

# Stephan Neumann

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

116  
citations

1478505

6  
h-index

1372567

10  
g-index

22  
all docs

22  
docs citations

22  
times ranked

97  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of hydraulic losses in radial cylindrical roller bearings using CFD simulations. Tribology International, 2017, 113, 245-251.	5.9	22
2	A modeling method for gear transmission efficiency in transient operating conditions. Mechanism and Machine Theory, 2020, 153, 103996.	4.5	16
3	CFD simulation of elastohydrodynamic lubrication problems with reduced order models for fluid-structure interaction. Tribology - Materials, Surfaces and Interfaces, 2017, 11, 30-38.	1.4	13
4	Modular System Modeling for Quantitative Reliability Evaluation of Technical Systems. Modeling, Identification and Control, 2016, 37, 19-29.	1.1	9
5	Reliability assessment of repairable phased-mission system by Monte Carlo simulation based on modular sequence-enforcing fault tree model. Eksploatacja I Niezawodnosc, 2020, 22, 272-281.	2.0	8
6	Optimization Workflows for Linking Model-Based Systems Engineering (MBSE) and Multidisciplinary Analysis and Optimization (MDAO). Applied Sciences (Switzerland), 2022, 12, 5316.	2.5	8
7	Condition monitoring of roller bearings using acoustic emission. Wind Energy Science, 2021, 6, 367-376.	3.3	7
8	Development of a Low-Friction Radial Shaft Seal: Using CFD Simulations to Optimise the Microstructured Sealing Lip. Lubricants, 2020, 8, 41.	2.9	6
9	Robustness Test for Wind Turbine Gearbox Bearings. Journal of Physics: Conference Series, 2018, 1037, 052012.	0.4	5
10	Determination of Hydraulic Losses in Radial Cylindrical Roller Bearings Using CFD Simulations. Tribology International, 2017, 113, 507-509.	5.9	4
11	Acoustic Response of Roller Bearings Under Critical Operating Conditions. Lecture Notes in Mechanical Engineering, 2020, , 740-749.	0.4	4
12	Reliability Evaluation of Drivetrains: Challenges for Off-Highway Machines. , 0, , .		3
13	Influence of Drivetrain Hybridization on Transmission Lifetime. Applied Sciences (Switzerland), 2020, 10, 7086.	2.5	2
14	Damage Diagnosis of Cardan Shafts in Mobile Mining Machines using Vibration Analysis. IOP Conference Series: Materials Science and Engineering, 2021, 1097, 012019.	0.6	2
15	Impact of fiber versus steel ropes on the lifetime of crane winches. Modeling, Identification and Control, 2020, 41, 129-139.	1.1	2
16	Towards a data-driven assistance system for operating segment erectors in tunnel boring machines. , 2021, , .		2
17	Load analysis of special operation conditions and implementation of derived load states in Bearing Robustness Test (BRT). Journal of Physics: Conference Series, 2019, 1222, 012021.	0.4	1
18	Instandhaltungsgerechtes Konstruieren. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2011, 106, 979-983.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Daten von Land- und Baumaschinen gewinnbringend nutzen. , 2021, , 471-520.		0