

# Gastone Pietro Rosati Papini

## List of Publications by Year in descending order

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25  
papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	A Reinforcement Learning Approach for Enacting Cautious Behaviours in Autonomous Driving System: Safe Speed Choice in the Interaction With Distracted Pedestrians. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8805-8822.	8.0	11
2	Efficient Prediction of Human Motion for Real-Time Robotics Applications With Physics-Inspired Neural Networks. IEEE Access, 2022, 10, 144-157.	4.2	7
3	The Biasing of Action Selection Produces Emergent Human-Robot Interactions in Autonomous Driving. IEEE Robotics and Automation Letters, 2022, 7, 1254-1261.	5.1	4
4	Occupancy Grid Mapping with Cognitive Plausibility for Autonomous Driving Applications. , 2021, , .		5
5	Modelling longitudinal vehicle dynamics with neural networks. Vehicle System Dynamics, 2020, 58, 1675-1693.	3.7	26
6	A Mental Simulation Approach for Learning Neural-Network Predictive Control (in Self-Driving Cars). IEEE Access, 2020, 8, 192041-192064.	4.2	18
7	Agent Architecture for Adaptive Behaviors in Autonomous Driving. IEEE Access, 2020, 8, 154906-154923.	4.2	13
8	Dreaming Mechanism for Training Bio-Inspired Driving Agents. Advances in Intelligent Systems and Computing, 2019, , 429-434.	0.6	1
9	Modelling and testing of a wave energy converter based on dielectric elastomer generators. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20180566.	2.1	41
10	On the Stability and Robustness of Hierarchical Vehicle Lateral Control With Inverse/Forward Dynamics Quasi-Cancellation. IEEE Transactions on Vehicular Technology, 2019, 68, 10559-10570.	6.3	8
11	Mental Imagery for Intelligent Vehicles. , 2019, , .		5
12	Resonant wave energy harvester based on dielectric elastomer generator. Smart Materials and Structures, 2018, 27, 035015.	3.5	75
13	Control of an oscillating water column wave energy converter based on dielectric elastomer generator. Nonlinear Dynamics, 2018, 92, 181-202.	5.2	24
14	Field Experiments on Dielectric Elastomer Generators Integrated on a U-OWC Wave Energy Converter. , 2018, , .		6
15	Autonomous Vehicle Architecture Inspired by the Neurocognition of Human Driving. , 2018, , .		2
16	Desktop Haptic Interface for Simulation of Hand-Tremor. IEEE Transactions on Haptics, 2016, 9, 33-42.	2.7	15
17	Analysis and Design of an Oscillating Water Column Wave Energy Converter With Dielectric Elastomer Power Take-Off. , 2015, , .		6
18	Reduced Model and Application of Inflating Circular Diaphragm Dielectric Elastomer Generators for Wave Energy Harvesting. Journal of Vibration and Acoustics, Transactions of the ASME, 2015, 137, .	1.6	60

#	ARTICLE	IF	CITATIONS
19	Hardware in the loop simulation of a dielectric elastomer generator for oscillating water column wave energy converters. , 2015, , .		3
20	In-tank tests of a dielectric elastomer generator for wave energy harvesting. , 2014, , .		20
21	A flexible framework for mobile based haptic rendering. , 2013, , .		2
22	Oscillating-water-column wave-energy-converter based on dielectric elastomer generator. Proceedings of SPIE, 2013, , .	0.8	22
23	Dynamic Model of Dielectric Elastomer Diaphragm Generators for Oscillating Water Column Wave Energy Converters. , 2013, , .		7
24	Haptic hand-tremor simulation for enhancing empathy with disabled users. , 2013, , .		1
25	Transparent force control for Body Extender. , 2012, , .		2