

# Daniel Garcia-Pozuelo Ramos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2285488/publications.pdf>

Version: 2024-02-01

16  
papers

290  
citations

1040056

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1199594

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docs citations

16  
times ranked

165  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Novel Strain-Based Method to Estimate Tire Conditions Using Fuzzy Logic for Intelligent Tires. Sensors, 2017, 17, 350.	3.8	40
3	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
4	A real-time physical model for strain-based intelligent tires. Sensors and Actuators A: Physical, 2019, 288, 1-9.	4.1	28
5	A Strain-Based Method to Detect Tires' 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
6	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
7	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
8	FE-Based Tire Loading Estimation for Developing Strain-Based Intelligent Tire System. , 0, , .		19
9	A Strain-Based Method to Estimate Tire Parameters for Intelligent Tires under Complex Maneuvering Operations. Sensors, 2019, 19, 2973.	3.8	18
10	A Strain-Based Intelligent Tire to Detect Contact Patch Features for Complex Maneuvers. Sensors, 2020, 20, 1750.	3.8	18
11	Bump Modeling and Vehicle Vertical Dynamics Prediction. Advances in Mechanical Engineering, 2014, 6, 736576.	1.6	15
12	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
13	Estimation of tire-road contact forces through a model-based approach employing strain measurements. Meccanica, 2022, 57, 1801-1829.	2.0	3
14	Application of Neural Networks for Estimation of Tyre/Road Forces. , 2009, , .		2
15	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
16	CARBON FIBER REINFORCED PLASTICS (CFRP) MONOCOQUE STRUCTURE FOR FORMULA STUDENT CAR. Dyna (Spain), 2020, 95, 18-22.	0.2	0