

# Jörn Dißmann

## List of Publications by Year in descending order

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Version: 2024-02-01

76  
papers

526  
citations

623734

14  
h-index

794594

19  
g-index

83  
all docs

83  
docs citations

83  
times ranked

263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Research on Mansonâ€™Coffin Curves for the Frame Material of an Unconventional Vehicle. <i>Materials</i> , 2022, 15, 1768.	2.9	3
2	Assessment of Dynamics of a Rail Vehicle in Terms of Running Properties While Moving on a Real Track Model. <i>Symmetry</i> , 2022, 14, 536.	2.2	6
3	Improvement of Steerability and Driving Safety of an Electric Three-Wheeled Vehicle by a Design Modification of its Steering Mechanism. <i>LOGI - Scientific Journal on Transport and Logistics</i> , 2022, 13, 49-60.	1.0	5
4	An Application of a Magnetic Impulse for the Bending of Metal Sheet Specimens. <i>Materials</i> , 2022, 15, 3558.	2.9	1
5	Static analysis of tipping superstructure of single-axle tractor trailer. , 2022, , .		1
6	Numerical analysis of metro door component transmitting loads to basic structure. , 2022, , .		0
7	Calculation of Basic Indicators of Running Safety on the Example of a Freight Wagon with the y25 Bogie. <i>Communications - Scientific Letters of the University of Zilina</i> , 2022, 24, B259-B266.	0.6	0
8	A Mathematical Model of Operation of a Semi-Trailer Tractor Powertrain. <i>Communications - Scientific Letters of the University of Zilina</i> , 2022, 24, B267-B274.	0.6	0
9	Strength analysis of an off-road lorry frame. <i>Scientific Journal of Silesian University of Technology Series Transport</i> , 2021, 110, 23-33.	0.4	0
10	Applied Research of Applicability of High-Strength Steel for a Track of a Demining Machine in Term of Its Tribological Properties. <i>Metals</i> , 2021, 11, 505.	2.3	3
11	Static analysis of single-axle tractor trailer frame. , 2021, , .		0
12	Parametrization of effect of metro wagon basic structure door force model. , 2021, , .		0
13	A Numerical Study of a Compressed Air Engine with Rotating Cylinders. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7504.	2.5	4
14	The Dynamic and Strength Analysis of an Articulated Covered Wagon with the Circular Pipe Design. <i>Symmetry</i> , 2021, 13, 1398.	2.2	0
15	A Study of Improving Running Safety of a Railway Wagon with an Independently Rotating Wheelâ€™s Flange. <i>Symmetry</i> , 2021, 13, 1955.	2.2	6
16	Dynamic Properties and Wear Analysis of a Rail Vehicle with Wheels' Self-Lubricating Coatings. <i>Communications - Scientific Letters of the University of Zilina</i> , 2021, 23, B22-B32.	0.6	1
17	DESIGN AND STRENGTH ANALYSIS OF A CRANE HOOK WITH A 500 KG LIFTING CAPACITY. <i>Pernerâ€™s Contacts</i> , 2021, 16, .	0.1	2
18	Design of the Power of an Electric Lifting Motor for a Single Girder Bridge Crane with a 500 Kg Load Capacity. <i>Transport Technic and Technology</i> , 2021, 17, 23-29.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Evaluation of Ride Comfort in a Railway Passenger Car Depending on a Change of Suspension Parameters. <i>Sensors</i> , 2021, 21, 8138.	3.8	14
20	Clarification of Features of the Wheel Movement with a Perspective Constructive Scheme on a Rail. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6758.	2.5	6
21	Development of a New System for Attaching the Wheels of the Front Axle in the Cross-Country Vehicle. <i>Symmetry</i> , 2020, 12, 1156.	2.2	13
22	Improvement of diesel injector nozzle test techniques. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 985, 012031.	0.6	4
23	Design of a Mechanical Part of an Automated Platform for Oblique Manipulation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8467.	2.5	25
24	Experimental Determination of the Manson-Coffin Curves for an Original Unconventional Vehicle Frame. <i>Materials</i> , 2020, 13, 4675.	2.9	23
25	Research of the Fatigue Life of Welded Joints of High Strength Steel S960 QL Created Using Laser and Electron Beams. <i>Materials</i> , 2020, 13, 2539.	2.9	32
26	Design of a robotic manipulator for handling products of automotive industry. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988142090629.	2.1	12
27	Application of Light Metal Alloy EN AW 6063 to Vehicle Frame Construction with an Innovated Steering Mechanism. <i>Materials</i> , 2020, 13, 817.	2.9	24
28	FEM analysis of main parts of a manipulator for mounting a compressor to a car equipped with a pneumatic suspension system. <i>Diagnostyka</i> , 2020, 21, 87-94.	0.8	5
29	Design of quick clamping device of peripheral attachments for skid-steer loader. , 2020, , .		0
30	Design of pedestal for mounting of hydraulic grapple on skidder. , 2020, , .		0
31	Design of a prototype of an engine mechanism with rotating cylinders. <i>MATEC Web of Conferences</i> , 2020, 318, 01004.	0.2	0
32	Engineering design of a manipulator for mounting an air suspension compressor to a car chassis. <i>Scientific Journal of Silesian University of Technology Series Transport</i> , 2020, 109, 5-16.	0.4	0
33	Experimental investigation of the motorcycle braking properties when riding on different road surfaces. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 1002, 012030.	0.6	4
34	Analysis of driving properties of a three-wheeled vehicle with a newly designed steering system. <i>MATEC Web of Conferences</i> , 2019, 254, 03008.	0.2	0
35	Investigation of ride properties of a three-wheeled electric vehicle in terms of driving safety. <i>Transportation Research Procedia</i> , 2019, 40, 663-670.	1.5	11
36	Design of a technical solution for a metro door system. <i>Transportation Research Procedia</i> , 2019, 40, 767-773.	1.5	3

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37	Research of possibilities of reducing the driving resistance of a railway vehicle by means of the wheel construction improvement. <i>Transportation Research Procedia</i> , 2019, 40, 831-838.	1.5	6
38	Strength reanalysis and influence line equation of rack system drive force. <i>MATEC Web of Conferences</i> , 2019, 254, 02005.	0.2	0
39	Assessment of dynamic properties of a carriage using multibody simulation considering rigid and flexible tracks. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 659, 012052.	0.6	1
40	Determining of the drive power of a transport machine for disabled persons using a computational model. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 659, 012053.	0.6	0
41	Model for building traction information of suburban rolling stock on hydrogen fuel. <i>MATEC Web of Conferences</i> , 2019, 294, 01010.	0.2	1
42	Modification of a design of a wheel-tracked chassis of a mine clearing machine. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
43	Evaluation of Vibrational Properties of a Three-wheeled Vehicle in Terms of Comfort. <i>Manufacturing Technology</i> , 2019, 19, 197-203.	1.4	8
44	Influence of Suspension Parameters Changes of a Railway Vehicle on Output Quantities. <i>LOGI - Scientific Journal on Transport and Logistics</i> , 2019, 10, 20-29.	1.0	1
45	Increase of the Overturning Immunity of an Electric Tricycle. <i>Manufacturing Technology</i> , 2019, 19, 297-302.	1.4	3
46	Application of simulation computations in investigation of vibration properties of a tricycle. <i>Diagnostyka</i> , 2019, 20, 97-104.	0.8	3
47	DESIGN OF A METRO DOOR SYSTEM AND DETERMINATION OF MAIN LOADS. <i>Scientific Journal of Silesian University of Technology Series Transport</i> , 2019, 105, 49-64.	0.4	0
48	Process of modelling the freight wagon multibody system and analysing its dynamic properties by means of simulation computations. <i>MATEC Web of Conferences</i> , 2018, 235, 00027.	0.2	4
49	Piston kinematics of a combustion engine with unconventional crank mechanism. <i>MATEC Web of Conferences</i> , 2018, 244, 03006.	0.2	4
50	Evaluation of the Influence of a Rail Vehicle Running with Wheel-flat on the Railway Track. <i>LOGI - Scientific Journal on Transport and Logistics</i> , 2018, 9, 24-31.	1.0	5
51	Structural design of soldering station chain conveyor working positions. <i>MATEC Web of Conferences</i> , 2018, 157, 01002.	0.2	4
52	Assessment of a rail vehicle running with the damaged wheel on a ride comfort for passengers. <i>MATEC Web of Conferences</i> , 2018, 157, 03004.	0.2	14
53	Comparison of Analytical Stress Analysis and Numerical Calculation of Mobile Work Machine Part. <i>Manufacturing Technology</i> , 2018, 18, 190-193.	1.4	9
54	Computation of Modal Properties of Two Types of Freight Wagon Bogie Frames Using the Finite Element Method. <i>Manufacturing Technology</i> , 2018, 18, 208-214.	1.4	22

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55	Assessment of Passenger's Ride Comfort of a Tricycle. LOGI - Scientific Journal on Transport and Logistics, 2018, 9, 10-17.	1.0	3
56	Modification and analyses of structural properties of a goods wagon bogie frame. Diagnostyka, 2018, 20, 41-48.	0.8	6
57	Improvement driving characteristics of electric tricycle. , 2018, , .		6
58	Design and Structural Analysis of a Rack System for Using in Agriculture. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2018, 66, 641-646.	0.4	0
59	Simulation analysis of the selected control algorithms for semiactive suspension. WUT Journal of Transportation Engineering, 2018, 121, 245-256.	0.2	0
60	Engineering design and strength analyses of main load-bearing parts of a mechanical rack system. Diagnostyka, 2018, 19, 97-104.	0.8	2
61	Strength Analysis of a Freight Bogie Frame under the Defined Load Cases. Communications - Scientific Letters of the University of Zilina, 2018, 20, 58-62.	0.6	0
62	Numerical Analysis of the Structure Girder for Vehicle Axle Scale Calibration. Procedia Engineering, 2017, 177, 510-515.	1.2	12
63	Examination of Vertical Dynamics of Passenger Car with Wheel Flat Considering Suspension Parameters. Procedia Engineering, 2017, 187, 235-241.	1.2	18
64	Vertical Vibration of Two Axle Railway Vehicle. Procedia Engineering, 2017, 177, 25-32.	1.2	11
65	Vibration Analysis of a Coach with the Wheel-flat Due to Suspension Parameters Changes. Procedia Engineering, 2017, 192, 107-112.	1.2	23
66	Structural Analysis of a Modified Freight Wagon Bogie Frame. MATEC Web of Conferences, 2017, 134, 00010.	0.2	21
67	Assessment of the Passenger Ride Comfort for a Coach by Means of Simulation Computations. LOGI - Scientific Journal on Transport and Logistics, 2017, 8, 24-32.	1.0	6
68	Side Plate Strength Analysis of the Mechanism for Vehicle Axle Scale Calibration. Manufacturing Technology, 2017, 17, 147-151.	1.4	3
69	Strength Analysis of a Structure for Attachment of a Winch on SUV. Manufacturing Technology, 2017, 17, 291-295.	1.4	6
70	Design of a Three-Finger Robot Manipulator. Manufacturing Technology, 2016, 16, 485-489.	1.4	10
71	Analysis of a Goods Wagon Running on a Railway Test Track. Manufacturing Technology, 2016, 16, 667-672.	1.4	14
72	Simulation Analysis of the Effects of a Rail Vehicle Running with Wheel Flat. Manufacturing Technology, 2016, 16, 889-896.	1.4	27

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73	Evaluation of Ride Comfort for Passengers by Means of Computer Simulation. Manufacturing Technology, 2015, 15, 8-14.	1.4	20
74	Multibody System of a Rail Vehicle Bogie with a Flexible Body. Manufacturing Technology, 2015, 15, 781-788.	1.4	18
75	Analysis of the hydraulic arm for use on a light goods vehicle. , 2015, , 351-354.		2
76	Design and Application of Multi-software Platform for Solving of Mechanical Multi-body System Problems. , 2011, , 345-354.		20