

Haibo Wang

List of Publications by Year in descending order

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19
papers

336
citations

759233

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839539

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19
times ranked

150
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Evaluation of road traffic noise exposure based on high-resolution population distribution and grid-level noise data. <i>Building and Environment</i> , 2019, 147, 211-220. | 6.9 | 56 |
| 2 | Evaluation of an urban traffic Noise“Exposed population based on points of interest and noise maps: The case of Guangzhou. <i>Environmental Pollution</i> , 2018, 239, 741-750. | 7.5 | 41 |
| 3 | Evaluation of road traffic noise exposure considering differential crowd characteristics. <i>Transportation Research, Part D: Transport and Environment</i> , 2022, 105, 103250. | 6.8 | 35 |
| 4 | Dynamic modeling of traffic noise in both indoor and outdoor environments by using a ray tracing method. <i>Building and Environment</i> , 2017, 121, 225-237. | 6.9 | 24 |
| 5 | Simulation of traffic noise both indoors and outdoors based on an integrated geometric acoustics method. <i>Building and Environment</i> , 2019, 160, 106201. | 6.9 | 24 |
| 6 | Study of the traffic noise source intensity emission model and the frequency characteristics for a wet asphalt road. <i>Applied Acoustics</i> , 2017, 123, 55-63. | 3.3 | 22 |
| 7 | A modified 3D algorithm for road traffic noise attenuation calculations in large urban areas. <i>Journal of Environmental Management</i> , 2017, 196, 614-626. | 7.8 | 20 |
| 8 | Forecast and control of traffic noise based on improved UE model during road network design. <i>Applied Acoustics</i> , 2020, 170, 107529. | 3.3 | 17 |
| 9 | Calculation of Noise Barrier Insertion Loss Based on Varied Vehicle Frequencies. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 100. | 2.5 | 15 |
| 10 | A traffic-noise-map update method based on monitoring data. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 2604-2610. | 1.1 | 13 |
| 11 | Urban Traffic Noise Maps under 3D Complex Building Environments on a Supercomputer. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-10. | 1.7 | 13 |
| 12 | Simulation and Analysis of Road Traffic Noise among Urban Buildings Using Spatial Subdivision-Based Beam Tracing Method. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2491. | 2.6 | 13 |
| 13 | Accuracy and efficiency analysis of a road traffic noise propagation calculation method based on beam tracing. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2016, 35, 152-164. | 2.9 | 12 |
| 14 | Areawide dynamic traffic noise simulation in urban built-up area using beam tracing approach. <i>Sustainable Cities and Society</i> , 2017, 30, 205-216. | 10.4 | 12 |
| 15 | An optimization model for planning road networks that considers traffic noise impact. <i>Applied Acoustics</i> , 2022, 192, 108693. | 3.3 | 8 |
| 16 | Evaluation of external costs in road transport under the openness of a gated community. <i>Frontiers of Earth Science</i> , 2020, 14, 140-151. | 2.1 | 4 |
| 17 | Sound field study of a building near a roadway via the boundary element method. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2018, 37, 519-533. | 2.9 | 3 |
| 18 | Case study: Establishment of a vehicle noise emission model for gradient roads. <i>Noise Control Engineering Journal</i> , 2019, 67, 108-116. | 0.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Field Tests and Simulation of Ground and Building Vibrations Caused by Metros on an Elevated Bridge. IEEE Access, 2018, 6, 38627-38636. | 4.2 | 1 |