

Kim A Stelson

List of Publications by Citations

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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	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
22	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
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	An energy management strategy for a hydraulic hybrid vehicle 2012 ,		3
7	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

6	Experimental Validation of a Hydrostatic Transmission for Community Wind Turbines. <i>Energies</i> , 2022 , 15, 376	3.1	2
5	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
4	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
3	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
2	The Center for Compact and Efficient Fluid Power. <i>Mechanical Engineering</i> , 2013 , 135, S2-S3	0.9	
1	Dynamics and Control of an Energy-Efficient, Power-Regenerative, Hydrostatic Wind Turbine Dynamometer. <i>Energies</i> , 2022 , 15, 2868	3.1	