Eun Sug Park

List of Publications by Year
in descending order

69 papers	1,161 citations	471371 17 h-index	414303 32 g-index
70 all docs	70 docs citations	70 times ranked	912 citing authors

#	Article	IF	Citations
1	Impact of operating speed measures on traffic crashes: Annual and daily level models for rural two-lane and rural multilane roadways. Journal of Transportation Safety and Security, 2023, 15, 584-603.	1.1	2
2	Evaluating the Performance of Low-Cost Air Quality Monitors in Dallas, Texas. International Journal of Environmental Research and Public Health, 2022, 19, 1647.	1.2	12
3	Characteristics of movers and predictors of residential mobility in the Atherosclerosis Risk in Communities (ARIC) cohort. Health and Place, 2022, 74, 102771.	1.5	4
4	Assessment of inequity in bicyclist crashes using bivariate Bayesian copulas. Journal of Safety Research, 2022, 82, 221-232.	1.7	3
5	Bayesian analysis of multivariate crash counts using copulas. Accident Analysis and Prevention, 2021, 149, 105431.	3.0	5
6	Exploration of the relationship among roadway characteristics, operating speed, and crashes for city streets using path analysis. Accident Analysis and Prevention, 2021, 150, 105896.	3.0	28
7	Influence of Lane Width on Bus Crashes. Transportation Research Record, 2021, 2675, 87-97.	1.0	4
8	Considering Roadway Context in Setting Posted Speed Limits. Transportation Research Record, 2021, 2675, 590-602.	1.0	6
9	Bayesian multivariate receptor modeling software: BNFA and bayesMRM. Chemometrics and Intelligent Laboratory Systems, 2021, 211, 104280.	1.8	4
10	A multiple linear regression model with multiplicative log-normal error term for atmospheric concentration data. Science of the Total Environment, 2021, 767, 144282.	3.9	17
11	Investigation of crashes at pedestrian hybrid beacons: Results of a large-scale study in Arizona. Journal of Safety Research, 2021, 78, 59-68.	1.7	2
12	Nighttime effectiveness of the pedestrian hybrid beacon, rectangular rapid flashing beacon, and LED-embedded crossing sign. Journal of Safety Research, 2021, 79, 273-286.	1.7	2
13	Interval estimation in multivariate curve resolution by exploiting the principles of error propagation in linear least squares. Chemometrics and Intelligent Laboratory Systems, 2020, 206, 104166.	1.8	3
14	Safety Performance of One-Way Arterials. Transportation Research Record, 2020, 2674, 548-559.	1.0	1
15	Assessment of mobile source contributions in El Paso by PMF receptor modeling coupled with wind direction analysis. Science of the Total Environment, 2020, 720, 137527.	3.9	5
16	Bayesian Methods for Factor Analysis in Chemometrics. , 2020, , 355-369.		1
17	Safety effects of wet-weather pavement markings. Accident Analysis and Prevention, 2019, 133, 105271.	3.0	9
18	Impact of Fare Policy Changes on Paratransit Travel Options: METROLift Case Study. Transportation Research Record, 2019, 2673, 198-208.	1.0	1

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19	Traffic-related air emissions in Houston: Effects of light-rail transit. Science of the Total Environment, 2019, 651, 154-161.	3.9	16
20	Accounting for uncertainty in source–specific exposures in the evaluation of health effects of pollution sources on daily cause–specific mortality. Environmetrics, 2018, 29, e2484.	0.6	9
21	Bayesian Spatial Multivariate Receptor Modeling for Multisite Multipollutant Data. Technometrics, 2018, 60, 306-318.	1.3	11
22	Impact of light rail transit on traffic-related pollution and stroke mortality. International Journal of Public Health, 2017, 62, 721-728.	1.0	12
23	Closed-Course Study to Examine the Effect of Alcohol Impairment on a Driver's Ability to Identify and Read Signs. Transportation Research Record, 2017, 2660, 86-93.	1.0	8
24	Effects of Full Matrix Color Changeable Message Signs on Legibility and Roadway Hazard Visibility. Transportation Research Record, 2017, 2617, 9-18.	1.0	0
25	Bayesian quantile multivariate receptor modeling. Chemometrics and Intelligent Laboratory Systems, 2016, 159, 174-180.	1.8	7
26	Bayesian variable selection in binary quantile regression. Statistics and Probability Letters, 2016, 118, 177-181.	0.4	8
27	Bayesian variable selection in quantile regression using the Savage–Dickey density ratio. Journal of the Korean Statistical Society, 2016, 45, 466-476.	0.3	6
28	Evaluation of Moisture Susceptibility Minimization Strategies for Warm-Mix Asphalt: Case Study. Journal of Materials in Civil Engineering, 2016, 28, .	1.3	21
29	Robust Bayesian multivariate receptor modeling. Chemometrics and Intelligent Laboratory Systems, 2015, 149, 215-226.	1.8	15
30	Determining Level of Service on Freeways and Multilane Highways with Higher Speeds. Transportation Research Record, 2014, 2461, 85-93.	1.0	3
31	Assessment of source-specific health effects associated with an unknown number of major sources of multiple air pollutants: a unified Bayesian approach. Biostatistics, 2014, 15, 484-497.	0.9	24
32	Effects of Geometric and Traffic Variables on Double Left-Turn Lane Operations. Transportation Research Record, 2014, 2436, 32-42.	1.0	4
33	Multivariate Receptor Models for Spatially Correlated Multipollutant Data. Technometrics, 2013, 55, 309-320.	1.3	5
34	Investigation of Longitudinal Pavement Marking Retroreflectivity and Safety. Transportation Research Record, 2013, 2337, 59-66.	1.0	23
35	Closed-Course Evaluation of Stop Paddles with Embedded Lights. Transportation Research Record, 2012, 2298, 22-29.	1.0	0
36	Safety and Economic Impacts of Converting Two-Way Frontage Roads to One-Way Operation. Transportation Research Record, 2012, 2301, 66-75.	1.0	5

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37	Safety effects of wider edge lines on rural, two-lane highways. Accident Analysis and Prevention, 2012, 48, 317-325.	3.0	46
38	Driver Performance at High Speeds Using a Simulator. Transportation Research Record, 2012, 2321, 88-97.	1.0	9
39	Developing and Applying Models for Estimating Arterial Corridor Travel Time Index for Transportation Planning in Small to Medium-Sized Communities. Transportation Research Record, 2011, 2244, 81-90.	1.0	6
40	Detection Distances to Crosswalk Markings. Transportation Research Record, 2011, 2250, 1-10.	1.0	4
41	A nonparametric approach based on a Markov like property for classification. Chemometrics and Intelligent Laboratory Systems, 2011, 108, 87-92.	1.8	2
42	Guidelines for Spacing between Freeway Ramps. Transportation Research Record, 2011, 2262, 3-12.	1.0	8
43	Suggestions concerning School Traffic Control Devices. Transportation Research Record, 2010, 2149, 1-10.	1.0	2
44	A fully Bayesian multivariate approach to before–after safety evaluation. Accident Analysis and Prevention, 2010, 42, 1118-1127.	3.0	79
45	Safety Effectiveness of HAWK Pedestrian Treatment. Transportation Research Record, 2009, 2140, 214-223.	1.0	28
46	Benefits of Pavement Markings. Transportation Research Record, 2009, 2107, 59-68.	1.0	28
47	A Markov Chain Monte Carlo-Based Origin Destination Matrix Estimator that is Robust to Imperfect Intelligent Transportation Systems Data. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2008, 12, 139-155.	2.6	9
48	A Bayesian approach for improved pavement performance prediction. Journal of Applied Statistics, 2008, 35, 1219-1238.	0.6	27
49	Intermediate Access to Buffer-Separated Managed Lanes. Transportation Research Record, 2008, 2065, 18-26.	1.0	4
50	Potential Accident Modification Factors for Driveway Density on Rural Highways. Transportation Research Record, 2008, 2083, 49-61.	1.0	4
51	Evidence of Unacceptable Video Detector Performance for Dilemma Zone Protection. Transportation Research Record, 2008, 2080, 100-110.	1.0	3
52	Incomplete Archived Data of Intelligent Transportation Systems for Calculation of Annual Average Traffic Statistics. Transportation Research Record, 2008, 2049, 1-13.	1.0	5
53	Multivariate Poisson-Lognormal Models for Jointly Modeling Crash Frequency by Severity. Transportation Research Record, 2007, 2019, 1-6.	1.0	231
54	A computation saving Jackknife approach to receptor model uncertainty statements for serially correlated data. Chemometrics and Intelligent Laboratory Systems, 2007, 88, 170-182.	1.8	10

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55	Operation and Safety of Right-Turn Lane Designs. Transportation Research Record, 2006, 1961, 55-64.	1.0	13
56	Motorist Yielding to Pedestrians at Unsignalized Intersections. Transportation Research Record, 2006, 1982, 1-12.	1.0	40
57	The sizes of the three popular asymptotic tests for testing homogeneity of two binomial proportions. Computational Statistics and Data Analysis, 2006, 51, 710-722.	0.7	6
58	Predicting Speeds in an Urban Right-Turn Lane. Journal of Transportation Engineering, 2006, 132, 199-204.	0.9	18
59	Operation and Safety of Right-Turn Lane Designs. Transportation Research Record, 2006, 1961, 55-64.	1.0	9
60	Factors Affecting Binder Properties between Production and Construction. Journal of Materials in Civil Engineering, 2005, 17, 89-98.	1.3	9
61	Locating major PM10source areas in Seoul using multivariate receptor modeling. Environmental and Ecological Statistics, 2004, 11, 9-19.	1.9	14
62	Nearly Nonparametric Multivariate Density Estimates That Incorporate Marginal Parametric Density Information. American Statistician, 2003, 57, 183-188.	0.9	4
63	Empirical Approaches to Outlier Detection in Intelligent Transportation Systems Data. Transportation Research Record, 2003, 1840, 21-30.	1.0	17
64	Bilinear estimation of pollution source profiles and amounts by using multivariate receptor models. Environmetrics, 2002, 13, 775-798.	0.6	40
65	Multivariate receptor models and model uncertainty. Chemometrics and Intelligent Laboratory Systems, 2002, 60, 49-67.	1.8	50
66	Multivariate Receptor Modeling for Temporally Correlated Data by Using MCMC. Journal of the American Statistical Association, 2001, 96, 1171-1183.	1.8	46
67	Estimating the number of factors to include in a high-dimensional multivariate bilinear model. Communications in Statistics Part B: Simulation and Computation, 2000, 29, 723-746.	0.6	23
68	Comparing a new algorithm with the classic methods for estimating the number of factors. Chemometrics and Intelligent Laboratory Systems, 1999, 48, 91-97.	1.8	76
69	Multistate Analysis Investigating Roadway Characteristics that Affect Driver Yielding at LED-Embedded Pedestrian- and School-Crossing Signs. Transportation Research Record, 0, , 036119812210855.	1.0	0