Daniel Garcia-Pozuelo Ramos

List of Publications by Year
in descending order

16 papers	290 citations	1040056 9 h-index	1199594 12 g-index
16 all docs	16 docs citations	16 times ranked	165 citing authors

#	Article	IF	Citations
1	Characterization of the loss of grip condition in the Strain-Based Intelligent Tire at severe maneuvers. Mechanical Systems and Signal Processing, 2022, 168, 108586.	8.0	9
2	Estimation of tire-road contact forces through a model-based approach employing strain measurements. Meccanica, 2022, 57, 1801-1829.	2.0	3
3	A Strain-Based Intelligent Tire to Detect Contact Patch Features for Complex Maneuvers. Sensors, 2020, 20, 1750.	3.8	18
4	CARBON FIBER REINFORCED PLASTICS (CFRP) MONOCOQUE STRUCTURE FOR FORMULA STUDENT CAR. Dyna (Spain), 2020, 95, 18-22.	0.2	0
5	A Strain-Based Method to Estimate Tire Parameters for Intelligent Tires under Complex Maneuvering Operations. Sensors, 2019, 19, 2973.	3.8	18
6	A real-time physical model for strain-based intelligent tires. Sensors and Actuators A: Physical, 2019, 288, 1-9.	4.1	28
7	Development and experimental validation of a real-time analytical model for different intelligent tyre concepts. Vehicle System Dynamics, 2019, 57, 1970-1988.	3.7	20
8	A Strain-Based Method to Detect Tiresâ€™ Loss of Grip and Estimate Lateral Friction Coefficient from Experimental Data by Fuzzy Logic for Intelligent Tire Development. Sensors, 2018, 18, 490.	3.8	22
9	A Constrained Dual Kalman Filter Based on pdf Truncation for Estimation of Vehicle Parameters and Road Bank Angle: Analysis and Experimental Validation. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1006-1016.	8.0	43
10	A Novel Strain-Based Method to Estimate Tire Conditions Using Fuzzy Logic for Intelligent Tires. Sensors, 2017, 17, 350.	3.8	40
11	A Strain-Based Method to Estimate Slip Angle and Tire Working Conditions for Intelligent Tires Using Fuzzy Logic. Sensors, 2017, 17, 874.	3.8	32
12	Bump Modeling and Vehicle Vertical Dynamics Prediction. Advances in Mechanical Engineering, 2014, 6, 736576.	1.6	15
13	A test for lateral vehicle safety related to road design. Proceedings of the Institution of Civil Engineers: Transport, 2012, 165, 187-194.	0.6	2
14	Application of Neural Networks for Estimation of Tyre/Road Forces. , 2009, , .		2
15	Experimental Investigation of Tire Dynamic Strain Characteristics for Developing Strain-Based Intelligent Tire System. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 6, 97-108.	0.4	19
16	FE-Based Tire Loading Estimation for Developing Strain-Based Intelligent Tire System. , 0, , .		19