Darcy M Bullock

List of Publications by Year
in descending order

206 papers	**3,481** citations	201385 **27** h-index	233125 **45** g-index
222 all docs	**222** docs citations	**222** times ranked	**1567** citing authors

#	Article	IF	Citations
1	Travel time studies with global positioning and geographic information systems: an integrated methodology. Transportation Research Part C: Emerging Technologies, 1998, 6, 101-127.	3.9	198
2	Input–Output and Hybrid Techniques for Real-Time Prediction of Delay and Maximum Queue Length at Signalized Intersections. Transportation Research Record, 2007, 2035, 69-80.	1.0	127
3	Event-Based Data Collection for Generating Actuated Controller Performance Measures. Transportation Research Record, 2007, 2035, 97-106.	1.0	106
4	Evaluation of Arterial Signal Coordination. Transportation Research Record, 2010, 2192, 37-49.	1.0	97
5	ACS-Lite Algorithmic Architecture: Applying Adaptive Control System Technology to Closed-Loop Traffic Signal Control Systems. Transportation Research Record, 2003, 1856, 175-184.	1.0	90
6	Analysis of Freeway Travel Time Variability Using Bluetooth Detection. Journal of Transportation Engineering, 2011, 137, 697-704.	0.9	89
7	Hardware-in-the-loop simulation. Transportation Research Part C: Emerging Technologies, 2004, 12, 73-89.	3.9	80
8	Real-Time Measurement of Travel Time Delay in Work Zones and Evaluation Metrics Using Bluetooth Probe Tracking. Transportation Research Record, 2010, 2169, 40-53.	1.0	72
9	Measuring Control Delay at Signalized Intersections. Journal of Transportation Engineering, 1999, 125, 271-280.	0.9	69
10	Estimating dilemma zone hazard function at high speed isolated intersection. Transportation Research Part C: Emerging Technologies, 2011, 19, 400-412.	3.9	66
11	Impact of Emergency Vehicle Preemption on Signalized Corridor Operation: An Evaluation. Transportation Research Record, 2000, 1727, 1-11.	1.0	64
12	Real-Time Offset Transitioning Algorithm for Coordinating Traffic Signals. Transportation Research Record, 2001, 1748, 26-39.	1.0	62
13	Influence of Vertical Sensor Placement on Data Collection Efficiency from Bluetooth MAC Address Collection Devices. Journal of Transportation Engineering, 2010, 136, 1104-1109.	0.9	60
14	Estimating Route Choice and Travel Time Reliability with Field Observations of Bluetooth Probe Vehicles. Transportation Research Record, 2011, 2256, 43-50.	1.0	57
15	Arterial Performance Measures with Media Access Control Readers. Transportation Research Record, 2010, 2192, 185-193.	1.0	48
16	Detector-Free Optimization of Traffic Signal Offsets with Connected Vehicle Data. Transportation Research Record, 2017, 2620, 54-68.	1.0	45
17	Automated Measurement of Wait Times at Airport Security. Transportation Research Record, 2010, 2177, 60-68.	1.0	43
18	A Real-Time Simulation Environment for Evaluating Traffic Signal Systems. Transportation Research Record, 1998, 1634, 130-135.	1.0	41

#	Article	IF	Citations
19	Data-Driven Algorithms for Real-Time Adaptive Tuning of Offsets in Coordinated Traffic Signal Systems. Transportation Research Record, 2007, 2035, 1-9.	1.0	41
20	Right Turns on Green and Pedestrian Level of Service: Statistical Assessment. Journal of Transportation Engineering, 2009, 135, 153-159.	0.9	38
21	Computational Efficiency of Alternative Algorithms for Arterial Offset Optimization. Transportation Research Record, 2011, 2259, 37-47.	1.0	37
22	Speed variation during peak and off-peak hours on urban arterials in Shanghai. Transportation Research Part C: Emerging Technologies, 2016, 67, 84-94.	3.9	37
23	Recasting Dilemma Zone Design as a Marginal Cost–Benefit Problem. Transportation Research Record, 2007, 2035, 88-96.	1.0	36
24	Sensing and Signal Processing for Vehicle Reidentification and Travel Time Estimation. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 119-131.	4.7	36
25	Intensity Thresholding and Deep Learning Based Lane Marking Extraction and Lane Width Estimation from Mobile Light Detection and Ranging (LiDAR) Point Clouds. Remote Sensing, 2020, 12, 1379.	1.8	34
26	A neural network for image-based vehicle detection. Transportation Research Part C: Emerging Technologies, 1993, 1, 235-247.	3.9	29
27	Performance Characterization of Arterial Traffic Flow with Probe Vehicle Data. Transportation Research Record, 2013, 2380, 10-21.	1.0	29
28	Quantitative Evaluation of Fully Actuated versus Nonactuated Coordinated Phases. Transportation Research Record, 2008, 2080, 8-21.	1.0	28
29	Detector-Free Signal Offset Optimization with Limited Connected Vehicle Market Penetration: Proof-of-Concept Study. Transportation Research Record, 2016, 2558, 54-65.	1.0	28
30	Correlating Hard-Braking Activity with Crash Occurrences on Interstate Construction Projects in Indiana. Journal of Big Data Analytics in Transportation, 2021, 3, 27-41.	1.4	27
31	Performance Measures for Adaptive Signal Control: Case Study of System-in-the-Loop Simulation. Transportation Research Record, 2012, 2311, 1-15.	1.0	26
32	Pothole Mapping and Patching Quantity Estimates using LiDAR-Based Mobile Mapping Systems. Transportation Research Record, 2020, 2674, 124-134.	1.0	26
33	Deriving Operational Traffic Signal Performance Measures from Vehicle Trajectory Data. Transportation Research Record, 2021, 2675, 1250-1264.	1.0	26
34	A Recursive Multiscale Correlation-Averaging Algorithm for an Automated Distributed Road-Condition-Monitoring System. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 795-808.	4.7	25
35	Reliability, Flexibility, and Environmental Impact of Alternative Objective Functions for Arterial Offset Optimization. Transportation Research Record, 2011, 2259, 8-22.	1.0	25
36	Calibration of Platoon Dispersion Model with High-Resolution Signal Event Data. Transportation Research Record, 2012, 2311, 16-28.	1.0	25

#	Article	IF	Citations
37	Investigation of the Use of Bluetooth Sensors for Travel Time Studies under Indian Conditions. Transportation Research Procedia, 2016, 17, 213-222.	0.8	25
38	A Proactive Approach to Evaluating Intersection Safety Using Hard-Braking Data. Journal of Big Data Analytics in Transportation, 2021, 3, 81-94.	1.4	25
39	Graphical Performance Measures for Practitioners to Triage Split Failure Trouble Calls. Transportation Research Record, 2014, 2439, 27-40.	1.0	24
40	Pilot Study on Real-Time Calculation of Arrival Type for Assessment of Arterial Performance. Journal of Transportation Engineering, 2007, 133, 415-422.	0.9	23
41	Probe Vehicleâ€"Based Statewide Mobility Performance Measures for Decision Makers. Transportation Research Record, 2013, 2338, 78-90.	1.0	23
42	Impact of Weather on Shared Electric Scooter Utilization. , 2019, , .		23
43	Dynamic Offset Tuning Procedure Using Travel Time Data. Transportation Research Record, 1999, 1683, 84-94.	1.0	22
44	Development of Transportation Engineering Research, Education, and Practice in a Changing Civil Engineering World. Journal of Transportation Engineering, 2002, 128, 301-313.	0.9	22
45	A hazard-based analysis of airport security transit times. Journal of Air Transport Management, 2013, 32, 32-38.	2.4	22
46	Data-Driven Ranking of Coordinated Traffic Signal Systems for Maintenance and Retiming. Transportation Research Record, 2018, 2672, 167-178.	1.0	22
47	Operational Evaluation of Wireless Magnetometer Vehicle Detectors at Signalized Intersection. Transportation Research Record, 2010, 2192, 11-23.	1.0	20
48	Evaluation of Spatial and Temporal Speed Limit Compliance in Highway Work Zones. Transportation Research Record, 2011, 2258, 1-15.	1.0	20
49	Performance Ranking of Arterial Corridors Using Travel Time and Travel Time Reliability Metrics. Transportation Research Record, 2015, 2487, 44-54.	1.0	20
50	Evaluation of Diamond Interchange Signal Controller Settings by Using Hardware-in-the-Loop Simulation. Transportation Research Record, 1999, 1683, 59-66.	1.0	19
51	Travel Time Information Using Global Positioning System and Dynamic Segmentation Techniques. Transportation Research Record, 1999, 1660, 48-57.	1.0	19
52	Spatially Referenced Probe Data Performance Measures for Infrastructure Investment Decision Makers. Transportation Research Record, 2014, 2420, 33-44.	1.0	19
53	Analysis of feedforward-backpropagation neural networks used in vehicle detection. Transportation Research Part C: Emerging Technologies, 1995, 3, 161-174.	3.9	18
54	Implementing Actuated Control of Diamond Interchanges. Journal of Transportation Engineering, 2000, 126, 390-395.	0.9	18

#	Article	IF	Citations
55	Transition Methods in Traffic Signal Control. Transportation Research Record, 2006, 1978, 130-140.	1.0	18
56	Assessing the Impact of Turning Vehicles on Pedestrian Level of Service at Signalized Intersections. Transportation Research Record, 2007, 2027, 27-36.	1.0	18
57	Outcome-Oriented Performance Measures for Management of Signalized Arterial Capacity. Transportation Research Record, 2010, 2192, 24-36.	1.0	18
58	Visual Education Tools to Illustrate Coordinated System Operation. Transportation Research Record, 2011, 2259, 59-72.	1.0	18
59	A Mobile LiDAR for Monitoring Mechanically Stabilized Earth Walls with Textured Precast Concrete Panels. Remote Sensing, 2020, 12, 306.	1.8	17
60	Evaluation of Lane-by-Lane Vehicle Detection for Actuated Controllers Serving Multilane Approaches. , 0, .		17
61	Comparative Analysis of Different Mobile LiDAR Mapping Systems for Ditch Line Characterization. Remote Sensing, 2021, 13, 2485.	1.8	16
62	Evaluation of the Accuracy of Stop Bar Video Vehicle Detection at Signalized Intersections. , 0, .		16
63	Transition Methods in Traffic Signal Control. , 0, .		16
64	Integration of Real-Time Pedestrian Performance Measures into Existing Infrastructure of Traffic Signal System. Transportation Research Record, 2008, 2080, 37-47.	1.0	15
65	Comparison of Alternative Real-Time Performance Measures for Measuring Signal Phase Utilization and Identifying Oversaturation. Transportation Research Record, 2011, 2259, 123-131.	1.0	15
66	Improving Safety and Mobility at High-Speed Intersections with Innovations in Sensor Technology. Transportation Research Record, 2011, 2259, 253-263.	1.0	15
67	Shock Wave Boundary Identification Using Cloud-Based Probe Data. Transportation Research Record, 2015, 2526, 51-60.	1.0	15
68	Roadway traffic control software. IEEE Transactions on Control Systems Technology, 1994, 2, 255-264.	3.2	14
69	Virtual Detection at Intersections using Connected Vehicle Trajectory Data. , 2016, , .		14
70	Consistency of Video Detection Activation and Deactivation Times between Day and Night Periods. Journal of Transportation Engineering, 2007, 133, 505-512.	0.9	13
71	Three-Dimensional Mapping of Inductive Loop Detector Sensitivity with Field Measurement. Transportation Research Record, 2009, 2128, 35-47.	1.0	13
72	Cycle-Length Performance Measures. Transportation Research Record, 2009, 2128, 48-57.	1.0	13

#	Article	IF	Citations
73	A Laboratory Study of Force-Cognitive Excavation. , 1989, , .		13
74	Modeling Traffic Signal Operations with Precedence Graphs. Transportation Research Record, 2007, 2035, 10-18.	1.0	12
75	Probe Data Sampling Guidelines for Characterizing Arterial Travel Time. Transportation Research Record, 2012, 2315, 173-181.	1.0	12
76	Prioritizing Roadway Pavement Marking Maintenance Using Lane Keep Assist Sensor Data. Sensors, 2021, 21, 6014.	2.1	12
77	Summary of Developments in the Civil Engineering Capstone Course at Purdue University. Journal of Professional Issues in Engineering Education and Practice, 2012, 138, 95-98.	0.9	11
78	Performance Measures for Optimizing Diverging Interchanges and Outcome Assessment with Drone Video. Transportation Research Record, 2015, 2487, 31-43.	1.0	11
79	Optimization of Traffic Signal Offsets with High Resolution Event Data. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	11
80	Longitudinal Performance Assessment of Traffic Signal System Impacted by Long-Term Interstate Construction Diversion Using Connected Vehicle Data. Journal of Transportation Technologies, 2021, 11, 644-659.	0.2	11
81	Methodology for Monitoring Work Zones Traffic Operations Using Connected Vehicle Data. Safety, 2022, 8, 41.	0.9	11
82	Design Guidelines and Conditions that Warrant Deployment of Fully Actuated Coordination. Transportation Research Record, 2014, 2439, 1-11.	1.0	10
83	Use of High-Resolution Signal Controller Data to Identify Red Light Running. Transportation Research Record, 2016, 2558, 41-53.	1.0	10
84	Variable Speed Limit Study Upstream of an Indiana Work Zone with Vehicle Matching. Transportation Research Record, 2016, 2555, 53-64.	1.0	10
85	Application of LiDAR and Connected Vehicle Data to Evaluate the Impact of Work Zone Geometry on Freeway Traffic Operations. Transportation Research Record, 2018, 2672, 1-13.	1.0	10
86	Application of High-Resolution Terrestrial Laser Scanning to Monitor the Performance of Mechanically Stabilized Earth Walls with Precast Concrete Panels. Journal of Performance of Constructed Facilities, 2019, 33, .	1.0	10
87	Pavement Distress and Debris Detection using a Mobile Mapping System with 2D Profiler LiDAR. Transportation Research Record, 2021, 2675, 428-438.	1.0	10
88	Image-Aided LiDAR Mapping Platform and Data Processing Strategy for Stockpile Volume Estimation. Remote Sensing, 2022, 14, 231.	1.8	10
89	On-Line Measure of Shockwaves for ITS Applications. Journal of Transportation Engineering, 2003, 129, 1-6.	0.9	9
90	Estimating Required Probe Vehicle Re-identification Requirements for Characterizing Link Travel Times. IEEE Intelligent Transportation Systems Magazine, 2014, 6, 50-58.	2.6	9

#	Article	IF	Citations
91	Estimation of aircraft operations at airports using nontraditional statistical approaches. , 2016, , .		9
92	Strategic Methods for Modernizing Traffic Signal Maintenance Management and Quantifying the Impact of Maintenance Activities. Journal of Infrastructure Systems, 2017, 23, .	1.0	9
93	Scalable Dashboard for Identifying Split Failures and Heuristic for Reallocating Split Times. Transportation Research Record, 2017, 2620, 83-95.	1.0	9
94	Estimation of Aircraft Operations at Airports Using Mode-C Signal Strength Information. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 677-686.	4.7	9
95	Estimation of Connected Vehicle Penetration on US Roads in Indiana, Ohio, and Pennsylvania. Journal of Transportation Technologies, 2021, 11, 597-610.	0.2	9
96	Objectâ€Oriented Programming in Robotics Research for Excavation. Journal of Computing in Civil Engineering, 1992, 6, 370-385.	2.5	8
97	Implementation of Lane-by-Lane Detection at Actuated Controlled Intersections. Transportation Research Record, 2007, 2035, 81-87.	1.0	8
98	Assessing Longitudinal Arterial Performance and Traffic Signal Retiming Outcomes. Transportation Research Record, 2016, 2558, 66-77.	1.0	8
99	Accuracy Assessment of Aircraft Transponderâ€"Based Devices for Measuring Airport Operations. Transportation Research Record, 2017, 2626, 9-17.	1.0	8
100	Application of High-Resolution Trip Trace Stitching to Evaluate Traffic Signal System Changes. Transportation Research Record, 2019, 2673, 188-201.	1.0	8
101	Technology Assessment to Improve Operations Counts at Non-Towered Airports. Transportation Research Record, 2019, 2673, 44-50.	1.0	8
102	Diverging Diamond Interchange Performance Measures Using Connected Vehicle Data. Journal of Transportation Technologies, 2021, 11, 628-643.	0.2	8
103	Advanced Software Design and Standards for Traffic Signal Control. Journal of Transportation Engineering, 1992, 118, 430-438.	0.9	7
104	Evaluation of the Accuracy of Stop Bar Video Vehicle Detection at Signalized Intersections. Transportation Research Record, 2005, 1925, 134-145.	1.0	7
105	Use of Both Travel Time and Travel Time Reliability Measures to Quantify Benefits of Signal Timing Maintenance and Optimization. Transportation Research Record, 2015, 2487, 55-68.	1.0	7
106	Leveraging Aircraft Avionics for Fleet and Airport Management. Transportation Research Record, 2016, 2569, 32-41.	1.0	7
107	Statistical modelling of runway incursion occurences in the United States. Journal of Air Transport Management, 2017, 65, 54-62.	2.4	7
108	Investigation of Self-Organizing Traffic Signal Control with Graphical Signal Performance Measures. Transportation Research Record, 2017, 2620, 69-82.	1.0	7

#	Article	IF	Citations
109	Public Safety Implementation of Unmanned Aerial Systems for Photogrammetric Mapping of Crash Scenes. Transportation Research Record, 2019, 2673, 567-574.	1.0	7
110	Evaluation of the Impact of Queue Trucks with Navigation Alerts Using Connected Vehicle Data. Journal of Transportation Technologies, 2021, 11, 561-576.	0.2	7
111	Analysis of Arrival Type Estimation Procedures. Transportation Research Record, 2001, 1776, 123-127.	1.0	6
112	Evaluation of Lane-by-Lane Vehicle Detection for Actuated Controllers Serving Multilane Approaches. Transportation Research Record, 2005, 1925, 123-133.	1.0	6
113	Using GPS to Measure the Impact of Construction Activities on Rural Interstates. Journal of Construction Engineering and Management - ASCE, 2006, 132, 508-515.	2.0	6
114	Detecting Differential Drift in Weigh-in-Motion Wheel Track Sensors. Transportation Research Record, 2009, 2121, 135-144.	1.0	6
115	Non-linear compensation of vehicle signatures captured from electromagnetic sensors with application to vehicle re-identification. , 2010, , .		6
116	Revisiting the Cycle Length. Transportation Research Record, 2013, 2355, 1-9.	1.0	6
117	Evaluating the Accuracy of Mobile LiDAR for Mapping Airfield Infrastructure. Transportation Research Record, 2019, 2673, 117-124.	1.0	6
118	Mobile LiDAR for Scalable Monitoring of Mechanically Stabilized Earth Walls with Smooth Panels. Applied Sciences (Switzerland), 2020, 10, 4480.	1.3	6
119	Leveraging Telematics for Winter Operations Performance Measures and Tactical Adjustment. Journal of Transportation Technologies, 2021, 11, 611-627.	0.2	6
120	Limitations of Simultaneous Gap-Out Logic. , 0, .		6
121	Methodology for Applying Connected Vehicle Data to Evaluate Impact of Interstate Construction Work Zone Diversions. , 2021, , .		6
122	Processing Strategy and Comparative Performance of Different Mobile LiDAR System Grades for Bridge Monitoring: A Case Study. Sensors, 2021, 21, 7550.	2.1	6
123	Assessing Vehicle Profiling Accuracy of Handheld LiDAR Compared to Terrestrial Laser Scanning for Crash Scene Reconstruction. Sensors, 2021, 21, 8076.	2.1	6
124	Multimedia Data Model for Video-Detection Research. Journal of Transportation Engineering, 1995, 121, 385-390.	0.9	5
125	Longitudinal Performance Measures for Assessing Agencywide Signal Management Objectives. Transportation Research Record, 2013, 2355, 20-30.	1.0	5
126	Roundabout Critical Headway Measurement Based on High-Resolution Event-Based Data from Wireless Magnetometers. Transportation Research Record, 2013, 2389, 51-64.	1.0	5

#	Article	IF	Citations
127	High-Resolution Event-Based Data at Diamond Interchanges. Transportation Research Record, 2014, 2439, 12-26.	1.0	5
128	Use of Maximum Vehicle Delay to Characterize Signalized Intersection Performance. Transportation Research Record, 2015, 2488, 41-52.	1.0	5
129	Cycle-Length Strategies for a Diverging Diamond Interchange in a Coordinated Arterial. Journal of Transportation Engineering, 2016, 142, .	0.9	5
130	Outcome Assessment of Peer-to-Peer Adaptive Control Adjacent to a National Park. Transportation Research Record, 2017, 2620, 43-53.	1.0	5
131	Detection of Conflicts Between ADS-B-Equipped Aircraft and Unmanned Aerial Systems. Transportation Research Record, 2020, 2674, 197-204.	1.0	5
132	Evaluation of Flow-Based Traffic Signal Control Using Advanced Detection Concepts. , 0, .		5
133	Leveraging LiDAR Intensity to Evaluate Roadway Pavement Markings. Future Transportation, 2021, 1, 720-736.	1.3	5
134	Using Connected Vehicle Trajectory Data to Evaluate the Impact of Automated Work Zone Speed Enforcement. Sensors, 2022, 22, 2885.	2.1	5
135	Resonant Cycles in Traffic Signal Control. Transportation Research Record, 2005, 1925, 215-226.	1.0	4
136	Design Considerations for Detecting Bicycles with Inductive Loop Detectors. Transportation Research Record, 2006, 1978, 1-7.	1.0	4
137	Performance Measures for Railroad-Preempted Intersections. Transportation Research Record, 2009, 2128, 20-34.	1.0	4
138	Recommended Tolerances for Magnetometer Orientation and Field Calibration Procedure. Transportation Research Record, 2009, 2128, 66-75.	1.0	4
139	Maximum-likelihood speed estimation using vehicle-induced magnetic signatures. , 2009, , .		4
140	A signal processing framework for vehicle re-identification and travel time estimation. , 2009, , .		4
141	Track Clearance Performance Measures for Railroad-Preempted Intersections. Transportation Research Record, 2010, 2192, 64-76.	1.0	4
142	Analysis of Peer Data on Intersections for Decisions about Coordination of Arterial Traffic Signal. Transportation Research Record, 2011, 2259, 23-36.	1.0	4
143	Probe vehicle data for characterizing road conditions associated with inclement weather to improve road maintenance decisions. , 2012, , .		4
144	Implementation of a real-time data driven system to provide queue alerts to stakeholders. , 2017, , .		4

#	Article	IF	Citations
145	Evaluation of the Impact of Presence Lighting and Digital Speed Limit Trailers on Interstate Speeds in Indiana Work Zones. Journal of Transportation Technologies, 2021, 11, 157-167.	0.2	4
146	Atmospheric Pressure Calibration to Improve Accuracy of Transponder-Based Aircraft Operations Counting Technology. Journal of Aviation Technology and Engineering, 2020, 9, 35.	0.4	4
147	Resonant Cycles in Traffic Signal Control. , 0, .		4
148	Design Considerations for Detecting Bicycles with Inductive Loop Detectors. , 0, .		4
149	Using Connected Vehicle Data to Evaluate Traffic Signal Performance and Driver Behavior after Changing Left-turns Phasing. , 2021, , .		4
150	Roundabout Performance Analysis Using Connected Vehicle Data. Journal of Transportation Technologies, 2022, 12, 42-58.	0.2	4
151	Architecture of a Congestion Management System for Controlled-Access Facilities. Transportation Research Record, 1996, 1551, 105-113.	1.0	3
152	Implementation Vision for Distributed Control of Traffic Signal Subsystems. Transportation Research Record, 1996, 1554, 43-47.	1.0	3
153	Geographic Database for Traffic Operations Data. Journal of Transportation Engineering, 1996, 122, 226-234.	0.9	3
154	Deployment of Fiber-Optic Lane Use Indication Signs Using a Distributed Control Architecture. Computer-Aided Civil and Infrastructure Engineering, 1999, 14, 231-238.	6.3	3
155	Comparison of Observed Retroreflectivity Values with Proposed FHWA Minimums. Transportation Research Record, 2002, 1794, 29-37.	1.0	3
156	Limitations of Simultaneous Gap-Out Logic. Transportation Research Record, 2006, 1978, 42-48.	1.0	3
157	Detection of Inclement Weather Conditions at a Signalized Intersection using a Video Image Processing Algorithm. , 2006, , .		3
158	Crosstalk Detection in Signalized-Intersection Loop Detectors. Transportation Research Record, 2010, 2192, 50-63.	1.0	3
159	Engaging New Partners in Transportation Research. Transportation Research Record, 2012, 2291, 111-123.	1.0	3
160	Kullback-Leibler comparison framework for the evaluation of travel time distribution estimates. , 2012, , .		3
161	Evaluation of Thermal Image Video Sensors for Stop Bar Detection at Signalized Intersections. Transportation Research Record, 2012, 2308, 184-198.	1.0	3
162	Collection and analysis of multi-modal airport land side probe data from Bluetooth enabled mobile devices. , 2013, , .		3

#	Article	IF	Citations
163	Evolution of Data Creation, Management, Publication, and Curation in the Research Process. Transportation Research Record, 2014, 2414, 9-19.	1.0	3
164	Sequence Optimization at Signalized Diamond Interchanges Using High-Resolution Event-Based Data. Transportation Research Record, 2015, 2487, 15-30.	1.0	3
165	Assessment of Speed Limit Locations Using Crowdsourced Probe Vehicle Data. Transportation Research Record, 2015, 2484, 10-22.	1.0	3
166	Visualizations of Travel Time Performance Based on Vehicle Reidentification Data. Transportation Research Record, 2017, 2646, 84-92.	1.0	3
167	Corridor Level Mobility Analysis Using GPS Data. International Journal of Intelligent Transportation Systems Research, 2020, 18, 204-218.	0.6	3
168	Leveraging Connected Vehicles to Provide Enhanced Roadway Condition Information. Journal of Transportation Engineering Part A: Systems, 2020, 146, 04020073.	0.8	3
169	Transfer Learning for LiDAR-Based Lane Marking Detection and Intensity Profile Generation. Geomatics, 2021, 1, 287-309.	1.0	3
170	Using Anonymous Connected Vehicle Data to Evaluate Impact of Speed Feedback Displays, Speed Limit Signs and Roadway Features on Interstate Work Zones Speeds. Journal of Transportation Technologies, 2021, 11, 545-560.	0.2	3
171	Innovative application of directional boring procedures for replacing failed inductive loop detectors. Automation in Construction, 1998, 8, 143-148.	4.8	2
172	Estimating Intersection Control Delay Using Large Data Sets of Travel Time from a Global Positioning System. Transportation Research Record, 2005, 1917, 18-27.	1.0	2
173	Automatic Speed Calibration Methodology for Traffic Monitoring Sites. Journal of Transportation Engineering, 2006, 132, 30-39.	0.9	2
174	Acceleration Estimation and Signature Matching Travel Time Estimation Enhancement for Standard Electromagnetic Vehicle Detectors. Transportation Research Record, 2011, 2243, 27-37.	1.0	2
175	Maximum-Likelihood Acceleration Estimation From Existing Roadway Vehicle Detectors. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 759-769.	4.7	2
176	Leveraging Probe Data to Assess Security Checkpoint Wait Times. Transportation Research Record, 2013, 2325, 63-75.	1.0	2
177	UAS Based Methodology for Measuring Glide Slope Angles of Airport Precision Approach Path Indicators (PAPI). , 2020, , .		2
178	Mapping of bus travel time to traffic stream travel time using econometric modeling. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2022, 26, 235-251.	2.6	2
179	Analytical Techniques to Use Historical Probe Data to Assess Platooning Potential on Interstate Corridors. , 2020, , .		2
180	Proposed Concept for Specifying Vehicle Detection Performance. Transportation Research Record, 2009, 2128, 161-172.	1.0	2

#	Article	IF	Citations
181	Using Connected Vehicle Data to Evaluate Impact of Secondary Crashes on Indiana Interstates. , 2021, , .		2
182	Analysis of Route Choice During Planned and Unplanned Road Closures. IEEE Open Journal of Intelligent Transportation Systems, 2022, 3, 489-502.	2.6	2
183	Evaluation of Flow-Based Traffic Signal Control Using Advanced Detection Concepts. Transportation Research Record, 2006, 1978, 25-33.	1.0	1
184	A recursive multi-scale correlation-averaging algorithm for synchronization and fusion of independent pavement roughness measurements. , 2009, , .		1
185	Joint maximum-likelihood estimation of speed and acceleration from existing roadway vehicle detectors. , 2011, , .		1
186	Integrating Adaptive and Traffic Responsive Algorithms. Procedia, Social and Behavioral Sciences, 2012, 48, 3451-3460.	0.5	1
187	Defining Design Space for Parameters of Traffic Signal Timing: Empirical Approach. Transportation Research Record, 2012, 2311, 85-98.	1.0	1
188	Opportunities for Enhancing Construction Education and Student Internships with Multimedia Tools. Transportation Research Record, 2015, 2480, 20-29.	1.0	1
189	Integrating Outcome Oriented Performance Measures into Traffic Signal Operations Business Processes. , 2015, , .		1
190	Signal Green Time Estimation Method for Connected Vehicle-to-Infrastructure Applications. , 2019, , .		1
191	Methodology for Evaluating Impact of Actuated Traffic Signal Control on Connected Vehicle Green Light Prediction. , 2020, , .		1
192	Using Stochastic Variation of Cyclic Green Distributions to Populate SAE J2735 Message Confidence Values along a Signalized Corridor. Transportation Research Record, 2020, 2674, 426-437.	1.0	1
193	Using Connected Vehicle Data to Reassess Dilemma Zone Performance of Heavy Vehicles. Transportation Research Record, 2020, 2674, 305-314.	1.0	1
194	Analysis of Electric and Hybrid Vehicle Usage in Proximity to Charging Infrastructure in Indiana. Journal of Transportation Technologies, 2021, 11, 577-596.	0.2	1
195	Agile Work Zone Management Based on Connected Vehicle Data. , 2021, , .		1
196	Applied High Resolution Traffic Controller Data Outcome Based Performance Measures With Gate-Down Confirmation Circuit. , 2010, , .		1
197	Characterizing Signalized Intersection Performance Using Maximum Vehicle Delay. , 0, , .		1
198	Evaluation of AASHTO SiteManager Performance on High-Latency Satellite Communication Links. Transportation Research Record, 2005, 1935, 17-27.	1.0	0

#	Article	IF	Citations
199	Traffic Signal Phase Truncation in Event of Traffic Flow Restriction. Transportation Research Record, 2006, 1978, 87-94.	1.0	0
200	Decision Tree Model to Prioritize Signalized Intersections near Highway–Railroad Crossings for Railroad Interconnect. Transportation Research Record, 2010, 2192, 116-126.	1.0	0
201	GNU radio open source vehicle detector. , 2011, , .		0
202	Improving Intersection Behavior through Delay-Based Left-Turn Phase Initiation. Transportation Research Record, 2014, 2439, 41-52.	1.0	0
203	Applying Lean-Engineering Principles to Agency Business Processes to Improve Collections Associated with Infrastructure Damaged by Motor Vehicle Crashes. Transportation Research Record, 2017, 2670, 42-49.	1.0	0
204	Time-Lapse Photography of Runway Reconstruction for Education and Training. Transportation Research Record, 2017, 2603, 39-49.	1.0	0
205	Quantitative Assessment of Pavement and Scooter Suspension on Ride Quality. , 2019, , .		0
206	Generating Dynamic Prescription Maps for Winter Road Treatment via Sun-Shadow Simulation. , 2021, , .		0