

Albert Y Chen

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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 | 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 |
| 40 | 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 |
| 39 | Temporal stability of associations between crash characteristics: A multiple correspondence analysis.. <i>Accident Analysis and Prevention</i> , 2022 , 168, 106590 | 6.1 | 0 |
| 38 | Real-time indoor localization with visual SLAM for in-building emergency response. <i>Automation in Construction</i> , 2022 , 140, 104319 | 9.6 | 1 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | Temporal image analytics for abnormal construction activity identification. <i>Automation in Construction</i> , 2021 , 124, 103572 | 9.6 | 10 |
| 33 | A Building Information Model enabled Multiple Traveling Salesman Problem for building interior patrols. <i>Advanced Engineering Informatics</i> , 2021 , 47, 101237 | 7.4 | 2 |
| 32 | Measuring In-Building Spatial-Temporal Human Distribution through Monocular Image Data Considering Deep LearningBased Image Depth Estimation. <i>Journal of Computing in Civil Engineering</i> , 2021 , 35, 04021014 | 5 | 1 |
| 31 | 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 |
| 30 | Chemically and temporally resolved oxidative potential of urban fine particulate matter. <i>Environmental Pollution</i> , 2021 , 291, 118206 | 9.3 | 1 |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | Stochastic programming model for integrating bus network design and dial-a-ride scheduling. <i>Transportation Letters</i> , 2020 , 1-13 | 2.1 | 2 |
| 25 | Human Tracking for Facility Surveillance. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 329-338 | 0.4 | 2 |

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| 24 | In-building automated external defibrillator location planning and assessment through building information models. <i>Automation in Construction</i> , 2019 , 106, 102883 | 9.6 | 10 |
| 23 | 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 |
| 22 | Video-Based Indoor Human Detection for Decision-Making of the Installation Locations for Automated External Defibrillators 2017 , | | 2 |
| 21 | 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 |
| 20 | 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 |
| 19 | TDVRP and BIM Integrated Approach for In-Building Emergency Rescue Routing. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, | 5 | 33 |
| 18 | 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 |
| 17 | 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 |
| 16 | Physical Infrastructure Assessment for Emergency Medical Response. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29, 04014044 | 5 | 5 |
| 15 | . <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 2765-2773 | 6.1 | 24 |
| 14 | Ambulance Service Area Considering Disaster-Induced Disturbance on the Transportation Infrastructure. <i>Journal of Testing and Evaluation</i> , 2015 , 43, 20140084 | 1 | 7 |
| 13 | BIM-Enabled Decision Making for In-Building Rescue Missions 2014 , | | 1 |
| 12 | A GIS-Based Demand Forecast Using Machine Learning for Emergency Medical Services 2014 , | | 3 |
| 11 | 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 |
| 10 | 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 |
| 9 | Equipment Distribution for Structural Stabilization and Civilian Rescue 2013 , 20-32 | | |
| 8 | 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 |
| 7 | 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 |

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| 6 | 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 |
| 5 | 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 |
| 4 | 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 | | |
| 3 | 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 |
| 2 | Supporting urban emergency response and recovery using RFID-based building assessment. <i>Disaster Prevention and Management</i> , 2009 , 18, 35-48 | 1.5 | 19 |
| 1 | A Collaborative Framework for Supporting Civil Engineering Emergency Response with Mobile Ad-Hoc Networks 2007 , | | 5 |