

# John R Wagner

## List of Publications by Year in descending order

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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	Nonlinear-Control Strategy for Advanced Vehicle Thermal-Management Systems. IEEE Transactions on Vehicular Technology, 2008, 57, 127-137.	6.3	68
2	An Adjustable Steer-by-Wire Haptic-Interface Tracking Controller for Ground Vehicles. IEEE Transactions on Vehicular Technology, 2009, 58, 546-554.	6.3	61
3	A Smart Multiple-Loop Automotive Cooling System—Model, Control, and Experimental Study. IEEE/ASME Transactions on Mechatronics, 2010, 15, 117-124.	5.8	51
4	A comparative evaluation of viewing metaphors on psychophysical skills education in an interactive virtual environment. Virtual Reality, 2016, 20, 141-157.	6.1	41
5	Dynamic Control of Multisection Three-Dimensional Continuum Manipulators Based on Virtual Discrete-Jointed Robot Models. IEEE/ASME Transactions on Mechatronics, 2021, 26, 777-788.	5.8	39
6	Optimization of an automotive radiator fan array operation to reduce power consumption. IEEE/ASME Transactions on Mechatronics, 2015, 20, 2359-2369.	5.8	32
7	A Mixed-Initiative Haptic Teleoperation Strategy for Mobile Robotic Systems Based on Bidirectional Computational Trust Analysis. IEEE Transactions on Robotics, 2017, 33, 1500-1507.	10.3	31
8	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
9	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
10	Investigation of active torsion bar actuator configurations to reduce vehicle body roll. Vehicle System Dynamics, 2006, 44, 719-736.	3.7	17
11	An Integrated Child Safety Seat Cooling System—Model and Test. IEEE Transactions on Vehicular Technology, 2012, 61, 1999-2007.	6.3	15
12	Development of a heat pipe—based battery thermal management system for hybrid electric vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 1532-1543.	1.9	14
13	A Comparison of Multiple Control Strategies for Vehicle Run-Off-Road and Return. IEEE Transactions on Vehicular Technology, 2015, 64, 901-911.	6.3	10
14	Evaluation of a customizable haptic feedback system for ground vehicle steer-by-wire interfaces. , 2012, , .		9
15	Thermal protection of vehicle payloads using phase change materials and liquid cooling. , 2010, , .		7
16	A video based run-off-road training program with practice and evaluation in a simulator. Accident Analysis and Prevention, 2015, 82, 1-9.	5.7	7
17	Validation of a fixed-base automotive simulator for run-off-road safety and recovery training. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 574-589.	1.9	7
18	Continuum Robot Control Based on Virtual Discrete-Jointed Robot Models. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	Unmanned Ground Vehicle Platooning Under Cyber Attacks: A Human-Robot Interaction Framework. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 18113-18128.	8.0	5
20	Time-Varying Angular Rate Sensing for a MEMS Z-Axis Gyroscope. , 2006, , .		4
21	Modeling and analysis of an atmospheric driven Atmos clock with mechanical escapement control. , 2013, , .		4
22	Acceptance criteria for the tracking error of wind turbine drivetrain test bench when replicating dynamic loads. Wind Engineering, 2022, 46, 160-176.	1.9	4
23	A Discrete-Jointed Robot Model Based Control Strategy for Spatial Continuum Manipulators. , 2020, , .		4
24	Modeling and analysis of a weight driven mechanical tower clock. , 2010, , .		3
25	A Traveling Wave Thermoacoustic Engine"Design and Test. ASME Letters in Dynamic Systems and Control, 2021, 1, .	0.7	3
26	Application of Pseudo-Poincaré Maps to Assess Gas Turbine System Health. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	1.1	2
27	Safety-Aware Adversarial Inverse Reinforcement Learning for Highway Autonomous Driving. ASME Journal of Autonomous Vehicles and Systems, 2021, 1, .	0.7	2
28	A haptic interface with adjustable feedback for unmanned aerial vehicles (UAVs) -model, control, and test. , 2016, , .		1
29	Experimental verification of predicted capability of a wind turbine drivetrain test bench to replicate dynamic loads onto multi-megawatt nacelles. Wind Engineering, 2022, 46, 1047-1064.	1.9	1
30	A comparison of multivariate signal discrimination techniques. Journal of Statistical Computation and Simulation, 2015, 85, 494-506.	1.2	0
31	Energy efficient refrigeration - improvement of compact thermoelectric units through modeling, testing, and control. , 2016, , .		0