

# Antonio Tota

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

328  
citations

1163117

8  
h-index

1125743

13  
g-index

23  
all docs

23  
docs citations

23  
times ranked

203  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the model-based design of front-to-total anti-roll moment distribution controllers for yaw rate tracking. <i>Vehicle System Dynamics</i> , 2022, 60, 569-596.	3.7	10
2	On the Power-Weighted Efficiency of Multimode Powertrains: A Case Study on a Two-Mode Hybrid System. <i>Mechanisms and Machine Science</i> , 2022, , 522-531.	0.5	1
3	Preview-based techniques for vehicle suspension control: a state-of-the-art review. <i>Annual Reviews in Control</i> , 2021, 51, 206-235.	7.9	63
4	Analytical Study on the Cornering Behavior of an Articulated Tracked Vehicle. <i>Machines</i> , 2021, 9, 38.	2.2	11
5	Articulated Steering Control for an All-Terrain Tracked Vehicle. <i>Mechanisms and Machine Science</i> , 2021, , 823-830.	0.5	3
6	Energy Management Strategy for Hybrid Multimode Powertrains: Influence of Inertial Properties and Road Inclination. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11752.	2.5	5
7	Adaptive Equivalent Consumption Minimization Strategy With Rule-Based Gear Selection for the Energy Management of Hybrid Electric Vehicles Equipped With Dual Clutch Transmissions. <i>IEEE Access</i> , 2020, 8, 190017-190038.	4.2	10
8	Passenger car active braking system: Pressure control design and experimental results (part II). <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 786-798.	2.1	10
9	Passenger car active braking system: Model and experimental validation (Part I). <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 585-594.	2.1	12
10	Path Tracking Control for Autonomous Driving Applications. <i>Mechanisms and Machine Science</i> , 2018, , 456-467.	0.5	1
11	On the Experimental Analysis of Integral Sliding Modes for Yaw Rate and Sideslip Control of an Electric Vehicle with Multiple Motors. <i>International Journal of Automotive Technology</i> , 2018, 19, 811-823.	1.4	40
12	Real time implementation of socially acceptable collision avoidance of a low speed autonomous shuttle using the elastic band method. <i>Mechatronics</i> , 2018, 50, 341-355.	3.3	34
13	Enhancing vehicle cornering limit through sideslip and yaw rate control. <i>Mechanical Systems and Signal Processing</i> , 2016, 75, 455-472.	8.0	71
14	Experimental Analysis and Model Validation of a Dual Mass Flywheel for Passenger Cars. , 2015, , .		8
15	Enhancing Transmission NVH Performance through Powertrain Control Integration with Active Braking System. , 0, , .		11
16	Pressure Following Strategy for Conventional Braking Control Applied to a HIL Test Bench. <i>SAE International Journal of Passenger Cars - Mechanical Systems</i> , 0, 10, 721-727.	0.4	11
17	Driveline Backlash and Half-shaft Torque Estimation for Electric Powertrains Control. , 0, , .		10
18	A Methodology for Parameter Estimation of Nonlinear Single Track Models from Multibody Full Vehicle Simulation. , 0, , .		2

#	ARTICLE	IF	CITATIONS
19	On the Road Profile Estimation from Vehicle Dynamics Measurements. , 0, , .		2
20	Steering Behavior of an Articulated Amphibious All-Terrain Tracked Vehicle. , 0, , .		5
21	Experimental Ride Comfort Analysis of an Electric Light Vehicle in Urban Scenario. , 0, , .		6
22	A Smart Measuring System for Vehicle Dynamics Testing. , 0, , .		1