Piotr Osinski

List of Publications by Year
in descending order

20 papers	152 citations	1307594 7 h-index	1199594 12 g-index
22 all docs	22 docs citations	22 times ranked	59 citing authors

#	Article	IF	Citations
1	Discrete optimization of a gear pump after tooth root undercutting by means of multi-valued logic trees. Archives of Civil and Mechanical Engineering, 2013, 13, 422-431.	3.8	29
2	Problems relating to high-pressure gear micropumps. Archives of Civil and Mechanical Engineering, 2014, 14, 88-95.	3.8	25
3	Acoustic Diagnostics Applications in the Study of Technical Condition of Combustion Engine. Archives of Acoustics, 2016, 41, 345-350.	0.8	20
4	The Influence of Gear Micropump Body Asymmetry On Stress Distribution. Polish Maritime Research, 2017, 24, 60-65.	1.9	16
5	Assessment of energetistic measuring techniques and their application to diagnosis of acoustic condition of hydraulic machinery and equipment. Archives of Civil and Mechanical Engineering, 2013, 13, 313-321.	3.8	15
6	Decision Support System for Identifying Technical Condition of Combustion Engine. Archives of Acoustics, 2016, 41, 449-460.	0.8	13
7	Identification of Influence of Part Tolerances of 3PWR-SE Pump On Its Total Efficiency Taking Into Consideration Multi-Valued Logic Trees. Polish Maritime Research, 2017, 24, 47-59.	1.9	9
8	Strength calculations of an element compensating circumferential backlash in the external gear pump. Journal of Theoretical and Applied Mechanics, 0, , 251.	0.5	6
9	Hydraulic Tests of the PZ0 Gear Micropump and the Importance Rank of Its Design and Operating Parameters. Energies, 2022, 15, 3068.	3.1	4
10	Analysis of Dimensional Tolerances on Hydraulic and Acoustic Properties of a New Type of Prototypal Gear Pumps. Applied Sciences (Switzerland), 2020, 10, 8535.	2.5	2
11	FEM Strength Analysis of Circumferential Compensation with Integrated Lips in Gear Pumps. Energies, 2022, 15, 2691.	3.1	2
12	Assessment of Energetistic Measuring Techniques and Their Application to Diagnosis of Acoustic Condition of Hydraulic Machinery and Equipment. , 2002, , .		1
13	Theoretical and Experimental Fatigue Strength Calculations of Lips Compensating Circumferential Backlash in Gear Pumps. Energies, 2021, 14, 251.	3.1	1
14	Optimizing the Break-in Process of High-Pressure Gear Pumps. Lecture Notes in Mechanical Engineering, 2021, , 65-75.	0.4	1
15	Acoustic tests of type KPF1 high-pressure external gear pumps. Czasopismo Techniczne, 2020, , 1-10.	1.0	1
16	Identification of Influence of Part Tolerances of 2PWR-SE Pump on Its Total Efficiency Taking into Consideration Multi-valued Logic Trees. Lecture Notes in Mechanical Engineering, 2019, , 128-135.	0.4	1
17	Identification of Influence of Part Tolerances of 1PWR-SE Pump on its Total Efficiency taking into consideration Multi-Valued Logic Trees. Journal of Automation, Mobile Robotics and Intelligent Systems, 2019, 12, 28-41.	0.4	0
18	Durability tests of prototype gear pumps with reduced flow ripple. Czasopismo Techniczne, 2020, , 1-8.	1.0	0

#	Article	IF	Citations
19	Assessment of the Effectiveness of Passive and Active Methods in Noise Suppression in Machines and Equipment with the Hydrostatic Drive. Lecture Notes in Mechanical Engineering, 2021, , 252-263.	0.4	0
20	Strength Calculation Methodology for Circumferential Backlash Compensation with Integrated Lips. Lecture Notes in Mechanical Engineering, 2021, , 50-64.	0.4	0