

# Cecilia C Pasquale

## List of Publications by Year in descending order

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22  
papers

323  
citations

1163117

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1058476

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22  
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docs citations

22  
times ranked

198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-class freeway traffic regulation to reduce congestion and emissions via nonlinear optimal control. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 55, 85-99.	7.6	62
2	A multi-class model-based control scheme for reducing congestion and emissions in freeway networks by combining ramp metering and route guidance. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 80, 384-408.	7.6	55
3	Freeway traffic control: A survey. <i>Automatica</i> , 2021, 130, 109655.	5.0	43
4	An Event-Triggered Receding-Horizon Scheme for Planning Rail Operations in Maritime Terminals. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2014, 15, 365-375.	8.0	31
5	A comparative analysis of solution algorithms for nonlinear freeway traffic control problems. , 2016, , .		18
6	Optimal Control for Reducing Congestion and Improving Safety in Freeway Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 3613-3625.	8.0	17
7	Ramp metering control for two vehicle classes to reduce traffic emissions in freeway systems. , 2014, , .		16
8	Hierarchical Centralized/Decentralized Event-Triggered Control of Multiclass Traffic Networks. <i>IEEE Transactions on Control Systems Technology</i> , 2021, 29, 1549-1564.	5.2	12
9	A New Emission Model Including On-ramps for Two-Class Freeway Traffic Control. , 2015, , .		10
10	Two-class emission traffic control for freeway systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 936-941.	0.4	9
11	Multi-class local ramp metering to reduce traffic emissions in freeway systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 43-48.	0.4	8
12	Congestion and Emissions Reduction in Freeway Traffic Networks via Supervisory Event-triggered Control. <i>IFAC-PapersOnLine</i> , 2017, 50, 4240-4245.	0.9	7
13	A two-class traffic control scheme for reducing congestion and improving safety in freeway systems. , 2016, , .		6
14	A multi-class ramp metering and routing control scheme to reduce congestion and traffic emissions in freeway networks. <i>IFAC-PapersOnLine</i> , 2016, 49, 329-334.	0.9	5
15	A nonlinear optimal control approach to reduce travel times and to improve safety in freeway traffic systems. , 2017, , .		5
16	Supervisory multi-class event-triggered control for congestion and emissions reduction in freeways. , 2017, , .		5
17	A nonlinear optimal control approach for two-class freeway traffic regulation to reduce congestion and emissions. , 2015, , .		4
18	Optimization of time-varying feedback controller parameters for freeway networks. <i>Optimal Control Applications and Methods</i> , 2022, 43, 65-85.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Platoon-actuated variable area mainstream traffic control for bottleneck decongestion. European Journal of Control, 2022, 68, 100687.	2.6	3
20	A multi-class decentralised event-triggered control framework for congestion and emission reduction in freeway networks. IFAC-PapersOnLine, 2018, 51, 291-298.	0.9	2
21	A discrete-time model for optimizing the rail port cycle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 83-88.	0.4	1
22	A receding-horizon planning approach for rail operations in seaport container terminals. , 2013, , .		1