Richard Romano

List of Publications by Year
in descending order

29 papers	1,050 citations	759233 12 h-index	713466 21 g-index
36 all docs	36 docs citations	36 times ranked	730 citing authors

#	Article	IF	Citations
1	Control Task Substitution in Semiautomated Driving. Human Factors, 2012, 54, 747-761.	3.5	254
2	Surrogate in-vehicle information systems and driver behaviour: Effects of visual and cognitive load in simulated rural driving. Transportation Research Part F: Traffic Psychology and Behaviour, 2005, 8, 79-96.	3.7	162
3	Using the UTAUT2 model to explain public acceptance of conditionally automated (L3) cars: A questionnaire study among 9,118 car drivers from eight European countries. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 74, 280-297.	3.7	106
4	Coming back into the loop: Drivers' perceptual-motor performance in critical events after automated driving. Accident Analysis and Prevention, 2017, 108, 9-18.	5.7	84
5	Were they in the loop during automated driving? Links between visual attention and crash potential. Injury Prevention, 2017, 23, 281-286.	2.4	60
6	Engaging with Highly Automated Driving: To be or Not to be in the Loop?. , 2015, , .		56
7	Engaging in NDRTs affects drivers' responses and glance patterns after silent automation failures. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 62, 870-882.	3.7	48
8	Risk-based autonomous vehicle motion control with considering human driver's behaviour. Transportation Research Part C: Emerging Technologies, 2019, 107, 1-14.	7.6	47
9	Sustained sensorimotor control as intermittent decisions about prediction errors: computational framework and application to ground vehicle steering. Biological Cybernetics, 2018, 112, 181-207.	1.3	45
10	The effect of varying levels of vehicle automation on drivers' lane changing behaviour. PLoS ONE, 2018, 13, e0192190.	2.5	24
11	ActEarly: a City Collaboratory approach to early promotion of good health and wellbeing. Wellcome Open Research, 2019, 4, 156.	1.8	23
12	Variable-Drift Diffusion Models of Pedestrian Road-Crossing Decisions. Computational Brain & Behavior, 2022, 5, 60-80.	1.7	22
13	The effect of motor control requirements on drivers' eye-gaze pattern during automated driving. Accident Analysis and Prevention, 2020, 148, 105788.	5.7	15
14	Human-Like Decision Making and Motion Control for Smooth and Natural Car Following. IEEE Transactions on Intelligent Vehicles, 2023, 8, 263-274.	12.7	13
15	Real-Time Multi-Body Vehicle Dynamics Using a Modular Modeling Methodology. , 0, , .		12
16	Using Driver Control Models to Understand and Evaluate Behavioral Validity of Driving Simulators. IEEE Transactions on Human-Machine Systems, 2018, 48, 592-603.	3.5	12
17	Optimal Smooth Paths Based on Clothoids for Car-like Vehicles in the Presence of Obstacles. International Journal of Control, Automation and Systems, 2021, 19, 2163-2182.	2.7	10
18	Modelling visual-vestibular integration and behavioural adaptation in the driving simulator. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 66, 310-323.	3.7	9

#	Article	IF	Citations
19	Predicting takeover response to silent automated vehicle failures. PLoS ONE, 2020, 15, e0242825.	2.5	8
20	Realtime Driving Simulation Using A Modular Modeling Methodology. , 2000, , .		7
21	Impact of lane keeping assist system camera misalignment on driver behavior. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2021, 25, 157-169.	4.2	6
22	Driver-centred Autonomous Vehicle Motion Control within A Blended Corridor. IFAC-PapersOnLine, 2019, 52, 212-217.	0.9	5
23	Takeover Performance and Workload under Varying Automation Levels, Time Budget and Road Curvature. , 2022, , .		4
24	Validation of Real-Time Multi-Body Vehicle Dynamics Models for Use in Product Design and Acquisition. , 2004, , .		3
25	The effect of inconsistent steering guidance during transitions from Highly Automated Driving. Accident Analysis and Prevention, 2022, 167, 106572.	5.7	3
26	Automated Methods for Converting a Non Real-time Cartesian Multi-body Vehicle Dynamics Model to a Real-time Recursive Model. , 0, , .		1
27	Motion Base Simulation of a Hybrid-Electric HMMWV for Fuel Economy Measurement. SAE International Journal of Commercial Vehicles, 2008, 1, 41-53.	0.4	1
28	Doctor when can I drive? Braking response after knee arthroplasty: A systematic review & meta-analysis of brake reaction time. Knee, 2021, 30, 214-240.	1.6	1
29	Development of a Vehicle Model/Simulation Evaluation Tool. SAE International Journal of Commercial Vehicles, 0, 1, 89-99.	0.4	0