

# Karl Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

2,110  
citations

218592

26  
h-index

254106

43  
g-index

93  
all docs

93  
docs citations

93  
times ranked

1533  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial analysis of Honolulu motor vehicle crashes: I. Spatial patterns. Accident Analysis and Prevention, 1995, 27, 663-674.	3.0	184
2	Spatial analysis of Honolulu motor vehicle crashes: II. Zonal generators. Accident Analysis and Prevention, 1995, 27, 675-685.	3.0	160
3	Personal and behavioral predictors of automobile crash and injury severity. Accident Analysis and Prevention, 1995, 27, 469-481.	3.0	152
4	Traffic Impacts of the COVID-19 Pandemic: Statewide Analysis of Social Separation and Activity Restriction. Natural Hazards Review, 2020, 21, .	0.8	97
5	Using a k-means clustering algorithm to examine patterns of pedestrian involved crashes in Honolulu, Hawaii. Journal of Advanced Transportation, 2007, 41, 69-89.	0.9	61
6	Modeling fault among accident-involved pedestrians and motorists in Hawaii. Accident Analysis and Prevention, 2008, 40, 2043-2049.	3.0	60
7	Impacts of COVID-19 on transportation: Summary and synthesis of interdisciplinary research. Transportation Research Interdisciplinary Perspectives, 2021, 9, 100305.	1.6	60
8	Influence of Land Use, Population, Employment, and Economic Activity on Accidents. Transportation Research Record, 2006, 1953, 56-64.	1.0	56
9	Influence of Land Use, Population, Employment, and Economic Activity on Accidents. Transportation Research Record, 2006, 1953, 56-64.	1.0	56
10	The location of motor vehicle crashes in Honolulu: a methodology for geocoding intersections. Computers, Environment and Urban Systems, 1998, 22, 557-576.	3.3	55
11	Motor Vehicle Crashes and Land Use: Empirical Analysis from Hawaii. Transportation Research Record, 2002, 1784, 73-79.	1.0	54
12	Accidents and Accessibility: Measuring Influences of Demographic and Land Use Variables in Honolulu, Hawaii. Transportation Research Record, 2010, 2147, 9-17.	1.0	52
13	The Theory and Practice of Building Back Better. Journal of the American Planning Association, 2014, 80, 289-292.	0.9	49
14	Daily fluctuations in Honolulu motor vehicle accidents. Accident Analysis and Prevention, 1995, 27, 785-796.	3.0	46
15	Predictors of safety belt use among crash-involved drivers and front seat passengers: adjusting for over-reporting. Accident Analysis and Prevention, 1999, 31, 631-638.	3.0	43
16	Integrating travel demand modeling and flood hazard risk analysis for evacuation and sheltering. International Journal of Disaster Risk Reduction, 2018, 31, 1177-1186.	1.8	41
17	Learning from Hurricane Maria: Island ports and supply chain resilience. International Journal of Disaster Risk Reduction, 2019, 39, 101244.	1.8	41
18	Personal, temporal and spatial characteristics of seriously injured crash-involved seat belt non-users in Hawaii. Accident Analysis and Prevention, 2003, 35, 121-130.	3.0	38

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19	Measuring Influence of Accessibility on Accident Severity with Structural Equation Modeling. Transportation Research Record, 2011, 2236, 1-10.	1.0	38
20	Efficiencies of bonding, bridging and linking social capital: Cleaning up after disasters in Japan. International Journal of Disaster Risk Reduction, 2019, 33, 64-73.	1.8	34
21	Drivers at Fault. Journal of Safety Research, 1998, 29, 171-179.	1.7	33
22	Attitudes of commercial motor vehicle drivers towards safety belts. Accident Analysis and Prevention, 2007, 39, 1097-1106.	3.0	33
23	Modeling violation of Hawaii's crosswalk law. Accident Analysis and Prevention, 2008, 40, 894-904.	3.0	33
24	Hit-and-Run Crashes. Transportation Research Record, 2008, 2083, 114-121.	1.0	31
25	Social capital and efficiency of earthquake waste management in Japan. International Journal of Disaster Risk Reduction, 2016, 18, 256-266.	1.8	30
26	Evacuation planning for plausible worst case inundation scenarios in Honolulu, Hawaii. Journal of Emergency Management, 2015, 13, 93-108.	0.2	30
27	Coastal exposure of the Hawaiian Islands using GIS-based index modeling. Ocean and Coastal Management, 2018, 163, 113-129.	2.0	27
28	Using GIS to improve highway safety. Computers, Environment and Urban Systems, 1996, 20, 289-302.	3.3	26
29	Patterns of motor vehicle crash involvement by driver age and sex in Hawaii. Journal of Safety Research, 1996, 27, 117-125.	1.7	23
30	Learning to Build Resilience into Transportation Systems. Transportation Research Record, 2018, 2672, 30-42.	1.0	23
31	Unmanned Aircraft Systems Used for Disaster Management. Transportation Research Record, 2015, 2532, 83-90.	1.0	22
32	Vulnerability assessment and adaptation to sea level rise in high-wave environments: A case study on O'ahu, Hawai'i. Ocean and Coastal Management, 2018, 157, 147-159.	2.0	22
33	Finding Fault in Motorcycle Crashes in Hawaii: Environmental, Temporal, Spatial, and Human Factors. Transportation Research Record, 2001, 1779, 182-188.	1.0	19
34	Moped safety in Honolulu, Hawaii. Journal of Safety Research, 1995, 26, 177-185.	1.7	17
35	Analysis of Transportation Disruptions from Recent Flooding and Volcanic Disasters in Hawai'i. Transportation Research Record, 2019, 2673, 194-208.	1.0	16
36	Modeling Fault among Bicyclists and Drivers Involved in Collisions in Hawaii, 1986-1991. Transportation Research Record, 1996, 1538, 75-80.	1.0	15

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37	Lie Factor in Traffic Safety: Comparison of Police and Hospital Reporting of Seat Belt and Alcohol Use in Hawaii. <i>Transportation Research Record</i> , 1999, 1665, 141-146.	1.0	15
38	Beyond Border Barriers: The Liberalisation of Services Trade in Tunisia and Egypt. <i>World Economy</i> , 2004, 27, 1429-1447.	1.4	15
39	Assessing the potential for food and energy self-sufficiency on the island of Kauai, Hawaii. <i>Food Policy</i> , 2015, 54, 44-51.	2.8	15
40	Estimating driver crash risks based on the extended Bradley-Terry model: an induced exposure method. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2000, 163, 227-240.	0.6	14
41	Typology of Motorcycle Crashes: Rider Characteristics, Environmental Factors, and Spatial Patterns. <i>Transportation Research Record</i> , 2002, 1818, 47-53.	1.0	14
42	Alcohol-Impaired Motorcycle Crashes in Hawaii, 1986 to 1995: An Analysis. <i>Transportation Research Record</i> , 2000, 1734, 77-85.	1.0	13
43	Tsunami evacuation buildings and evacuation planning in Banda Aceh, Indonesia. <i>Journal of Emergency Management</i> , 2017, 15, 49-61.	0.2	13
44	Using National Household Travel Survey Data for the Assessment of Transportation System Vulnerabilities. <i>Transportation Research Record</i> , 2013, 2376, 71-80.	1.0	12
45	Managing uncertainty: Lessons from volcanic lava disruption of transportation infrastructure in Puna, Hawaii. <i>Journal of Emergency Management</i> , 2018, 16, 29-40.	0.2	12
46	Transportation and Tourism in Hawaii: Computable General Equilibrium Model. <i>Transportation Research Record</i> , 2003, 1839, 142-149.	1.0	11
47	Corresponding Characteristics and Circumstances of Collision-Involved Pedestrians in Hawaii. <i>Transportation Research Record</i> , 2008, 2073, 18-24.	1.0	11
48	The economic impacts of banning commercial bottomfish fishing in the Northwestern Hawaiian Islands. <i>Ocean and Coastal Management</i> , 2009, 52, 166-172.	2.0	10
49	Stakeholder assessment of coastal risks and mitigation strategies. <i>Ocean and Coastal Management</i> , 2019, 179, 104844.	2.0	10
50	Assessment of Transportation System Vulnerabilities to Tidal Flooding in Honolulu, Hawaii. <i>Transportation Research Record</i> , 2020, 2674, 207-219.	1.0	10
51	Entropy and Accidents. <i>Transportation Research Record</i> , 2012, 2280, 173-182.	1.0	9
52	Segment-Based Approach for Assessing Hazard Risk of Coastal Highways in Hawaii. <i>Transportation Research Record</i> , 2019, 2673, 83-91.	1.0	9
53	Self-reported handheld device use while driving. <i>Accident Analysis and Prevention</i> , 2019, 125, 106-115.	3.0	9
54	Click It or Ticket: Boosting Seat Belt Use in Hawaii. <i>Transportation Research Record</i> , 2003, 1830, 18-24.	1.0	8

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55	Analytic Hierarchy Process and Geographic Information Systems to Identify Optimal Transit Alignments. <i>Transportation Research Record</i> , 2011, 2215, 59-66.	1.0	8
56	Learning from Crisis. <i>Transportation Research Record</i> , 2013, 2376, 56-62.	1.0	8
57	Land, lava, and disaster create a social dilemma after the 2018 eruption of K�lauea volcano. <i>Nature Communications</i> , 2021, 12, 1223.	5.8	7
58	Greening Roadway Infrastructure with Vetiver Grass to Support Transportation Resilience. <i>CivilEng</i> , 2022, 3, 147-164.	0.8	7
59	Asleep at the Wheel: Spatial and Temporal Patterns of Fatigue-Related Crashes in Honolulu. <i>Transportation Research Record</i> , 2001, 1779, 46-53.	1.0	6
60	Walking in Waikiki, Hawaii. <i>Transportation Research Record</i> , 2006, 1982, 104-112.	1.0	6
61	Pausing the Pandemic: Understanding and Managing Traveler and Community Spread of COVID-19 in Hawaii. <i>Transportation Research Record</i> , 2023, 2677, 324-334.	1.0	6
62	Ten Takeaways from the COVID-19 Pandemic for Transportation Planners. <i>Transportation Research Record</i> , 2023, 2677, 517-530.	1.0	6
63	Crash- and Injury-Outcome Multipliers. <i>Transportation Research Record</i> , 2000, 1717, 10-13.	1.0	5
64	The analysis of motor vehicle crash clusters using the vector quantization technique. <i>Journal of Advanced Transportation</i> , 2010, 44, 162-175.	0.9	5
65	Bikeshare and safety: Risk assessment and management. <i>Transportation Research Interdisciplinary Perspectives</i> , 2021, 9, 100276.	1.6	5
66	Assessment of evacuation training needs: Targeting instruction to meet the requirements of local communities and agencies. <i>Journal of Emergency Management</i> , 2020, 18, 475-487.	0.2	5
67	An agent-based model of short-notice tsunami evacuation in Waikiki, Hawaii. <i>Transportation Research, Part D: Transport and Environment</i> , 2022, 105, 103239.	3.2	5
68	Regional planning's last hurrah: the political economy of the Tumen River regional development plan. , 1998, 44, 239-247.		4
69	Evaluating erosion management strategies in Waikiki, Hawaii. <i>Ocean and Coastal Management</i> , 2020, 188, 105113.	2.0	4
70	Walking in Waikiki, Hawaii: Measuring Pedestrian Level of Service in an Urban Resort District. <i>Transportation Research Record</i> , 2006, 1982, 104-112.	1.0	4
71	Recent developments in the use of environmental impact statements in Korea. <i>Environmental Impact Assessment Review</i> , 1992, 12, 295-314.	4.4	3
72	Use of Safety Viewgrams to Visualize Driver and Pedestrian Interactions. <i>Transportation Research Record</i> , 2007, 2002, 72-77.	1.0	3

#	ARTICLE	IF	CITATIONS
73	Sustaining Seat Belt Use in a High-Use State. Transportation Research Record, 2014, 2425, 32-40.	1.0	3
74	Assessment of ENSO risks to support transportation resilience. Progress in Disaster Science, 2021, 12, 100196.	1.4	3
75	Challenges to maintaining disaster relief supply chains in island communities: disaster preparedness and response in Honolulu, Hawaii. Natural Hazards, 2022, 114, 1829-1855.	1.6	3
76	Integrating fast feedback and GIS to plan for important agricultural land designations in Kauai County, Hawaii. Journal of Land Use Science, 2017, , 1-16.	1.0	2
77	Factors associated with differences in initial pandemic preparedness and response: Findings from a nationwide survey in the United states. Transportation Research Interdisciplinary Perspectives, 2021, 11, 100430.	1.6	2
78	Cheju. Cities, 1992, 9, 82-90.	2.7	1
79	<i>Planning for Post-Disaster Recovery: Next Generation</i>, edited by James C. Schwab. Journal of the American Planning Association, 2015, 81, 159-160.	0.9	1
80	The Resilience of Islands: Borders and Boundaries of Risk Reduction. , 2018, , 155-174.		1
81	Evacuation Planning and Transportation Resilience. , 2021, , 276-281.		1
82	Integration of In-Situ, Laboratory and Computer Models for Coastal Risk Assessment, Planning and Development. , 2018, , .		1
83	Multimodal transportation systems. , 2022, , 23-51.		1
84	Equity, participation, and planning for recovery in Puerto Rico. Journal of Emergency Management, 2021, 19, 235-253.	0.2	1
85	New technology to better convey your mood (and research). Accident Analysis and Prevention, 2005, 37, 389-390.	3.0	0
86	Understanding, Managing, and Learning From Disruption. , 2021, , 719-725.		0
87	Transportation resilience: International perspectives. , 2022, , 99-126.		0
88	Overcoming challenges of the 21st and 22nd centuries. , 2022, , 203-214.		0
89	Increasing transportation network resilience. , 2022, , 85-98.		0
90	Improving Service Coverage and Response Times for Three-Wheeled Mobile Fire Units on Pari Island, Indonesia. Transportation Research Record, 2023, 2677, 682-693.	1.0	0