

Jorge Filipe Marto Bandeira

List of Publications by Year in descending order

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47
papers

728
citations

567281

15
h-index

580821

25
g-index

47
all docs

47
docs citations

47
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of land use on urban mobility patterns, emissions and air quality in a Portuguese medium-sized city. <i>Science of the Total Environment</i> , 2011, 409, 1154-1163.	8.0	66
2	Generating Emissions Information for Route Selection: Experimental Monitoring and Routes Characterization. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2013, 17, 3-17.	4.2	52
3	Autonomous vehicles opportunities for cities air quality. <i>Science of the Total Environment</i> , 2020, 712, 136546.	8.0	50
4	Assessment of potential improvements on regional air quality modelling related with implementation of a detailed methodology for traffic emission estimation. <i>Science of the Total Environment</i> , 2014, 470-471, 127-137.	8.0	45
5	Urban scale air quality modelling using detailed traffic emissions estimates. <i>Atmospheric Environment</i> , 2016, 131, 341-351.	4.1	45
6	How to combine different microsimulation tools to assess the environmental impacts of road traffic? Lessons and directions. <i>Transportation Research, Part D: Transport and Environment</i> , 2015, 34, 293-306.	6.8	41
7	Integrating road traffic externalities through a sustainability indicator. <i>Science of the Total Environment</i> , 2019, 691, 483-498.	8.0	38
8	Are internally observable vehicle data good predictors of vehicle emissions?. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 77, 252-270.	6.8	37
9	Assessing the emission impacts of autonomous vehicles on metropolitan freeways. <i>Transportation Research Procedia</i> , 2020, 47, 617-624.	1.5	28
10	Are HOV/eco-lanes a sustainable option to reducing emissions in a medium-sized European city?. <i>Transportation Research, Part A: Policy and Practice</i> , 2014, 63, 93-106.	4.2	25
11	Quantifying road traffic emissions embedded in a multi-objective traffic assignment model. <i>Transportation Research Procedia</i> , 2020, 47, 648-655.	1.5	23
12	Assessing the importance of transportation activity data for urban emission inventories. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 62, 27-35.	6.8	22
13	Emissions Estimation at Multilane Roundabouts. <i>Transportation Research Record</i> , 2013, 2389, 12-21.	1.9	20
14	Influence of different complexity levels of road traffic models on air quality modelling at street scale. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 1217-1232.	3.3	20
15	Driving around turbo-roundabouts vs. conventional roundabouts: Are there advantages regarding pollutant emissions?. <i>International Journal of Sustainable Transportation</i> , 2016, 10, 847-860.	4.1	19
16	Empirical assessment of route choice impact on emissions over different road types, traffic demands, and driving scenarios. <i>International Journal of Sustainable Transportation</i> , 2016, 10, 271-283.	4.1	14
17	Exploring multiple eco-routing guidance strategies in a commuting corridor. <i>International Journal of Sustainable Transportation</i> , 2018, 12, 53-65.	4.1	14
18	Assessing the Importance of Vehicle Type for the Implementation of Eco-routing Systems. <i>Transportation Research Procedia</i> , 2014, 3, 800-809.	1.5	13

#	ARTICLE	IF	CITATIONS
19	Traffic restriction policies in an urban avenue: A methodological overview for a trade-off analysis of traffic and emission impacts using microsimulation. <i>International Journal of Sustainable Transportation</i> , 2016, 10, 201-215.	4.1	13
20	Statistical and semi-dynamical road traffic noise models comparison with field measurements. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	13
21	The Potential of Metering Roundabouts: Influence in Transportation Externalities. <i>Transportation Research Record</i> , 2018, 2672, 21-34.	1.9	13
22	Assessment of Corridors with Different Types of Intersections. <i>Transportation Research Record</i> , 2015, 2503, 39-50.	1.9	12
23	Potential Pollutant Emission Effects of Connected and Automated Vehicles in a Mixed Traffic Flow Context for Different Road Types. <i>IEEE Open Journal of Intelligent Transportation Systems</i> , 2021, 2, 364-383.	4.8	12
24	Advanced Impact Integration Platform for Cooperative Road Use. <i>International Journal of Intelligent Transportation Systems Research</i> , 2018, 16, 1-15.	1.1	11
25	Exploring the impact of ICT on urban mobility in heterogenic regions. <i>Transportation Research Procedia</i> , 2017, 27, 309-316.	1.5	9
26	A Dynamic Link-based Eco-indicator for supporting equitable traffic management strategies. <i>Transportation Research Procedia</i> , 2019, 37, 43-50.	1.5	7
27	A macroscopic approach for assessing the environmental performance of shared, automated, electric mobility in an intercity corridor. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 0, , 1-17.	4.2	7
28	Emissions based tolls “ Impacts on the total emissions of an intercity corridor. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 101, 103093.	6.8	7
29	Interregional European Cooperation platform to promote sustainable transport through ICT. , 2017, , .		6
30	An Eco-Traffic Management Tool. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 41-56.	0.6	5
31	Exploring the Potential of Web Based Information of Business Popularity for Supporting Sustainable Traffic Management. <i>Transport and Telecommunication</i> , 2020, 21, 47-60.	1.0	5
32	Integrated computational methods for traffic emissions route assessment. , 2012, , .		4
33	Exploring crowdsourcing information to predict traffic-related impacts. , 2017, , .		4
34	Assessing traffic-related environmental impacts based on different traffic monitoring applications. <i>Transportation Research Procedia</i> , 2019, 37, 107-114.	1.5	4
35	Introducing new criteria to support cycling navigation and infrastructure planning in flat and hilly cities. <i>Transportation Research Procedia</i> , 2020, 47, 75-82.	1.5	4
36	Development of an information system for cycling navigation. <i>Transportation Research Procedia</i> , 2021, 52, 107-114.	1.5	4

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37	How can the built environment affect the impact of autonomous vehiclesâ€™ operational behaviour on air quality?. <i>Journal of Environmental Management</i> , 2022, 315, 115154.	7.8	4
38	Emissions Impact of Road Traffic Incidents Using Advanced Traveller Information Systems in a Regional Scale. <i>Transportation Research Procedia</i> , 2014, 3, 41-50.	1.5	3
39	Assessment of the effectiveness of fuel and toll pricing policies in motorway emissions: An ex-post analysis. <i>Research in Transportation Economics</i> , 2015, 51, 83-93.	4.1	2
40	Characterization of road traffic externalities in an intercity corridor. <i>International Journal of Transport Development and Integration</i> , 2019, 3, 222-231.	0.9	2
41	Mapping of individual transportation traffic-related externalities in an intercity corridor. <i>Transportation Research Procedia</i> , 2022, 62, 672-679.	1.5	2
42	Impact of Intercity Tolls in Portugal â€“ An Environmental Perspective. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 48, 1174-1183.	0.5	1
43	Assessing the Overtaking Lateral Distance Between Motor Vehicles and Bicycles - Influence on Energy Consumption and Road Safety. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 174-189.	0.6	1
44	ASSESSMENT OF LOCAL AIR QUALITY FOR DIFFERENT PENETRATION LEVELS OF CONNECTED AUTONOMOUS VEHICLES. , 2019, , .		1
45	Impact of road traffic incidents on pollutant emissions. , 2011, , .		0
46	Traffic, emissions and safety impacts of automated vehicles connecting a university and a science park. , 2021, , .		0
47	Emission Impacts of Post-Pandemic Travel Behaviour in Intercity Corridors. <i>Future Transportation</i> , 2022, 2, 249-262.	2.3	0