

# Yi Tan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1869945/publications.pdf>

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17  
papers

791  
citations

623188

14  
h-index

940134

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

695  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Trends and Opportunities of BIM-GIS Integration in the Architecture, Engineering and Construction Industry: A Review from a Spatio-Temporal Statistical Perspective. ISPRS International Journal of Geo-Information, 2017, 6, 397. | 1.4 | 145       |
| 2  | Computational Methods of Acquisition and Processing of 3D Point Cloud Data for Construction Applications. Archives of Computational Methods in Engineering, 2020, 27, 479-499.   | 6.0 | 114       |
| 3  | Computational methodologies for optimal sensor placement in structural health monitoring: A review. Structural Health Monitoring, 2020, 19, 1287-1308.   | 4.3 | 84        |
| 4  | Analyzing the Leading Causes of Traffic Fatalities Using XGBoost and Grid-Based Analysis: A City Management Perspective. IEEE Access, 2019, 7, 148059-148072.  | 2.6 | 65        |
| 5  | A holistic framework to utilize natural ventilation to optimize energy performance of residential high-rise buildings. Building and Environment, 2019, 153, 218-232.   | 3.0 | 63        |
| 6  | Spatial and temporal variations of spatial population accessibility to public hospitals: a case study of rural-urban comparison. GIScience and Remote Sensing, 2018, 55, 718-744.  | 2.4 | 53        |
| 7  | Developing an evacuation evaluation model for offshore oil and gas platforms using BIM and agent-based model. Automation in Construction, 2018, 89, 214-224.   | 4.8 | 51        |
| 8  | A BIM-based framework for lift planning in topsides disassembly of offshore oil and gas platforms. Automation in Construction, 2017, 79, 19-30.  | 4.8 | 45        |
| 9  | Automated Geometric Quality Inspection of Prefabricated Housing Units Using BIM and LiDAR. Remote Sensing, 2020, 12, 2492.   | 1.8 | 34        |
| 10 | BIM/GIS integration for web GIS-based bridge management. Annals of GIS, 2021, 27, 99-109.  | 1.4 | 29        |
| 11 | Optimization algorithms for construction site layout planning: a systematic literature review. Engineering, Construction and Architectural Management, 2020, 27, 1913-1938.  | 1.8 | 26        |
| 12 | Optimizing lift operations and vessel transport schedules for disassembly of multiple offshore platforms using BIM and GIS. Automation in Construction, 2018, 94, 328-339.   | 4.8 | 25        |
| 13 | BIM-supported 4D acoustics simulation approach to mitigating noise impact on maintenance workers on offshore oil and gas platforms. Automation in Construction, 2019, 100, 1-10.   | 4.8 | 18        |
| 14 | A semi-automated approach to generate 4D/5D BIM models for evaluating different offshore oil and gas platform decommissioning options. Visualization in Engineering, 2017, 5, .  | 8.8 | 17        |
| 15 | Cost and environmental impact estimation methodology and potential impact factors in offshore oil and gas platform decommissioning: A review. Environmental Impact Assessment Review, 2021, 87, 106536.                            | 4.4 | 15        |
| 16 | BIM-Based Framework for Formwork Planning Considering Potential Reuse. Journal of Management in Engineering - ASCE, 2022, 38, .  | 2.6 | 7         |
| 17 | An Economical Approach to Geo-Referencing 3D Model for Integration of BIM and GIS. , 2019, , 321-334.  |     | 0         |