

Darcy M Bullock

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.

204
papers

2,394
citations

25
h-index

39
g-index

222
ext. papers

2,905
ext. citations

2.2
avg, IF

5.1
L-index

#	Paper	IF	Citations
204	Travel time studies with global positioning and geographic information systems: an integrated methodology. <i>Transportation Research Part C: Emerging Technologies</i> , 1998 , 6, 101-127	8.4	148
203	Input-Output and Hybrid Techniques for Real-Time Prediction of Delay and Maximum Queue Length at Signalized Intersections. <i>Transportation Research Record</i> , 2007 , 2035, 69-80	1.7	98
202	Event-Based Data Collection for Generating Actuated Controller Performance Measures. <i>Transportation Research Record</i> , 2007 , 2035, 97-106	1.7	82
201	Evaluation of Arterial Signal Coordination: Methodologies for Visualizing High-Resolution Event Data and Measuring Travel Time. <i>Transportation Research Record</i> , 2010 , 2192, 37-49	1.7	73
200	Analysis of Freeway Travel Time Variability Using Bluetooth Detection. <i>Journal of Transportation Engineering</i> , 2011 , 137, 697-704		64
199	Real-Time Measurement of Travel Time Delay in Work Zones and Evaluation Metrics Using Bluetooth Probe Tracking. <i>Transportation Research Record</i> , 2010 , 2169, 40-53	1.7	60
198	ACS-Lite Algorithmic Architecture: Applying Adaptive Control System Technology to Closed-Loop Traffic Signal Control Systems. <i>Transportation Research Record</i> , 2003 , 1856, 175-184	1.7	60
197	Hardware-in-the-loop simulation. <i>Transportation Research Part C: Emerging Technologies</i> , 2004 , 12, 73-89	8.4	59
196	Measuring Control Delay at Signalized Intersections. <i>Journal of Transportation Engineering</i> , 1999 , 125, 271-280		54
195	Estimating dilemma zone hazard function at high speed isolated intersection. <i>Transportation Research Part C: Emerging Technologies</i> , 2011 , 19, 400-412	8.4	51
194	Influence of Vertical Sensor Placement on Data Collection Efficiency from Bluetooth MAC Address Collection Devices. <i>Journal of Transportation Engineering</i> , 2010 , 136, 1104-1109		49
193	Estimating Route Choice and Travel Time Reliability with Field Observations of Bluetooth Probe Vehicles. <i>Transportation Research Record</i> , 2011 , 2256, 43-50	1.7	48
192	Impact of Emergency Vehicle Preemption on Signalized Corridor Operation: An Evaluation. <i>Transportation Research Record</i> , 2000 , 1727, 1-11	1.7	45
191	Real-Time Offset Transitioning Algorithm for Coordinating Traffic Signals. <i>Transportation Research Record</i> , 2001 , 1748, 26-39	1.7	44
190	Performance Measures for Traffic Signal Systems: An Outcome-Oriented Approach 2014 ,		44
189	Arterial Performance Measures with Media Access Control Readers: Portland, Oregon, Pilot Study. <i>Transportation Research Record</i> , 2010 , 2192, 185-193	1.7	42
188	Automated Measurement of Wait Times at Airport Security: Deployment at Indianapolis International Airport, Indiana. <i>Transportation Research Record</i> , 2010 , 2177, 60-68	1.7	36

187	Right Turns on Green and Pedestrian Level of Service: Statistical Assessment. <i>Journal of Transportation Engineering</i> , 2009 , 135, 153-159		33
186	Sensing and Signal Processing for Vehicle Reidentification and Travel Time Estimation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2011 , 12, 119-131	6.1	29
185	Recasting Dilemma Zone Design as a Marginal Cost-Benefit Problem. <i>Transportation Research Record</i> , 2007 , 2035, 88-96	1.7	29
184	Data-Driven Algorithms for Real-Time Adaptive Tuning of Offsets in Coordinated Traffic Signal Systems. <i>Transportation Research Record</i> , 2007 , 2035, 1-9	1.7	29
183	A Real-Time Simulation Environment for Evaluating Traffic Signal Systems. <i>Transportation Research Record</i> , 1998 , 1634, 130-135	1.7	29
182	Speed variation during peak and off-peak hours on urban arterials in Shanghai. <i>Transportation Research Part C: Emerging Technologies</i> , 2016 , 67, 84-94	8.4	26
181	Detector-Free Optimization of Traffic Signal Offsets with Connected Vehicle Data. <i>Transportation Research Record</i> , 2017 , 2620, 54-68	1.7	25
180	Computational Efficiency of Alternative Algorithms for Arterial Offset Optimization. <i>Transportation Research Record</i> , 2011 , 2259, 37-47	1.7	25
179	Performance Measures for Adaptive Signal Control: Case Study of System-in-the-Loop Simulation. <i>Transportation Research Record</i> , 2012 , 2311, 1-15	1.7	24
178	Performance Characterization of Arterial Traffic Flow with Probe Vehicle Data. <i>Transportation Research Record</i> , 2013 , 2380, 10-21	1.7	24
177	Quantitative Evaluation of Fully Actuated versus Nonactuated Coordinated Phases. <i>Transportation Research Record</i> , 2008 , 2080, 8-21	1.7	23
176	A Recursive Multiscale Correlation-Averaging Algorithm for an Automated Distributed Road-Condition-Monitoring System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2011 , 12, 795-808	6.1	22
175	A neural network for image-based vehicle detection. <i>Transportation Research Part C: Emerging Technologies</i> , 1993 , 1, 235-247	8.4	22
174	Reliability, Flexibility, and Environmental Impact of Alternative Objective Functions for Arterial Offset Optimization. <i>Transportation Research Record</i> , 2011 , 2259, 8-22	1.7	20
173	Pilot Study on Real-Time Calculation of Arrival Type for Assessment of Arterial Performance. <i>Journal of Transportation Engineering</i> , 2007 , 133, 415-422		19
172	Intensity Thresholding and Deep Learning Based Lane Marking Extraction and Lane Width Estimation from Mobile Light Detection and Ranging (LiDAR) Point Clouds. <i>Remote Sensing</i> , 2020 , 12, 1379	5	18
171	Detector-Free Signal Offset Optimization with Limited Connected Vehicle Market Penetration: Proof-of-Concept Study. <i>Transportation Research Record</i> , 2016 , 2558, 54-65	1.7	18
170	Calibration of Platoon Dispersion Model with High-Resolution Signal Event Data. <i>Transportation Research Record</i> , 2012 , 2311, 16-28	1.7	17

169	Evaluation of Diamond Interchange Signal Controller Settings by Using Hardware-in-the-Loop Simulation. <i>Transportation Research Record</i> , 1999 , 1683, 59-66	1.7	17
168	A hazard-based analysis of airport security transit times. <i>Journal of Air Transport Management</i> , 2013 , 32, 32-38	5.1	16
167	Transition Methods in Traffic Signal Control. <i>Transportation Research Record</i> , 2006 , 1978, 130-140	1.7	16
166	Analysis of feedforward-backpropagation neural networks used in vehicle detection. <i>Transportation Research Part C: Emerging Technologies</i> , 1995 , 3, 161-174	8.4	16
165	Quality Control Procedures for Weigh-in-Motion Data		16
164	Investigation of the Use of Bluetooth Sensors for Travel Time Studies under Indian Conditions. <i>Transportation Research Procedia</i> , 2016 , 17, 213-222	2.4	16
163	Probe VehicleBased Statewide Mobility Performance Measures for Decision Makers. <i>Transportation Research Record</i> , 2013 , 2338, 78-90	1.7	15
162	Visual Education Tools to Illustrate Coordinated System Operation. <i>Transportation Research Record</i> , 2011 , 2259, 59-72	1.7	15
161	Operational Evaluation of Wireless Magnetometer Vehicle Detectors at Signalized Intersection. <i>Transportation Research Record</i> , 2010 , 2192, 11-23	1.7	15
160	Outcome-Oriented Performance Measures for Management of Signalized Arterial Capacity. <i>Transportation Research Record</i> , 2010 , 2192, 24-36	1.7	15
159	Assessing the Impact of Turning Vehicles on Pedestrian Level of Service at Signalized Intersections: A New Perspective. <i>Transportation Research Record</i> , 2007 , 2027, 27-36	1.7	15
158	Development of Transportation Engineering Research, Education, and Practice in a Changing Civil Engineering World. <i>Journal of Transportation Engineering</i> , 2002 , 128, 301-313		15
157	Implementing Actuated Control of Diamond Interchanges. <i>Journal of Transportation Engineering</i> , 2000 , 126, 390-395		15
156	Dynamic Offset Tuning Procedure Using Travel Time Data. <i>Transportation Research Record</i> , 1999 , 1683, 84-94	1.7	15
155	Data-Driven Ranking of Coordinated Traffic Signal Systems for Maintenance and Retiming. <i>Transportation Research Record</i> , 2018 , 2672, 167-178	1.7	14
154	Spatially Referenced Probe Data Performance Measures for Infrastructure Investment Decision Makers. <i>Transportation Research Record</i> , 2014 , 2420, 33-44	1.7	13
153	Graphical Performance Measures for Practitioners to Triage Split Failure Trouble Calls. <i>Transportation Research Record</i> , 2014 , 2439, 27-40	1.7	13
152	Travel Time Information Using Global Positioning System and Dynamic Segmentation Techniques. <i>Transportation Research Record</i> , 1999 , 1660, 48-57	1.7	13

151	. <i>IEEE Transactions on Control Systems Technology</i> , 1994 , 2, 255-264	4.8	13
150	Evaluation of Lane-by-Lane Vehicle Detection for Actuated Controllers Serving Multilane Approaches		13
149	Transition Methods in Traffic Signal Control		13
148	Performance Ranking of Arterial Corridors Using Travel Time and Travel Time Reliability Metrics. <i>Transportation Research Record</i> , 2015 , 2487, 44-54	1.7	12
147	Probe Data Sampling Guidelines for Characterizing Arterial Travel Time. <i>Transportation Research Record</i> , 2012 , 2315, 173-181	1.7	12
146	Evaluation of Spatial and Temporal Speed Limit Compliance in Highway Work Zones. <i>Transportation Research Record</i> , 2011 , 2258, 1-15	1.7	12
145	Three-Dimensional Mapping of Inductive Loop Detector Sensitivity with Field Measurement. <i>Transportation Research Record</i> , 2009 , 2128, 35-47	1.7	12
144	Integration of Real-Time Pedestrian Performance Measures into Existing Infrastructure of Traffic Signal System. <i>Transportation Research Record</i> , 2008 , 2080, 37-47	1.7	12
143	Modeling Traffic Signal Operations with Precedence Graphs. <i>Transportation Research Record</i> , 2007 , 2035, 10-18	1.7	12
142	Evaluation of the Accuracy of Stop Bar Video Vehicle Detection at Signalized Intersections		12
141	A Mobile LiDAR for Monitoring Mechanically Stabilized Earth Walls with Textured Precast Concrete Panels. <i>Remote Sensing</i> , 2020 , 12, 306	5	11
140	Improving Safety and Mobility at High-Speed Intersections with Innovations in Sensor Technology. <i>Transportation Research Record</i> , 2011 , 2259, 253-263	1.7	11
139	Cycle-Length Performance Measures: Revisiting and Extending Fundamentals. <i>Transportation Research Record</i> , 2009 , 2128, 48-57	1.7	10
138	Consistency of Video Detection Activation and Deactivation Times between Day and Night Periods. <i>Journal of Transportation Engineering</i> , 2007 , 133, 505-512		10
137	Real-Time Arterial Traffic Signal Performance Measures		10
136	Shock Wave Boundary Identification Using Cloud-Based Probe Data. <i>Transportation Research Record</i> , 2015 , 2526, 51-60	1.7	9
135	Comparison of Alternative Real-Time Performance Measures for Measuring Signal Phase Utilization and Identifying Oversaturation. <i>Transportation Research Record</i> , 2011 , 2259, 123-131	1.7	9
134	Use of High-Resolution Signal Controller Data to Identify Red Light Running. <i>Transportation Research Record</i> , 2016 , 2558, 41-53	1.7	9

133	Estimating Required Probe Vehicle Re-identification Requirements for Characterizing Link Travel Times. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2014 , 6, 50-58	2.6	8
132	On-Line Measure of Shockwaves for ITS Applications. <i>Journal of Transportation Engineering</i> , 2003 , 129, 1-6		8
131	Evaluation Of Selected Video Detection Systems At Signalized Intersections		8
130	2015 Indiana Mobility Report and Performance Measure Dashboards		8
129	Deriving Operational Traffic Signal Performance Measures from Vehicle Trajectory Data. <i>Transportation Research Record</i> , 036119812110067	1.7	8
128	Application of LiDAR and Connected Vehicle Data to Evaluate the Impact of Work Zone Geometry on Freeway Traffic Operations. <i>Transportation Research Record</i> , 2018 , 2672, 1-13	1.7	8
127	Application of High-Resolution Terrestrial Laser Scanning to Monitor the Performance of Mechanically Stabilized Earth Walls with Precast Concrete Panels. <i>Journal of Performance of Constructed Facilities</i> , 2019 , 33, 04019054	2	7
126	Design Guidelines and Conditions that Warrant Deployment of Fully Actuated Coordination. <i>Transportation Research Record</i> , 2014 , 2439, 1-11	1.7	7
125	Strategic Methods for Modernizing Traffic Signal Maintenance Management and Quantifying the Impact of Maintenance Activities. <i>Journal of Infrastructure Systems</i> , 2017 , 23, 05017004	2.9	7
124	Performance Measures for Optimizing Diverging Interchanges and Outcome Assessment with Drone Video. <i>Transportation Research Record</i> , 2015 , 2487, 31-43	1.7	7
123	Summary of Developments in the Civil Engineering Capstone Course at Purdue University. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2012 , 138, 95-98	0.7	7
122	Implementation of Lane-by-Lane Detection at Actuated Controlled Intersections. <i>Transportation Research Record</i> , 2007 , 2035, 81-87	1.7	7
121	2011 Indiana Interstate Mobility Report Full Version		7
120	Pothole Mapping and Patching Quantity Estimates using LiDAR-Based Mobile Mapping Systems. <i>Transportation Research Record</i> , 2020 , 2674, 124-134	1.7	7
119	Virtual Detection at Intersections using Connected Vehicle Trajectory Data 2016 ,		7
118	Correlating Hard-Braking Activity with Crash Occurrences on Interstate Construction Projects in Indiana. <i>Journal of Big Data Analytics in Transportation</i> , 2021 , 3, 27-41	1.7	7
117	Statistical modelling of runway incursion occurrences in the United States. <i>Journal of Air Transport Management</i> , 2017 , 65, 54-62	5.1	6
116	Estimation of Aircraft Operations at Airports Using Mode-C Signal Strength Information. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 677-686	6.1	6

115	Use of Both Travel Time and Travel Time Reliability Measures to Quantify Benefits of Signal Timing Maintenance and Optimization. <i>Transportation Research Record</i> , 2015 , 2487, 55-68	1.7	6
114	Using GPS to Measure the Impact of Construction Activities on Rural Interstates. <i>Journal of Construction Engineering and Management - ASCE</i> , 2006 , 132, 508-515	4.2	6
113	Evaluation of the Accuracy of Stop Bar Video Vehicle Detection at Signalized Intersections. <i>Transportation Research Record</i> , 2005 , 1925, 134-145	1.7	6
112	A Laboratory Study of Force-Cognitive Excavation 1989 ,		6
111	2012 Indiana Mobility Report: Full Version 2013 ,		6
110	Optimization of Traffic Signal Offsets with High Resolution Event Data. <i>Journal of Transportation Engineering Part A: Systems</i> , 2020 , 146, 04019076	1.5	6
109	Comparative Analysis of Different Mobile LiDAR Mapping Systems for Ditch Line Characterization. <i>Remote Sensing</i> , 2021 , 13, 2485	5	6
108	Assessing Longitudinal Arterial Performance and Traffic Signal Retiming Outcomes. <i>Transportation Research Record</i> , 2016 , 2558, 66-77	1.7	6
107	Application of High-Resolution Trip Trace Stitching to Evaluate Traffic Signal System Changes. <i>Transportation Research Record</i> , 2019 , 2673, 188-201	1.7	5
106	Use of Maximum Vehicle Delay to Characterize Signalized Intersection Performance. <i>Transportation Research Record</i> , 2015 , 2488, 41-52	1.7	5
105	Roundabout Critical Headway Measurement Based on High-Resolution Event-Based Data from Wireless Magnetometers. <i>Transportation Research Record</i> , 2013 , 2389, 51-64	1.7	5
104	Evaluation of Lane-by-Lane Vehicle Detection for Actuated Controllers Serving Multilane Approaches. <i>Transportation Research Record</i> , 2005 , 1925, 123-133	1.7	5
103	Analysis of Arrival Type Estimation Procedures. <i>Transportation Research Record</i> , 2001 , 1776, 123-127	1.7	5
102	Object-Oriented Programming in Robotics Research for Excavation. <i>Journal of Computing in Civil Engineering</i> , 1992 , 6, 370-385	5	5
101	Advanced Software Design and Standards for Traffic Signal Control. <i>Journal of Transportation Engineering</i> , 1992 , 118, 430-438		5
100	Evaluation of Flow-Based Traffic Signal Control Using Advanced Detection Concepts		5
99	Limitations of Simultaneous Gap-Out Logic		5
98	Characterizing Interstate Crash Rates Based on Traffic Congestion Using Probe Vehicle Data		5

97	Leveraging Aircraft Avionics for Fleet and Airport Management. <i>Transportation Research Record</i> , 2016 , 2569, 32-41	1.7	5
96	Variable Speed Limit Study Upstream of an Indiana Work Zone with Vehicle Matching. <i>Transportation Research Record</i> , 2016 , 2555, 53-64	1.7	4
95	Evaluating the Accuracy of Mobile LiDAR for Mapping Airfield Infrastructure. <i>Transportation Research Record</i> , 2019 , 2673, 117-124	1.7	4
94	High-Resolution Event-Based Data at Diamond Interchanges: Performance Measures and Optimization of Ring Displacement. <i>Transportation Research Record</i> , 2014 , 2439, 12-26	1.7	4
93	Accuracy Assessment of Aircraft Transponder-Based Devices for Measuring Airport Operations. <i>Transportation Research Record</i> , 2017 , 2626, 9-17	1.7	4
92	Detecting Differential Drift in Weigh-in-Motion Wheel Track Sensors. <i>Transportation Research Record</i> , 2009 , 2121, 135-144	1.7	4
91	A signal processing framework for vehicle re-identification and travel time estimation 2009 ,		4
90	Track Clearance Performance Measures for Railroad-Preempted Intersections. <i>Transportation Research Record</i> , 2010 , 2192, 64-76	1.7	4
89	Performance Measures for Railroad-Preempted Intersections. <i>Transportation Research Record</i> , 2009 , 2128, 20-34	1.7	4
88	Design Considerations for Detecting Bicycles with Inductive Loop Detectors. <i>Transportation Research Record</i> , 2006 , 1978, 1-7	1.7	4
87	Resonant Cycles in Traffic Signal Control. <i>Transportation Research Record</i> , 2005 , 1925, 215-226	1.7	4
86	Design Considerations for Detecting Bicycles with Inductive Loop Detectors		4
85	Performance Metrics for Freeway Sensor		4
84	A Proactive Approach to Evaluating Intersection Safety Using Hard-Braking Data. <i>Journal of Big Data Analytics in Transportation</i> , 2021 , 3, 81-94	1.7	4
83	2016 ,		4
82	Cycle-Length Strategies for a Diverging Diamond Interchange in a Coordinated Arterial. <i>Journal of Transportation Engineering</i> , 2016 , 142, 04016067		4
81	Public Safety Implementation of Unmanned Aerial Systems for Photogrammetric Mapping of Crash Scenes. <i>Transportation Research Record</i> , 2019 , 2673, 567-574	1.7	3
80	Technology Assessment to Improve Operations Counts at Non-Towered Airports. <i>Transportation Research Record</i> , 2019 , 2673, 44-50	1.7	3

79	Leveraging Connected Vehicles to Provide Enhanced Roadway Condition Information. <i>Journal of Transportation Engineering Part A: Systems</i> , 2020 , 146, 04020073	1.5	3
78	Outcome Assessment of Peer-to-Peer Adaptive Control Adjacent to a National Park. <i>Transportation Research Record</i> , 2017 , 2620, 43-53	1.7	3
77	Scalable Dashboard for Identifying Split Failures and Heuristic for Reallocating Split Times. <i>Transportation Research Record</i> , 2017 , 2620, 83-95	1.7	3
76	Implementation of a real-time data driven system to provide queue alerts to stakeholders 2017 ,		3
75	Kullback-Leibler comparison framework for the evaluation of travel time distribution estimates 2012 ,		3
74	Longitudinal Performance Measures for Assessing Agencywide Signal Management Objectives. <i>Transportation Research Record</i> , 2013 , 2355, 20-30	1.7	3
73	Non-linear compensation of vehicle signatures captured from electromagnetic sensors with application to vehicle re-identification 2010 ,		3
72	Recommended Tolerances for Magnetometer Orientation and Field Calibration Procedure. <i>Transportation Research Record</i> , 2009 , 2128, 66-75	1.7	3
71	Maximum-likelihood speed estimation using vehicle-induced magnetic signatures 2009 ,		3
70	Multimedia Data Model for Video-Detection Research. <i>Journal of Transportation Engineering</i> , 1995 , 121, 385-390		3
69	Architecture of a Congestion Management System for Controlled-Access Facilities. <i>Transportation Research Record</i> , 1996 , 1551, 105-113	1.7	3
68	Geographic Database for Traffic Operations Data. <i>Journal of Transportation Engineering</i> , 1996 , 122, 226-234		3
67	Resonant Cycles in Traffic Signal Control		3
66	2013-2014 Indiana Mobility Report: Full Version		3
65	Indiana Traffic Signal Hi Resolution Data Logger Enumerations		3
64	Using Crowdsourced Vehicle Braking Data to Identify Roadway Hazards		3
63	Longitudinal Performance Assessment of Traffic Signal System Impacted by Long-Term Interstate Construction Diversion Using Connected Vehicle Data. <i>Journal of Transportation Technologies</i> , 2021 , 11, 644-659	0.8	3
62	Detection of Conflicts Between ADS-B-Equipped Aircraft and Unmanned Aerial Systems. <i>Transportation Research Record</i> , 2020 , 2674, 197-204	1.7	2

61	Evolution of Data Creation, Management, Publication, and Curation in the Research Process. <i>Transportation Research Record</i> , 2014 , 2414, 9-19	1.7	2
60	Visualizations of Travel Time Performance Based on Vehicle Reidentification Data. <i>Transportation Research Record</i> , 2017 , 2646, 84-92	1.7	2
59	Investigation of Self-Organizing Traffic Signal Control with Graphical Signal Performance Measures. <i>Transportation Research Record</i> , 2017 , 2620, 69-82	1.7	2
58	Assessment of Speed Limit Locations Using Crowdsourced Probe Vehicle Data. <i>Transportation Research Record</i> , 2015 , 2484, 10-22	1.7	2
57	Engaging New Partners in Transportation Research: Integrating the Publishing, Archiving, and Indexing of Technical Literature into the Research Process. <i>Transportation Research Record</i> , 2012 , 2291, 111-123	1.7	2
56	Evaluation of Thermal Image Video Sensors for Stop Bar Detection at Signalized Intersections. <i>Transportation Research Record</i> , 2012 , 2308, 184-198	1.7	2
55	Revisiting the Cycle Length: Lost Time Question with Critical Lane Analysis. <i>Transportation Research Record</i> , 2013 , 2355, 1-9	1.7	2
54	Crosstalk Detection in Signalized-Intersection Loop Detectors. <i>Transportation Research Record</i> , 2010 , 2192, 50-63	1.7	2
53	Acceleration Estimation and Signature Matching Travel Time Estimation Enhancement for Standard Electromagnetic Vehicle Detectors. <i>Transportation Research Record</i> , 2011 , 2243, 27-37	1.7	2
52	Automatic Speed Calibration Methodology for Traffic Monitoring Sites. <i>Journal of Transportation Engineering</i> , 2006 , 132, 30-39		2
51	Limitations of Simultaneous Gap-Out Logic. <i>Transportation Research Record</i> , 2006 , 1978, 42-48	1.7	2
50	Estimating Intersection Control Delay Using Large Data Sets of Travel Time from a Global Positioning System. <i>Transportation Research Record</i> , 2005 , 1917, 18-27	1.7	2
49	Deployment of Fiber-Optic Lane Use Indication Signs Using a Distributed Control Architecture. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 1999 , 14, 231-238	8.4	2
48	Processing Strategy and Comparative Performance of Different Mobile LiDAR System Grades for Bridge Monitoring: A Case Study. <i>Sensors</i> , 2021 , 21,	3.8	2
47	Image-Aided LiDAR Mapping Platform and Data Processing Strategy for Stockpile Volume Estimation. <i>Remote Sensing</i> , 2022 , 14, 231	5	2
46	Proposed Concept for Specifying Vehicle Detection Performance. <i>Transportation Research Record</i> , 2009 , 2128, 161-172	1.7	2
45	Evaluation of Stop Bar Video Detection Accuracy at Signalized Intersections		2
44	Rumble Stripes and Pavement Marking Delineation		2

43	Mobile LiDAR for Scalable Monitoring of Mechanically Stabilized Earth Walls with Smooth Panels. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4480	2.6	2
42	Pavement Distress and Debris Detection using a Mobile Mapping System with 2D Profiler LiDAR. <i>Transportation Research Record</i> , 036119812110025	1.7	2
41	Transfer Learning for LiDAR-Based Lane Marking Detection and Intensity Profile Generation. <i>Geomatics</i> , 2021 , 1, 287-309		2
40	Impact of Weather on Shared Electric Scooter Utilization 2019 ,		2
39	Diverging Diamond Interchange Performance Measures Using Connected Vehicle Data. <i>Journal of Transportation Technologies</i> , 2021 , 11, 628-643	0.8	2
38	Prioritizing Roadway Pavement Marking Maintenance Using Lane Keep Assist Sensor Data. <i>Sensors</i> , 2021 , 21,	3.8	2
37	Evaluation of the Impact of Presence Lighting and Digital Speed Limit Trailers on Interstate Speeds in Indiana Work Zones. <i>Journal of Transportation Technologies</i> , 2021 , 11, 157-167	0.8	2
36	Mapping of bus travel time to traffic stream travel time using econometric modeling. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020 , 1-17	3.2	1
35	Sequence Optimization at Signalized Diamond Interchanges Using High-Resolution Event-Based Data. <i>Transportation Research Record</i> , 2015 , 2487, 15-30	1.7	1
34	Opportunities for Enhancing Construction Education and Student Internships with Multimedia Tools. <i>Transportation Research Record</i> , 2015 , 2480, 20-29	1.7	1
33	Integrating Outcome Oriented Performance Measures into Traffic Signal Operations Business Processes 2015 ,		1
32	Integrating Adaptive and Traffic Responsive Algorithms. <i>Procedia, Social and Behavioral Sciences</i> , 2012 , 48, 3451-3460		1
31	Defining Design Space for Parameters of Traffic Signal Timing: Empirical Approach. <i>Transportation Research Record</i> , 2012 , 2311, 85-98	1.7	1
30	Leveraging Probe Data to Assess Security Checkpoint Wait Times. <i>Transportation Research Record</i> , 2013 , 2325, 63-75	1.7	1
29	Analysis of Peer Data on Intersections for Decisions about Coordination of Arterial Traffic Signal. <i>Transportation Research Record</i> , 2011 , 2259, 23-36	1.7	1
28	Probe vehicle data for characterizing road conditions associated with inclement weather to improve road maintenance decisions 2012 ,		1
27	A recursive multi-scale correlation-averaging algorithm for synchronization and fusion of independent pavement roughness measurements 2009 ,		1
26	Innovative application of directional boring procedures for replacing failed inductive loop detectors. <i>Automation in Construction</i> , 1998 , 8, 143-148	9.6	1

25	Detection of Inclement Weather Conditions at a Signalized Intersection using a Video Image Processing Algorithm 2006 ,		1
24	Evaluation of Flow-Based Traffic Signal Control Using Advanced Detection Concepts. <i>Transportation Research Record</i> , 2006 , 1978, 25-33	1.7	1
23	Comparison of Observed Retroreflectivity Values with Proposed FHWA Minimums. <i>Transportation Research Record</i> , 2002 , 1794, 29-37	1.7	1
22	Implementation Vision for Distributed Control of Traffic Signal Subsystems. <i>Transportation Research Record</i> , 1996 , 1554, 43-47	1.7	1
21	Agile Work Zone Management Based on Connected Vehicle Data 2021 ,		1
20	Using Connected Vehicle Data to Evaluate Traffic Signal Performance and Driver Behavior after Changing Left-turns Phasing 2021 ,		1
19	Methodology for Applying Connected Vehicle Data to Evaluate Impact of Interstate Construction Work Zone Diversions 2021 ,		1
18	Corridor Level Mobility Analysis Using GPS Data. <i>International Journal of Intelligent Transportation Systems Research</i> , 2020 , 18, 204-218	1.4	1
17	Estimation of Connected Vehicle Penetration on US Roads in Indiana, Ohio, and Pennsylvania. <i>Journal of Transportation Technologies</i> , 2021 , 11, 597-610	0.8	1
16	Evaluation of the Impact of Queue Trucks with Navigation Alerts Using Connected Vehicle Data. <i>Journal of Transportation Technologies</i> , 2021 , 11, 561-576	0.8	1
15	Leveraging Telematics for Winter Operations Performance Measures and Tactical Adjustment. <i>Journal of Transportation Technologies</i> , 2021 , 11, 611-627	0.8	1
14	Using Anonymous Connected Vehicle Data to Evaluate Impact of Speed Feedback Displays, Speed Limit Signs and Roadway Features on Interstate Work Zones Speeds. <i>Journal of Transportation Technologies</i> , 2021 , 11, 545-560	0.8	1
13	Methodology for Monitoring Work Zones Traffic Operations Using Connected Vehicle Data. <i>Safety</i> , 2022 , 8, 41	1.7	1
12	Maximum-Likelihood Acceleration Estimation From Existing Roadway Vehicle Detectors. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2012 , 13, 759-769	6.1	0
11	Roundabout Performance Analysis Using Connected Vehicle Data. <i>Journal of Transportation Technologies</i> , 2022 , 12, 42-58	0.8	0
10	Leveraging LiDAR Intensity to Evaluate Roadway Pavement Markings. <i>Future Transportation</i> , 2021 , 1, 720-736		0
9	Analysis of Electric and Hybrid Vehicle Usage in Proximity to Charging Infrastructure in Indiana. <i>Journal of Transportation Technologies</i> , 2021 , 11, 577-596	0.8	0
8	Using Stochastic Variation of Cyclic Green Distributions to Populate SAE J2735 Message Confidence Values along a Signalized Corridor. <i>Transportation Research Record</i> , 2020 , 2674, 426-437	1.7	

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