

Rudolf Scheidl

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

117
citations

1478505

6
h-index

1281871

11
g-index

18
all docs

18
docs citations

18
times ranked

86
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Piloted Fast Switching Multi Poppet Valve. International Journal of Fluid Power, 2010, 11, 7-14.	0.7	29
2	Modelling of a Switching Control Hydraulic System. Mathematical and Computer Modelling of Dynamical Systems, 2005, 11, 329-344.	2.2	24
3	Sensorless position control with a hydraulic stepper drive " Concept, compression modeling and experimental investigation. Mechatronics, 2016, 35, 91-101.	3.3	18
4	Digital hydraulics and "Industrie 4.0". Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2017, 231, 82-93.	1.0	11
5	Tensor analysis based symbolic computation for mechatronic systems. Mathematics and Computers in Simulation, 1998, 46, 517-525.	4.4	7
6	The Cushioning Groove for Solenoid Switching Valves ". JFPS International Journal of Fluid Power System, 2014, 8, 76-81.	0.3	6
7	Performance of an Energy Efficient Low Power Stepper Converter. Energies, 2017, 10, 445.	3.1	6
8	Hydraulic Switching Control Supplementing Speed Variable Hydraulic Drives. Actuators, 2020, 9, 129.	2.3	4
9	The buckling beam as actuator element for on-off hydraulic micro valves. International Journal of Hydromechatronics, 2021, 4, 55.	2.3	3
10	High Pressure Capabilities of Slender Squeeze Gaps of Magneto-Rheological Fluids. International Journal of Fluid Power, 2010, 11, 25-36.	0.7	2
11	Finite Element Analysis of 3D Viscid Periodic Wave Propagation in Hydraulic Systems. International Journal of Fluid Power, 2009, 10, 47-57.	0.7	1
12	Special Issue on Digital Hydraulics. International Journal of Fluid Power, 2010, 11, 5-5.	0.7	1
13	Feasibility Study of a Novel Sleeve Type Switching Valve. International Journal of Fluid Power, 2011, 12, 27-35.	0.7	1
14	The Hydraulically Controlled Oscillating Piston Converter. Energies, 2021, 14, 2156.	3.1	1
15	Global Analysis of an RC-Filter for a Switched Hydraulic Drive. , 2017, , .		1
16	A mathematical analysis of a hydraulic binary counter for hydraulic exoskeleton actuation. International Journal of Hydromechatronics, 2018, 1, 153.	2.3	1
17	An Approximate, Closed Form Solution of Sealing Gap Induced Lateral Forces for Imperfect Sealing Land Geometries. Lecture Notes in Mechanical Engineering, 2021, , 102-111.	0.4	1
18	Fluid Stiction From a Contact Condition. International Journal of Fluid Power, 0, , .	0.7	0