

John R Wagner

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

493
citations

840776

11
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

443
citing authors

#	ARTICLE	IF	CITATIONS
1	Acceptance criteria for the tracking error of wind turbine drivetrain test bench when replicating dynamic loads. <i>Wind Engineering</i> , 2022, 46, 160-176.	1.9	4
2	Experimental verification of predicted capability of a wind turbine drivetrain test bench to replicate dynamic loads onto multi-megawatt nacelles. <i>Wind Engineering</i> , 2022, 46, 1047-1064.	1.9	1
3	Unmanned Ground Vehicle Platooning Under Cyber Attacks: A Human-Robot Interaction Framework. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 18113-18128.	8.0	5
4	Dynamic Control of Multisection Three-Dimensional Continuum Manipulators Based on Virtual Discrete-Jointed Robot Models. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 777-788.	5.8	39
5	A Traveling Wave Thermoacoustic Engine Design and Test. <i>ASME Letters in Dynamic Systems and Control</i> , 2021, 1, .	0.7	3
6	Safety-Aware Adversarial Inverse Reinforcement Learning for Highway Autonomous Driving. <i>ASME Journal of Autonomous Vehicles and Systems</i> , 2021, 1, .	0.7	2
7	Development of a heat pipe based battery thermal management system for hybrid electric vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2020, 234, 1532-1543.	1.9	14
8	A Discrete-Jointed Robot Model Based Control Strategy for Spatial Continuum Manipulators. , 2020, , .		4
9	Continuum Robot Control Based on Virtual Discrete-Jointed Robot Models. , 2018, , .		5
10	A Mixed-Initiative Haptic Teleoperation Strategy for Mobile Robotic Systems Based on Bidirectional Computational Trust Analysis. <i>IEEE Transactions on Robotics</i> , 2017, 33, 1500-1507.	10.3	31
11	A haptic interface with adjustable feedback for unmanned aerial vehicles (UAVs) -model, control, and test. , 2016, , .		1
12	Energy efficient refrigeration - improvement of compact thermoelectric units through modeling, testing, and control. , 2016, , .		0
13	A comparative evaluation of viewing metaphors on psychophysical skills education in an interactive virtual environment. <i>Virtual Reality</i> , 2016, 20, 141-157.	6.1	41
14	A video based run-off-road training program with practice and evaluation in a simulator. <i>Accident Analysis and Prevention</i> , 2015, 82, 1-9.	5.7	7
15	Optimization of an automotive radiator fan array operation to reduce power consumption. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 2359-2369.	5.8	32
16	A comparison of multivariate signal discrimination techniques. <i>Journal of Statistical Computation and Simulation</i> , 2015, 85, 494-506.	1.2	0
17	A Comparison of Multiple Control Strategies for Vehicle Run-Off-Road and Return. <i>IEEE Transactions on Vehicular Technology</i> , 2015, 64, 901-911.	6.3	10
18	Validation of a fixed-base automotive simulator for run-off-road safety and recovery training. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2015, 229, 574-589.	1.9	7

#	ARTICLE	IF	CITATIONS
19	Modeling and analysis of an atmospheric driven Atmos clock with mechanical escapement control. , 2013, , .		4
20	Evaluation of a customizable haptic feedback system for ground vehicle steer-by-wire interfaces. , 2012, , .		9
21	Application of Pseudo-Poincaré Maps to Assess Gas Turbine System Health. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	1.1	2
22	Robust nonlinear control strategy to maximize energy capture in a variable speed wind turbine with an internal induction generator. Journal of Control Theory and Applications, 2012, 10, 184-194.	0.8	20
23	An Integrated Child Safety Seat Cooling System Model and Test. IEEE Transactions on Vehicular Technology, 2012, 61, 1999-2007.	6.3	15
24	A Customizable Automotive Steering System With a Haptic Feedback Control Strategy for Obstacle Avoidance Notification. IEEE Transactions on Vehicular Technology, 2011, 60, 4208-4216.	6.3	26
25	Modeling and analysis of a weight driven mechanical tower clock. , 2010, , .		3
26	A Smart Multiple-Loop Automotive Cooling System Model, Control, and Experimental Study. IEEE/ASME Transactions on Mechatronics, 2010, 15, 117-124.	5.8	51
27	Thermal protection of vehicle payloads using phase change materials and liquid cooling. , 2010, , .		7
28	An Adjustable Steer-by-Wire Haptic-Interface Tracking Controller for Ground Vehicles. IEEE Transactions on Vehicular Technology, 2009, 58, 546-554.	6.3	61
29	Nonlinear-Control Strategy for Advanced Vehicle Thermal-Management Systems. IEEE Transactions on Vehicular Technology, 2008, 57, 127-137.	6.3	68
30	Time-Varying Angular Rate Sensing for a MEMS Z-Axis Gyroscope. , 2006, , .		4
31	Investigation of active torsion bar actuator configurations to reduce vehicle body roll. Vehicle System Dynamics, 2006, 44, 719-736.	3.7	17