

Kim A Stelson

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2383353/kim-a-stelson-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

190
citations

9
h-index

13
g-index

25
ext. papers

219
ext. citations

2.6
avg, IF

2.88
L-index

#	Paper	IF	Citations
23	Experimental Validation of a Hydrostatic Transmission for Community Wind Turbines. <i>Energies</i> , 2022 , 15, 376	3.1	2
22	Dynamics and Control of an Energy-Efficient, Power-Regenerative, Hydrostatic Wind Turbine Dynamometer. <i>Energies</i> , 2022 , 15, 2868	3.1	
21	A Fast and Effective Method for the Optimization of the Valve Plate of Swashplate Axial Piston Pumps. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2021 , 143,	2.1	2
20	Improving the reliability and energy production of large wind turbine with a digital hydrostatic drivetrain. <i>Applied Energy</i> , 2019 , 251, 113309	10.7	22
19	Design of a Power Regenerative Hydrostatic Wind Turbine Test Platform. <i>JFPS International Journal of Fluid Power System</i> , 2019 , 11, 130-135	0.3	1
18	Optimal design of a power-split hybrid hydraulic bus. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2016 , 230, 1699-1718	1.4	9
17	Comparative Study of Energy Management Strategies for Hydraulic Hybrids. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	7
16	Analysis of Short-Term Energy Storage for Midsize Hydrostatic Wind Turbine1. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2014 , 136,	1.6	16
15	The Center for Compact and Efficient Fluid Power. <i>Mechanical Engineering</i> , 2013 , 135, S2-S3	0.9	
14	Optimal Energy Use in a Light Weight Hydraulic Hybrid Passenger Vehicle. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012 , 134,	1.6	19
13	An energy management strategy for a hydraulic hybrid vehicle 2012 ,		3
12	Scaling Analysis and a Critical Thickness Criterion for Thermosetting Composites. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2011 , 133,	3.3	2
11	Modeling, Control, and Experimental Validation of a Transient Hydrostatic Dynamometer. <i>IEEE Transactions on Control Systems Technology</i> , 2011 , 19, 1578-1586	4.8	12
10	Active Control of Sound Transmission Through Windows With Carbon Nanotube-Based Transparent Actuators. <i>IEEE Transactions on Control Systems Technology</i> , 2007 , 15, 704-714	4.8	11
9	Estimation, Control and Optimization of Curing in Thick-Sectioned Composite Parts. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2004 , 126, 824-833	1.6	9
8	Modeling and Closed-Loop Control of Stretch Bending of Aluminum Rectangular Tubes. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2003 , 125, 113-119	3.3	19
7	Distortion of Rectangular Tubes in Stretch Bending. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2002 , 124, 886-890	3.3	9

6	Lapping Control of Hard Disk Drive Heads. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2001 , 123, 439-448	1.6	1
5	Three-Dimensional Tube Geometry Control for Rotary Draw Tube Bending, Part 1: Bend Angle and Overall Tube Geometry Control. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2001 , 123, 258-265	3.3	19
4	Three-Dimensional Tube Geometry Control for Rotary Draw Tube Bending, Part 2: Statistical Tube Tolerance Analysis and Adaptive Bend Correction. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2001 , 123, 266-271	3.3	11
3	Modeling and Control of the In-Situ Thermoplastic Composite Tape-Laying Process. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1998 , 120, 507-515	1.6	5
2	System Identification and Adaptive Control of the Multi-Axis Bending and Twisting Process. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1997 , 119, 782-790	1.6	7
1	Compressible-Flow Modeling With Pseudo Bond Graphs. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1994 , 116, 272-280	1.6	4