

Pushkin Kachroo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96 papers	1,321 citations	20 h-index	32 g-index
118 ext. papers	1,596 ext. citations	3.5 avg, IF	4.91 L-index

#	Paper	IF	Citations
96	Sliding mode measurement feedback control for antilock braking systems. <i>IEEE Transactions on Control Systems Technology</i> , 1999 , 7, 271-281	4.8	160
95	Chattering reduction and error convergence in the sliding-mode control of a class of nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 1063-1068	5.9	119
94	The generation of virtual needs: Recipes for satisfaction in social media networking. <i>Journal of Business Research</i> , 2016 , 69, 5248-5254	8.7	54
93	Optimization-Based Feedback Control for Pedestrian Evacuation From an Exit Corridor. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2011 , 12, 1167-1176	6.1	45
92	Feedback Control of Crowd Evacuation in One Dimension. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2010 , 11, 182-193	6.1	34
91	The pursuit of virtual happiness: Exploring the social media experience across generations. <i>Journal of Business Research</i> , 2018 , 89, 455-461	8.7	34
90	Promote me or protect us? The framing of policy for collective good. <i>European Journal of Marketing</i> , 2014 , 48, 742-760	4.4	32
89	System dynamics and feedback control problem formulations for real time dynamic traffic routing. <i>Mathematical and Computer Modelling</i> , 1998 , 27, 27-49		32
88	Feedback Control Theory for Dynamic Traffic Assignment. <i>Advances in Industrial Control</i> , 1999 ,	0.3	32
87	A hybrid model using logistic regression and wavelet transformation to detect traffic incidents. <i>IATSS Research</i> , 2016 , 40, 56-63	4.2	29
86	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 848-858	6.1	28
85	Feedback Ramp Metering in Intelligent Transportation Systems 2003 ,		28
84	A power-responsibility equilibrium framework for fairness: Understanding consumersSimplicit privacy concerns for location-based services. <i>Journal of Business Research</i> , 2017 , 73, 20-29	8.7	27
83	Feedback-Coordinated Ramp Control of Consecutive On-Ramps Using Distributed Modeling and Godunov-Based Satisfiable Allocation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 2384-2392	6.1	27
82	Travel Time Dynamics for Intelligent Transportation Systems: Theory and Applications. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 385-394	6.1	26
81	Understanding the Components of Information Privacy Threats for Location-Based Services. <i>Journal of Information Systems</i> , 2014 , 28, 227-242	1.9	26
80	Existence of solutions to a class of nonlinear convergent chattering-free sliding mode control systems. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 1620-1624	5.9	24

79	Optimal Feedback Flow Rates for Pedestrian Evacuation in a Network of Corridors. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2013 , 14, 1053-1066	6.1	22
78	Estimation of Performance Indices for the Planning of Sustainable Transportation Systems. <i>Advances in Fuzzy Systems</i> , 2013 , 2013, 1-13	1.7	22
77	Dynamic Modeling of Performance Indices for Planning of Sustainable Transportation Systems. <i>Networks and Spatial Economics</i> , 2016 , 16, 371-393	1.9	21
76	Traffic Assignment Using a Density-Based Travel-Time Function for Intelligent Transportation Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 1438-1447	6.1	20
75	H/sub /spl infin// tracking control for a class of nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 1202-1206	5.9	20
74	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 1234-1240	6.1	19
73	Development of control models for the planning of sustainable transportation systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 55, 474-485	8.4	18
72	Solution to the user equilibrium dynamic traffic routing problem using feedback linearization. <i>Transportation Research Part B: Methodological</i> , 1998 , 32, 343-360	7.2	18
71	Exploring loneliness and social networking: Recipes for hedonic well-being on Facebook. <i>Journal of Business Research</i> , 2020 , 115, 258-265	8.7	18
70	A Dynamic Network Modeling-Based Approach for Traffic Observability Problem. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 1168-1178	6.1	17
69	A feedback control approach to maintain consumer information load in online shopping environments. <i>Information and Management</i> , 2011 , 48, 344-352	6.6	17
68	Modeling Route Choice Behavior with Stochastic Learning Automata. <i>Transportation Research Record</i> , 2001 , 1752, 38-46	1.7	17
67	Comprehensive Evaluation of Feedback-Based Freeway Ramp-Metering Strategy by Using Microscopic Simulation: Taking Ramp Queues into Account. <i>Transportation Research Record</i> , 2004 , 1867, 89-96	1.7	16
66	Is having accurate knowledge necessary for implementing safe practices?. <i>European Journal of Marketing</i> , 2016 , 50, 1073-1093	4.4	15
65	Inverse Problem for Non-Viscous Mean Field Control: Example From Traffic. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3412-3421	5.9	13
64	Pedestrian Dynamics 2009 ,		13
63	Robust L2-gain control for nonlinear systems with projection dynamics and input constraints: an example from traffic control. <i>Automatica</i> , 1999 , 35, 429-444	5.7	12
62	Multiscale Modeling and Control Architecture for V2X Enabled Traffic Streams. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 4616-4626	6.8	11

61	Social media networking satisfaction in the US and Vietnam: Content versus connection. <i>Journal of Business Research</i> , 2019 , 101, 93-103	8.7	11
60	Design and Implementation of a Mechatronics Learning Module in a Large First-Semester Engineering Course. <i>IEEE Transactions on Education</i> , 2010 , 53, 445-454	2.1	11
59	Feedback Control Solutions to Network Level User-Equilibrium Real-Time Dynamic Traffic Assignment Problems. <i>Networks and Spatial Economics</i> , 2005 , 5, 243-260	1.9	11
58	Robust Feedback Control of a Single Server Queueing System. <i>Mathematics of Control, Signals, and Systems</i> , 1999 , 12, 307-345	1.3	11
57	AI-Enhanced Audit Inquiry: A Research Note. <i>Journal of Emerging Technologies in Accounting</i> , 2018 , 15, 111-116	1.8	11
56	. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 3560-3568	6.8	10
55	Interpretation of Public Feedback to Transportation Policy:. <i>Transportation Journal</i> , 2014 , 53, 26	0.8	10
54	Evaluation of incident management strategies and technologies using an integrated traffic/incident management simulation. <i>World Review of Intermodal Transportation Research</i> , 2009 , 2, 155	0.5	10
53	Modeling and Estimation of the Vehicle-Miles Traveled Tax Rate Using Stochastic Differential Equations. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 818-828	7.3	9
52	Quality of Traffic Observability on Highways With Lagrangian Sensors. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 761-771	4.9	9
51	Feedback Ramp Metering Using Godunov Method Based Hybrid Model. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2013 , 135,	1.6	9
50	Modeling of Network Level System-Optimal Real-Time Dynamic Traffic Routing Problem Using Nonlinear HBeedback Control Theoretic Approach. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2006 , 10, 159-171	3.2	9
49	Framing the value and valuing the frame? Algorithms for child safety seat use. <i>Journal of Business Research</i> , 2016 , 69, 1503-1509	8.7	8
48	A combinatorial optimization based sample identification method for group comparisons. <i>Journal of Business Research</i> , 2013 , 66, 1267-1271	8.7	8
47	Control of Rotary Cranes Using Fuzzy Logic. <i>Shock and Vibration</i> , 2003 , 10, 81-95	1.1	8
46	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 1907-1917	6.1	7
45	Dynamic Traffic Assignment: A Survey of Mathematical Models and Techniques. <i>Complex Networks and Dynamic Systems</i> , 2013 , 1-25	0.2	7
44	Theory of safety surrogates using vehicle trajectories in macroscopic and microscopic settings: Application to dynamic message signs controlled traffic at work zones. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 91, 62-76	8.4	6

43	The digital self and virtual satisfaction: A cross-cultural perspective. <i>Journal of Business Research</i> , 2021 , 124, 254-263	8.7	6
42	Knowledge Maps and their application to student and faculty assessment 2008 ,		5
41	Fuzzy Feedback Control for Real-Time Dynamic Traffic Routing: User Equilibrium Model Formulations and Controller Design. <i>Transportation Research Record</i> , 1996 , 1556, 137-146	1.7	5
40	Ramp Metering for a Distant Downstream Bottleneck Using Reinforcement Learning with Value Function Approximation. <i>Journal of Advanced Transportation</i> , 2020 , 2020, 1-13	1.9	5
39	Item placement for questionnaire design for optimal reliability. <i>Journal of Marketing Analytics</i> , 2018 , 6, 120-126	3	4
38	Total variation denoising method to improve the detection process in IR images 2017 ,		4
37	Transportation reliability based on information theory 2011 ,		4
36	Application of optimal control theory in marketing: What is the optimal number of choices on a shopping website?. <i>International Journal of Computer Applications in Technology</i> , 2009 , 34, 207	0.7	4
35	Optimal Control of Pedestrian Evacuation in a Corridor 2007 ,		4
34	Application of Stochastic Learning Automata for Modeling Departure Time and Route Choice Behavior. <i>Transportation Research Record</i> , 2002 , 1807, 154-162	1.7	4
33	Integral Action For Chattering Reduction And Error Convergence in Sliding Mode Control 1992 ,		4
32	Feedback Control Theory for Dynamic Traffic Assignment. <i>Advances in Industrial Control</i> , 2018 ,	0.3	4
31	Model-Based Methodology for Validation of Traffic Flow Detectors by Minimizing Human Bias in Video Data Processing. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 1851-1860	6.1	3
30	Analysis of the Godunov-Based Hybrid Model for Ramp Metering and Robust Feedback Control Design. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2014 , 15, 2132-2142	6.1	3
29	Dynamic Modeling of Performance Indices for Planning of Sustainable Transportation Systems 2016 , 16, 371		3
28	Traffic Flow Theory. <i>Advances in Industrial Control</i> , 2018 , 57-87	0.3	3
27	Fuzzy logic programming based knowledge analysis for qualitative comparative analysis. <i>Quality and Quantity</i> , 2017 , 51, 2101-2113	2.4	2
26	Safety Culture from an Interdisciplinary Perspective: Conceptualizing a Hierarchical Feedback-based Transportation Framework. <i>Transportation Journal</i> , 2015 , 54, 516	0.8	2

25	Bayesian Safety Analyzer using multiple data sources of accidents 2011 ,		2
24	Scaled instrumented vehicle system: modelling, control and hardware. <i>International Journal of Vehicle Autonomous Systems</i> , 2004 , 2, 71	0.4	2
23	Controllability and Observability Analysis for Intelligent Transportation Systems. <i>Transportation in Developing Economies</i> , 2019 , 5, 1	1.2	2
22	Traffic Assignment: A Survey of Mathematical Models and Techniques. <i>Advances in Industrial Control</i> , 2018 , 25-53	0.3	2
21	Declining transportation funding and need for analytical solutions: dynamics and control of VMT tax. <i>Journal of Marketing Analytics</i> , 2017 , 5, 131-140	3	1
20	On the Economic Control of Cyber-physical Systems 2017 ,		1
19	Dynamic model development of performance indices for planning of sustainable transportation systems 2012 ,		1
18	Formal Language Modeling and Simulations of Incident Management. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2012 , 13, 1226-1234	6.1	1
17	Feedback ramp metering using Godunov method based hybrid model 2011 ,		1
16	Shape control of a nonlinear smart plate 1997 ,		1
15	Feedback control of macroscopic crowd dynamic models 2008 ,		1
14	Time-Optimal Control for One Dimensional Evacuation System 2007 ,		1
13	Feedback Control for Dynamic Traffic Routing in Lumped Parameter Setting. <i>Advances in Industrial Control</i> , 2018 , 199-228	0.3	1
12	Feedback Routing via Congestion Pricing. <i>Advances in Industrial Control</i> , 2018 , 249-266	0.3	1
11	. <i>IEEE Intelligent Systems</i> , 2020 , 35, 39-49	4.2	0
10	Nighttime seatbelt usage data collection: When and how long?. <i>IATSS Research</i> , 2015 , 38, 149-156	4.2	
9	A conceptual model for feedback control based instruction and evaluation. <i>International Journal of Computer Applications in Technology</i> , 2009 , 34, 199	0.7	
8	Uncertainty propagation in Φ ; related control systems via the Liouville equation. <i>International Journal of Modelling, Identification and Control</i> , 2010 , 9, 392	0.6	

- 7 Feedback Control for Network-Level Dynamic Traffic Routing. *Advances in Industrial Control*, **2018**, 229-247.
- 6 Dynamic Routing Problem in Distributed Parameter Setting Using Semigroup Theory. *Advances in Industrial Control*, **2018**, 155-166
- 5 The Viscosity Solution for Hamilton Jacobi Travel Time Dynamics. *IEEE Transactions on Intelligent Transportation Systems*, **2020**, 21, 4715-4724
- 4 A supervised switching-mode observer of traffic state and parameters and application to adaptive ramp metering. *Transportmetrica A: Transport Science*, 1-29
- 3 Modeling and Problem Formulation. *Advances in Industrial Control*, **2018**, 89-112
- 2 Dynamic Routing Problem in Distributed Parameter Setting. *Advances in Industrial Control*, **2018**, 115-154.
- 1 Fuzzy Feedback Control for Dynamic Routing Problem. *Advances in Industrial Control*, **2018**, 167-197