Juan Carlos Munoz

List of Publications by Year
in descending order

104 papers	**2,300** citations	186265 **28** h-index	254184 **43** g-index
105 all docs	**105** docs citations	**105** times ranked	**1310** citing authors

#	Article	IF	Citations
1	Understanding what elements influence a bus driver to use headway regularity tools: case study of Santiago public transit system. Transportmetrica A: Transport Science, 2023, 19, .	2.0	1
2	Public transport reliability across preferences, modes, and space. Transportation, 2022, 49, 621-640.	4.0	11
3	Headway variability in public transport: a review of metrics, determinants, effects for quality of service and control strategies. Transport Reviews, 2022, 42, 337-361.	8.8	10
4	Fare evasion on public transport: Who, when, where and how?. Transportation Research, Part A: Policy and Practice, 2022, 156, 285-295.	4.2	6
5	Estimation and prediction of dynamic matrix travel on a public transport corridor using historical data and real-time information. Public Transport, 2021, 13, 59-80.	2.7	8
6	The impact of fare-free public transport on travel behavior: Evidence from a randomized controlled trial. Regional Science and Urban Economics, 2021, 86, 103616.	2.6	17
7	Public transport accessibility accounting for level of service and competition for urban opportunities: An equity analysis for education in Santiago de Chile. Journal of Transport Geography, 2021, 90, 102919.	5.0	47
8	ACES technologies and public transport operations and control. , 2021, , .		0
9	role of perceived satisfaction and the built environment on the frequency of cycle-commuting. Journal of Transport and Land Use, 2021, 14, .	1.2	13
10	Travel preferences of public transport users under uneven headways. Transportation Research, Part A: Policy and Practice, 2021, 147, 61-75.	4.2	1
11	Route based equilibrium assignment in congested transit networks. Transportation Research Part C: Emerging Technologies, 2021, 127, 103125.	7.6	7
12	The impact of using a naïve approach in the limited-stop bus service design problem. Transportation Research, Part A: Policy and Practice, 2021, 149, 45-61.	4.2	3
13	Factors that affect the evolution of headway variability along an urban bus service. Transportmetrica B, 2021, 9, 479-490.	2.3	5
14	Chile: elect a president to strengthen climate action, not weaken it. Nature, 2021, 600, 386-386.	27.8	0
15	The danger zone of express services: When increasing frequencies can deteriorate the level of service. Transportation Research Part C: Emerging Technologies, 2020, 113, 213-227.	7.6	7
16	On the effect of operational service attributes on transit satisfaction. Transportation, 2020, 47, 2307-2336.	4.0	16
17	A stochastic model for bus injection in an unscheduled public transport service. Transportation Research Part C: Emerging Technologies, 2020, 113, 277-292.	7.6	9
18	Understanding accessibility through public transport users' experiences: A mixed methods approach. Journal of Transport Geography, 2020, 88, 102857.	5.0	32

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19	Technology choices in public transport planning: A classification framework. Research in Transportation Economics, 2020, 83, 100901.	4.1	5
20	Efficient shift scheduling with multiple breaks for full-time employees: A retail industry case. Computers and Industrial Engineering, 2020, 150, 106884.	6.3	17
21	Application of an incentive for bus drivers to achieve an improvement in the quality of service. Research in Transportation Economics, 2020, 83, 100908.	4.1	4
22	An analytical model for controlling disruptions on a metro line. Transportation Research Part C: Emerging Technologies, 2020, 117, 102669.	7.6	2
23	Comparing social costs of public transport networks structured around an Open and Closed BRT corridor in medium sized cities. Transportation Research, Part A: Policy and Practice, 2020, 138, 187-212.	4.2	4
24	A comprehensive perspective of unreliable public transport services' costs. Transportmetrica A: Transport Science, 2020, 16, 734-748.	2.0	14
25	Nutritional and metabolic benefits associated with active and public transport: Results from the Chilean National Health Survey, ENS 2016–2017. Journal of Transport and Health, 2020, 17, 100819.	2.2	14
26	The Displacement of Santiago de Chile's Downtown during 1990–2015: Travel Time Effects on Eradicated Population. Sustainability, 2020, 12, 289.	3.2	15
27	Nurturing neighbourhoods to sustain quality of life in megacities and large city regions: an interdisciplinary reflection on planning for sustainable and socially just cities from Chile. , 2020, , .		0
28	Caracterización de la contribución a los ODS en una universidad de Chile: ampliando la mirada desde la gestión institucional a la investigación. , 2020, 32, 403-426.		2
29	On evasion behaviour in public transport: Dissatisfaction or contagion?. Transportation Research, Part A: Policy and Practice, 2019, 130, 626-651.	4.2	5
30	The danger zone of express services: when increasing frequencies can deteriorate the level of service. Transportation Research Procedia, 2019, 38, 341-358.	1.5	1
31	A stochastic model for bus injection in a public transport service. Transportation Research Procedia, 2019, 38, 688-708.	1.5	4
32	How Uneven is the Urban Mobility Playing Field? Inequalities among Socioeconomic Groups in Santiago De Chile. Transportation Research Record, 2019, 2673, 59-70.	1.9	35
33	The underlying effect of public transport reliability on users' satisfaction. Transportation Research, Part A: Policy and Practice, 2019, 126, 83-93.	4.2	42
34	Understanding public transport satisfaction: Using Maslow's hierarchy of (transit) needs. Transport Policy, 2019, 81, 75-94.	6.6	61
35	Effect of a major network reform on bus transit satisfaction. Transportation Research, Part A: Policy and Practice, 2019, 124, 310-333.	4.2	14
36	Multiskilled workforce management by utilizing closed chains under uncertain demand: A retail industry case. Computers and Industrial Engineering, 2019, 127, 74-88.	6.3	18

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37	Extended Methodology for the Estimation of a Zonal Origin-Destination Matrix: A Planning Software Application Based on Smartcard Trip Data. Transportation Research Record, 2018, 2672, 859-869.	1.9	5
38	Modelling service-specific and global transit satisfaction under travel and user heterogeneity. Transportation Research, Part A: Policy and Practice, 2018, 113, 509-528.	4.2	53
39	The Role of Accessibility to Public Transport and Quality of Walking Environment on Urban Equity: The Case of Santiago de Chile. Transportation Research Record, 2018, 2672, 129-138.	1.9	35
40	Alleviating a subway bottleneck through a platform gate. Transportation Research, Part A: Policy and Practice, 2018, 116, 446-455.	4.2	18
41	A new solution framework for the limited-stop bus service design problem. Transportation Research Part B: Methodological, 2017, 105, 67-85.	5.9	36
42	Real-time recovering strategies on personnel scheduling in the retail industry. Computers and Industrial Engineering, 2017, 113, 589-601.	6.3	31
43	Holding Boarding Passengers to Improve Train Operation on Basis of an Economic Dwell Time Model. Transportation Research Record, 2017, 2648, 96-102.	1.9	10
44	Impact of a Loan-Based Public Transport Fare System on Fare Evasion: Experience of Transantiago, Santiago, Chile. Transportation Research Record, 2016, 2544, 20-27.	1.9	1
45	Increasing the Speed: Case Study from Santiago, Chile. Transportation Research Record, 2016, 2539, 65-71.	1.9	4
46	Real-Time Merging Traffic Control at Congested Freeway Off-Ramp Areas. Transportation Research Record, 2016, 2554, 101-110.	1.9	10
47	A congested and dwell time dependent transit corridor assignment model. Journal of Advanced Transportation, 2016, 50, 1925-1941.	1.7	4
48	How many Urban Recycling Centers do We Need and where? A Continuum Approximation Approach. Transportation Research Procedia, 2016, 12, 851-860.	1.5	4
49	When and where are limited-stop bus services justified?. Transportmetrica A: Transport Science, 2016, 12, 811-831.	2.0	22
50	Valuing crowding in public transport: Implications for cost-benefit analysis. Transportation Research, Part A: Policy and Practice, 2016, 91, 358-378.	4.2	44
51	Decreasing fare evasion without fines? A microeconomic analysis. Research in Transportation Economics, 2016, 59, 151-158.	4.1	22
52	Multiskilling with closed chains in a service industry: A robust optimization approach. International Journal of Production Economics, 2016, 179, 166-178.	8.9	28
53	A mixed integer programming approach to multi-skilled workforce scheduling. Journal of Scheduling, 2016, 19, 91-106.	1.9	25
54	A zonal inference model based on observed smart-card transactions for Santiago de Chile. Transportation Research, Part A: Policy and Practice, 2016, 84, 44-54.	4.2	13

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55	The promise of BRT. , 2016, , 1-14.		1
56	The path toward integrated systems. , 2016, , 31-50.		1
57	User preferences and route choice. , 2016, , 231-246.		1
58	Assessing corridor performance. , 2016, , 299-316.		3
59	BRRT: adding an R for reliability. , 2016, , 317-336.		6
60	Managing drivers and vehicles for cost-effective operations in regulated transit systems. , 2016, , 337-354.		0
61	Designing a BRT-based network under integrated operations. , 2016, , 281-298.		0
62	Quantifying the effects of driver non-compliance and communication system failure in the performance of real-time bus control strategies. Transportation Research, Part A: Policy and Practice, 2015, 78, 463-472.	4.2	10
63	Use of Mixed Stated and Revealed Preference Data for Crowding Valuation on Public Transport in Santiago, Chile. Transportation Research Record, 2015, 2535, 73-78.	1.9	41
64	Integrated Real-Time Transit Signal Priority Control for High-Frequency Segregated Transit Services. Transportation Research Record, 2015, 2533, 28-38.	1.9	12
65	The impact of multi-skilling on personnel scheduling in the service sector: a retail industry case. Journal of the Operational Research Society, 2015, 66, 1949-1959.	3.4	30
66	Trunk and feeder services regulation: Lessons from South American case studies. Case Studies on Transport Policy, 2015, 3, 264-270.	2.5	11
67	Examining regulatory reform for bus operations in Latin America. Urban Geography, 2015, 36, 424-438.	3.0	19
68	Analysis of real-time control strategies in a corridor with multiple bus services. Transportation Research Part B: Methodological, 2015, 78, 83-105.	5.9	71
69	Generation and design heuristics for zonal express services. Transportation Research, Part E: Logistics and Transportation Review, 2015, 79, 201-212.	7.4	29
70	"THE WAR FOR THE FARE" HOW DRIVER COMPENSATION AFFECTS BUS SYSTEM PERFORMANCE. Economic Inquiry, 2015, 53, 1401-1419.	1.8	14
71	A continuous approximation model for locating warehouses and designing physical and timely distribution strategies for home delivery. EURO Journal on Transportation and Logistics, 2015, 4, 399-419.	2.2	14
72	Bus rapid transit and buses with high levels of service: a global overview. , 2015, , .		0

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73	A review of technological improvements in bus rapid transit (BRT) and buses with high level of service (BHLS). Public Transport, 2014, 6, 185-213.	2.7	22
74	An Improved Stirling Approximation for Trip Distribution Models. Networks and Spatial Economics, 2014, 14, 531-548.	1.6	1
75	Transantiago, five years after its launch. Research in Transportation Economics, 2014, 48, 184-193.	4.1	44
76	Workshop 2 Report: Bus Rapid Transit. Research in Transportation Economics, 2014, 48, 116-125.	4.1	7
77	A microeconomic interpretation for the system optimal traffic assignment problem with nonadditive path cost. Transportation Planning and Technology, 2014, 37, 663-677.	2.0	0
78	Assessing salesforce marginal productivity. Applied Economics, 2014, 46, 1465-1475.	2.2	2
79	A behavioural comparison of route choice on metro networks: Time, transfers, crowding, topology and socio-demographics. Transportation Research, Part A: Policy and Practice, 2014, 66, 185-195.	4.2	84
80	Bus Control Strategy Application: Case Study of Santiago Transit System. Procedia Computer Science, 2014, 32, 397-404.	2.0	22
81	Workshop 2: Bus rapid transit as part of enhanced service provision. Research in Transportation Economics, 2013, 39, 104-107.	4.1	17
82	Advanced Systems for Public Transport. Public Transport, 2013, 5, 1-2.	2.7	1
83	A polarized logit model. Transportation Research, Part A: Policy and Practice, 2013, 53, 1-9.	4.2	4
84	Continuous Approximation for Skip-Stop Operation in Rail Transit. Procedia, Social and Behavioral Sciences, 2013, 80, 186-210.	0.5	22
85	Comparison of dynamic control strategies for transit operations. Transportation Research Part C: Emerging Technologies, 2013, 28, 101-113.	7.6	56
86	Aggregate estimation of the price elasticity of demand for public transport in integrated fare systems: The case of Transantiago. Transport Policy, 2013, 29, 178-185.	6.6	28
87	Model for the Optimal Location of Bus Stops and Its Application to a Public Transport Corridor in Santiago, Chile. Transportation Research Record, 2013, 2352, 84-93.	1.9	39
88	How much can holding and/or limiting boarding improve transit performance?. Transportation Research Part B: Methodological, 2012, 46, 1202-1217.	5.9	203
89	Costâ€Effective Measures for Reducing Road Fatalities in the Short Term. Transport Reviews, 2011, 31, 1-24.	8.8	6
90	A topological route choice model for metro. Transportation Research, Part A: Policy and Practice, 2011, 45, 138-147.	4.2	61

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91	Choosing the Right Express Services for Bus Corridor with Capacity Restrictions. Transportation Research Record, 2010, 2197, 63-70.	1.9	30
92	Assignment of work shifts to public transit drivers based on stated preferences. Public Transport, 2010, 2, 199-218.	2.7	2
93	Design of limited-stop services for an urban bus corridor with capacity constraints. Transportation Research Part B: Methodological, 2010, 44, 1186-1201.	5.9	128
94	A multi-unit tender award process: The case of Transantiago. European Journal of Operational Research, 2009, 197, 307-311.	5.7	2
95	An equivalent optimization formulation for the traffic assignment problem with asymmetric linear costs. Transportation Planning and Technology, 2009, 32, 1-25.	2.0	3
96	Real-Time Control of Buses in a Transit Corridor Based on Vehicle Holding and Boarding Limits. Transportation Research Record, 2009, 2090, 59-67.	1.9	126
97	Public Transit Corridor Assignment Assuming Congestion Due to Passenger Boarding and Alighting. Networks and Spatial Economics, 2008, 8, 241-256.	1.6	24
98	Transantiago: A tale of two cities. Research in Transportation Economics, 2008, 22, 45-53.	4.1	78
99	Identifying Transit Driver Preferences for Work Shift Structures: An Econometric Analysis. Transportation Science, 2008, 42, 70-86.	4.4	3
100	On assigning drivers for a home-delivery system on a performance basis. Annals of Operations Research, 2007, 155, 107-117.	4.1	5
101	System optimum dynamic traffic assignment graphical solution method for a congested freeway and one destination. Transportation Research Part B: Methodological, 2006, 40, 1-15.	5.9	39
102	A study of the lot-sizing polytope. Mathematical Programming, 2004, 99, 443-465.	2.4	57
103	Structure of the Transition Zone Behind Freeway Queues. Transportation Science, 2003, 37, 312-329.	4.4	31
104	The bottleneck mechanism of a freeway diverge. Transportation Research, Part A: Policy and Practice, 2002, 36, 483-505.	4.2	75