

Albert Y Chen

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.

41
papers

636
citations

13
h-index

24
g-index

52
ext. papers

834
ext. citations

5.5
avg, IF

4.53
L-index

#	Paper	IF	Citations
41	A review of rotorcraft Unmanned Aerial Vehicle (UAV) developments and applications in civil engineering. <i>Smart Structures and Systems</i> , 2014 , 13, 1065-1094		160
40	Network based temporary facility location for the Emergency Medical Services considering the disaster induced demand and the transportation infrastructure in disaster response. <i>Transportation Research Part B: Methodological</i> , 2016 , 91, 408-423	7.2	70
39	A collaborative GIS framework to support equipment distribution for civil engineering disaster response operations. <i>Automation in Construction</i> , 2011 , 20, 637-648	9.6	57
38	Mobile Ad Hoc Network-Enabled Collaboration Framework Supporting Civil Engineering Emergency Response Operations. <i>Journal of Computing in Civil Engineering</i> , 2010 , 24, 302-312	5	44
37	TDVRP and BIM Integrated Approach for In-Building Emergency Rescue Routing. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30,	5	33
36	Demand Forecast Using Data Analytics for the Preallocation of Ambulances. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016 , 20, 1178-87	7.2	33
35	Variable guidance for pedestrian evacuation considering congestion, hazard, and compliance behavior. <i>Transportation Research Part C: Emerging Technologies</i> , 2017 , 85, 664-683	8.4	28
34	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 2765-2773	6.1	24
33	The Effect of Successful Intubation on Patient Outcomes After Out-of-Hospital Cardiac Arrest in Taipei. <i>Annals of Emergency Medicine</i> , 2018 , 71, 387-396.e2	2.1	20
32	Supporting urban emergency response and recovery using RFID-based building assessment. <i>Disaster Prevention and Management</i> , 2009 , 18, 35-48	1.5	19
31	Tracking multiple construction workers through deep learning and the gradient based method with re-matching based on multi-object tracking accuracy. <i>Automation in Construction</i> , 2020 , 119, 103308	9.6	17
30	Supporting Urban Search and Rescue with digital assessments of structures and requests of response resources. <i>Advanced Engineering Informatics</i> , 2012 , 26, 833-845	7.4	16
29	Conflict analytics through the vehicle safety space in mixed traffic flows using UAV image sequences. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 119, 102744	8.4	13
28	Decentralized Approach Considering Spatial Attributes for Equipment Utilization in Civil Engineering Disaster Response. <i>Journal of Computing in Civil Engineering</i> , 2011 , 25, 457-470	5	12
27	Traffic Speed Estimation through Data Fusion from Heterogeneous Sources for First Response Deployment. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 04014018	5	11
26	In-building automated external defibrillator location planning and assessment through building information models. <i>Automation in Construction</i> , 2019 , 106, 102883	9.6	10
25	Temporal image analytics for abnormal construction activity identification. <i>Automation in Construction</i> , 2021 , 124, 103572	9.6	10

24	Removal of occluding construction workers in job site image data using U-Net based context encoders. <i>Automation in Construction</i> , 2020 , 119, 103332	9.6	7
23	Ambulance Service Area Considering Disaster-Induced Disturbance on the Transportation Infrastructure. <i>Journal of Testing and Evaluation</i> , 2015 , 43, 20140084	1	7
22	Physical Infrastructure Assessment for Emergency Medical Response. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29, 04014044	5	5
21	A Collaborative Framework for Supporting Civil Engineering Emergency Response with Mobile Ad-Hoc Networks 2007 ,		5
20	Emergency medical response in mass casualty incidents considering the traffic congestions in proximity on-site and hospital delays. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022 , 158, 102591	9	4
19	Equipment Distribution for Structural Stabilization and Civilian Rescue. <i>International Journal of Information Systems for Crisis Response and Management</i> , 2011 , 3, 19-31	0.6	4
18	Freeway Travel Time Prediction Based on Seamless Spatio-temporal Data Fusion: Case Study of the Freeway in Taiwan. <i>Transportation Research Procedia</i> , 2016 , 17, 452-459	2.4	4
17	A GIS-Based Demand Forecast Using Machine Learning for Emergency Medical Services 2014 ,		3
16	Location problems for shelter-in-place deployment: A case study of vertical evacuation upon dam-break floods. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 57, 102048	4.5	3
15	Video-Based Indoor Human Detection for Decision-Making of the Installation Locations for Automated External Defibrillators 2017 ,		2
14	Lagrangian dual decomposition for the ambulance relocation and routing considering stochastic demand with the truncated Poisson. <i>Transportation Research Part B: Methodological</i> , 2022 , 157, 1-23	7.2	2
13	Stochastic programming model for integrating bus network design and dial-a-ride scheduling. <i>Transportation Letters</i> , 2020 , 1-13	2.1	2
12	Human Tracking for Facility Surveillance. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 329-338	0.4	2
11	A Building Information Model enabled Multiple Traveling Salesman Problem for building interior patrols. <i>Advanced Engineering Informatics</i> , 2021 , 47, 101237	7.4	2
10	BIM-Enabled Decision Making for In-Building Rescue Missions 2014 ,		1
9	Image Sensing-Based In-Building Human Demand Estimation for Installation of Automated External Defibrillators. <i>Lecture Notes in Civil Engineering</i> , 2021 , 1139-1151	0.3	1
8	Measuring In-Building Spatial-Temporal Human Distribution through Monocular Image Data Considering Deep Learning-Based Image Depth Estimation. <i>Journal of Computing in Civil Engineering</i> , 2021 , 35, 04021014	5	1
7	Early recognition of a caller's emotion in out-of-hospital cardiac arrest dispatching: An artificial intelligence approach. <i>Resuscitation</i> , 2021 , 167, 144-150	4	1

6	Chemically and temporally resolved oxidative potential of urban fine particulate matter. <i>Environmental Pollution</i> , 2021 , 291, 118206	9.3	1
5	Real-time indoor localization with visual SLAM for in-building emergency response. <i>Automation in Construction</i> , 2022 , 140, 104319	9.6	1
4	Temporal stability of associations between crash characteristics: A multiple correspondence analysis.. <i>Accident Analysis and Prevention</i> , 2022 , 168, 106590	6.1	0
3	Location problems of vertical evacuation structures for dam-failure floods: Considering shelter-in-place and horizontal evacuation. <i>International Journal of Disaster Risk Reduction</i> , 2022 , 103044 ^{4,5}		0
2	A Civilian Reporting Service to Guide Converging Resources for Search and Rescue in Disaster Response. <i>Journal of Construction Engineering and Project Management</i> , 2011 , 1, 45-51		
1	Equipment Distribution for Structural Stabilization and Civilian Rescue 2013 , 20-32		