

Michael J Cassidy

List of Publications by Year in descending order

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32
papers

1,943
citations

394286

19
h-index

454834

30
g-index

32
all docs

32
docs citations

32
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	Some traffic features at freeway bottlenecks. <i>Transportation Research Part B: Methodological</i> , 1999, 33, 25-42.	2.8	421
2	Increasing the capacity of an isolated merge by metering its on-ramp. <i>Transportation Research Part B: Methodological</i> , 2005, 39, 896-913.	2.8	276
3	Relation between traffic density and capacity drop at three freeway bottlenecks. <i>Transportation Research Part B: Methodological</i> , 2007, 41, 82-95.	2.8	194
4	Bivariate relations in nearly stationary highway traffic. <i>Transportation Research Part B: Methodological</i> , 1998, 32, 49-59.	2.8	187
5	Increasing the capacity of signalized intersections with separate left turn phases. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 769-781.	2.8	137
6	Strategies for sharing bottleneck capacity among buses and cars. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 1334-1345.	2.8	69
7	Lane changing patterns of bane and benefit: Observations of an uphill expressway. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 656-666.	2.8	64
8	Effects of high occupancy vehicle lanes on freeway congestion. <i>Transportation Research Part B: Methodological</i> , 2008, 42, 861-872.	2.8	59
9	Optimal transit service atop ring-radial and grid street networks: A continuum approximation design method and comparisons. <i>Transportation Research Part B: Methodological</i> , 2015, 81, 755-774.	2.8	58
10	Optimal design of transit networks fed by shared bikes. <i>Transportation Research Part B: Methodological</i> , 2020, 131, 63-83.	2.8	43
11	Study of freeway traffic near an off-ramp. <i>Transportation Research, Part A: Policy and Practice</i> , 2002, 36, 563-572.	2.0	41
12	Some observed details of freeway traffic evolution. <i>Transportation Research, Part A: Policy and Practice</i> , 2001, 35, 881-894.	2.0	36
13	Exploring alternative service schemes for busy transit corridors. <i>Transportation Research Part B: Methodological</i> , 2016, 93, 126-145.	2.8	35
14	A generalized and efficient algorithm for estimating transit route ODs from passenger counts. <i>Transportation Research Part B: Methodological</i> , 2007, 41, 114-125.	2.8	33
15	Effects of Merging and Diverging on Freeway Traffic Oscillations. <i>Transportation Research Record</i> , 2010, 2188, 1-8.	1.0	32
16	City-wide traffic control: Modeling impacts of cordon queues. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 113, 164-175.	3.9	28
17	Freeway On-Ramp Metering, Delay Savings, and Diverge Bottleneck. <i>Transportation Research Record</i> , 2003, 1856, 1-5.	1.0	23
18	A capacity-increasing mechanism in freeway traffic. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 1260-1272.	2.8	22

#	ARTICLE	IF	CITATIONS
19	Some observed queue discharge features at a freeway bottleneck downstream of a merge. Transportation Research, Part A: Policy and Practice, 2002, 36, 683-697.	2.0	21
20	Presignal Used to Increase Bus- and Car-Carrying Capacity at Intersections. Transportation Research Record, 2012, 2315, 191-196.	1.0	21
21	Impacts of Lane Changes at Merge Bottlenecks: A Theory and Strategies to Maximize Capacity. , 2007, , 577-586.		21
22	Spatiotemporal Effects of Segregating Different Vehicle Classes on Separate Lanes. , 2009, , 57-74.		19
23	Test of Theory of Driver Behavior on Homogeneous Freeways. Transportation Research Record, 2004, 1883, 14-20.	1.0	18
24	The smoothing effect of carpool lanes on freeway bottlenecks. Transportation Research, Part A: Policy and Practice, 2010, 44, 65-75.	2.0	17
25	Cordon control with spatially-varying metering rates: A Reinforcement Learning approach. Transportation Research Part C: Emerging Technologies, 2019, 98, 358-369.	3.9	14
26	Region-wide congestion prediction and control using deep learning. Transportation Research Part C: Emerging Technologies, 2020, 116, 102624.	3.9	14
27	Planning skip-stop transit service under heterogeneous demands. Transportation Research Part B: Methodological, 2021, 150, 503-523.	2.8	10
28	Dual influences on vehicle speed in special-use lanes and critique of US regulation. Transportation Research, Part A: Policy and Practice, 2012, 46, 1108-1123.	2.0	9
29	A low-cost alternative for higher capacities at four-way signalized intersections. Transportation Research Part C: Emerging Technologies, 2016, 72, 157-167.	3.9	8
30	Scheduling lane conversions for bus use on city-wide scales and in time-varying congested traffic. Transportation Research Part C: Emerging Technologies, 2018, 95, 248-260.	3.9	7
31	City-wide traffic control: modeling impacts of cordon queues. Transportation Research Procedia, 2019, 38, 284-298.	0.8	4
32	Synergies of combining demand- and supply-side measures to manage congested streets. Transportation Research, Part A: Policy and Practice, 2021, 151, 172-179.	2.0	2