , 0, , .		6
45	The System for Adding Hydrogen-containing Gas to the Air Charge of the Spark Ignition Engine Using a Thermoelectric Generator. , 0, , .		1
46	Complex Assessment of Fuel Efficiency and Diesel Exhaust Toxicity. , 0, , .		10
47	New Concept for Creating a Vehicle Hybrid Power Units. , 0, , .		7
48	Energy Approach to the Formation of Braking Properties of Vehicles. , 0, , .		1