Yongle Li

List of Publications by Year
in descending order

135 papers	2,860 citations	186265 28 h-index	243625 44 g-index
135 all docs	135 docs citations	135 times ranked	1307 citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of long-wave deviation of stator plane on high-speed maglev train and guideway system. JVC/Journal of Vibration and Control, 2023, 29, 2348-2362.	2.6	1
2	Effect of the combined centre of gravity height on the ride comfort of suspended monorail train under crosswinds. Vehicle System Dynamics, 2023, 61, 1954-1972.	3.7	2
3	Impact coefficient analysis of track beams due to moving suspended monorail vehicles. Vehicle System Dynamics, 2022, 60, 653-669.	3.7	7
4	Dynamic effects of turbulent crosswinds on a suspended monorail vehicle–curved bridge coupled system. JVC/Journal of Vibration and Control, 2022, 28, 1135-1147.	2.6	3
5	Influence of Vehicle Inertia Force on Vertical Vibration of Long-Span Suspension Bridge under Wind and Traffic Loads. Journal of Bridge Engineering, 2022, 27, .	2.9	2
6	Aerodynamic performance of traveling road vehicles on a single-level rail-cum-road bridge under crosswind and aerodynamic impact of traveling trains. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 335-358.	3.1	8
7	Protective effect of railway bridge wind barriers on moving trains: An experimental study. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 220, 104879.	3.9	17
8	An integrated approach of vortex-induced vibration for long-span bridge with inhomogeneous cross-sections. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 222, 104942.	3.9	1
9	Dynamic Interaction Analysis of High-Speed Maglev Train and Guideway with a Control Loop Failure. International Journal of Structural Stability and Dynamics, 2022, 22, .	2.4	7
10	Dynamic amplification factor of multi-span simply supported beam bridge under traffic flow. Advances in Structural Engineering, 2022, 25, 1829-1847.	2.4	7
11	Bridge vibration under complex wind field and corresponding measurements: A review. Journal of Traffic and Transportation Engineering (English Edition), 2022, , .	4.2	1
12	General strategies for modeling joint probability density function of wind speed, wind direction and wind attack angle. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 225, 104985.	3.9	12
13	Optimized C-vine copula and environmental contour of joint wind-wave environment for sea-crossing bridges. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 225, 104989.	3.9	13
14	Stochastic Buffeting Analysis of Uncertain Long-Span Bridge Deck with an Optimized Method. Buildings, 2022, 12, 632.	3.1	3
15	Pair-Copula-based trivariate joint probability model of wind speed, wind direction and angle of attack. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 225, 105010.	3.9	14
16	Observations of periodic thermally-developed winds beside a bridge region in mountain terrain based on field measurement. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 225, 104996.	3.9	16
17	Experiments of aerodynamic admittances for moving vehicles on bridges. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 226, 105041.	3.9	3
18	Wind tunnel test on the aerodynamic admittance of a rail vehicle in crosswinds. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 226, 105052.	3.9	6

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19	An efficient short-term wind speed prediction model based on cross-channel data integration and attention mechanisms. Energy, 2022, 256, 124569.	8.8	8
20	Dynamic response of railway vehicle with aerodynamic admittance function: An optimized algorithm. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 227, 105075.	3.9	1
21	Influence of Wind Turbulence on Aerodynamic Admittances of a Streamlined Bridge Deck at Different Angles of Attack. Journal of Bridge Engineering, 2022, 27, .	2.9	4
22	Effects of Secondary Elements on Vortex-Induced Vibration of a Streamlined Box Girder. KSCE Journal of Civil Engineering, 2021, 25, 173-184.	1.9	4
23	Semi‐analytical solutions for stochastic response of non‐classically damped linear structures to arbitrary time‐frequency modulated seismic excitations. Earthquake Engineering and Structural Dynamics, 2021, 50, 1167-1186.	4.4	2
24	Experimental and numerical study on vortex-induced vibration of a truss girder with two decks. Advances in Structural Engineering, 2021, 24, 841-855.	2.4	4
25	Effects of guardrails on wind environment for vehicles and aerodynamic stability for bridges with box girders. Advances in Structural Engineering, 2021, 24, 453-469.	2.4	2
26	Efficient non-stationary random vibration analysis of vehicle-bridge system based on an improved explicit time-domain method. Engineering Structures, 2021, 231, 111786.	5.3	12
27	Aerodynamic Instability of Stay Cables with Lighting Fixtures. KSCE Journal of Civil Engineering, 2021, 25, 2508-2521.	1.9	4
28	Comparison of wind characteristics in different directions of deep-cut gorges based on field measurements. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 212, 104595.	3.9	25
29	Dynamic interaction analysis of suspended monorail vehicle and bridge subject to crosswinds. Mechanical Systems and Signal Processing, 2021, 156, 107707.	8.0	16
30	A two-step framework for stochastic dynamic analysis of uncertain vehicle-bridge system subjected to random track irregularity. Computers and Structures, 2021, 253, 106583.	4.4	4
31	Temperature analysis of steel box girder considering actual wind field. Engineering Structures, 2021, 246, 113020.	5.3	13
32	Field measurement study of wind characteristics in mountain terrain: Focusing on sudden intense winds. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 218, 104781.	3.9	18
33	Efficient structural reliability analysis based on adaptive Bayesian support vector regression. Computer Methods in Applied Mechanics and Engineering, 2021, 387, 114172.	6.6	40
34	Wind Tunnel Test on Local Wind Field around the Bridge Tower of a Truss Girder. Advances in Civil Engineering, 2021, 2021, 1-13.	0.7	3
35	Ride comfort evaluation of stochastic traffic flow crossing long-span suspension bridge experiencing vortex-induced vibration. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 219, 104794.	3.9	14
36	Effects of random winds and waves on a long-span cross-sea bridge using Bayesian regularized back propagation neural network. Advances in Structural Engineering, 2020, 23, 733-748.	2.4	13

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37	Comparison of wind characteristics at different heights of deep-cut canyon based on field measurement. Advances in Structural Engineering, 2020, 23, 219-233.	2.4	31
38	Optimization for vertical stabilizers on flutter stability of streamlined box girders with mountainous environment. Advances in Structural Engineering, 2020, 23, 205-218.	2.4	7
39	Effect of Wave Spectral Variability on Stochastic Response of a Long-Span Bridge Subjected to Random Waves during Tropical Cyclones. Journal of Bridge Engineering, 2020, 25, .	2.9	22
40	Random dynamic analysis of vertical train–bridge systems under small probability by surrogate model and subset simulation with splitting. Railway Engineering Science, 2020, 28, 305-315.	4.4	19
41	Framework of wind-traffic-bridge coupled analysis considering realistic traffic behavior and vehicle inertia force. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 205, 104322.	3.9	17
42	An exact and efficient time-domain method for random vibration analysis of linear structures subjected to uniformly modulated or fully non-stationary excitations. Journal of Sound and Vibration, 2020, 488, 115648.	3.9	8
43	Analysis of wind characteristics and wind energy potential in complex mountainous region in southwest China. Journal of Cleaner Production, 2020, 274, 123036.	9.3	26
44	Nonlinear self-excited forces and aerodynamic damping associated with vortex-induced vibration and flutter of long span bridges. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 204, 104207.	3.9	26
45	Numerical Approach of Interaction between Wave and Flexible Bridge Pier with Arbitrary Cross Section Based on Boundary Element Method. Journal of Bridge Engineering, 2020, 25, .	2.9	16
46	Multi-site measurement for energy application of small distributed wind farm in complex mountainous areas. Energy Reports, 2020, 6, 1043-1056.	5.1	10
47	Non-uniform wind characteristics in mountainous areas and effects on flutter performance of a long-span suspension bridge. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 201, 104177.	3.9	27
48	Evolution laws of distributed vortex-induced pressures and energy of a flat-closed-box girder via numerical simulation. Advances in Structural Engineering, 2020, 23, 2776-2788.	2.4	4
49	Local wind characteristics on bridge deck of twin-box girder considering wind barriers by large-scale wind tunnel tests. Natural Hazards, 2020, 103, 751-766.	3.4	11
50	Flutter Stability of a Long-Span Suspension Bridge During Erection in Mountainous Areas. International Journal of Structural Stability and Dynamics, 2020, 20, 2050102.	2.4	13
51	Vortex-Induced Vibration of a Tall Bridge Tower with Four Columns and the Wake Effects on the Nearby Suspenders. International Journal of Structural Stability and Dynamics, 2020, 20, 2050105.	2.4	9
52	Improved Continuous Wavelet Transform for Modal Parameter Identification of Long-Span Bridges. Shock and Vibration, 2020, 2020, 1-16.	0.6	5
53	Ultra-short term wind prediction with wavelet transform, deep belief network and ensemble learning. Energy Conversion and Management, 2020, 205, 112418.	9.2	75
54	Stochastic response of a cable-stayed bridge under non-stationary winds and waves using different surrogate models. Ocean Engineering, 2020, 199, 106967.	4.3	24

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55	Stochastic Response Assessment of Cross-Sea Bridges under Correlated Wind and Waves via Machine Learning. Journal of Bridge Engineering, 2020, 25, .	2.9	14
56	Aerodynamics of High-Sided Vehicles on Truss Girder Considering Sheltering Effect by Wind Tunnel Tests. Baltic Journal of Road and Bridge Engineering, 2020, 15, 66-88.	0.8	13
57	Vehicle–bridge coupling dynamic response of sea-crossing railway bridge under correlated wind and wave conditions. Advances in Structural Engineering, 2019, 22, 893-906.	2.4	31
58	Extreme Response of a Sea-Crossing Bridge Tower under Correlated Wind and Waves. Journal of Aerospace Engineering, 2019, 32, .	1.4	10
59	Aerodynamic Effects of Viaduct-Cutting Connection Section on High-Speed Railway by Wind Tunnel Tests. Journal of Aerospace Engineering, 2019, 32, .	1.4	6
60	Frequency domain dynamic analyses of freestanding bridge pylon under wind and waves using a copula model. Ocean Engineering, 2019, 183, 359-371.	4.3	23
61	Wake Effect of a Horizontal Axis Wind Turbine on the Performance of a Downstream Turbine. Energies, 2019, 12, 2395.	3.1	23
62	An advanced algorithm to study the effect of uncertainties on the stochastic performance of high-pier bridge under earthquake. Soil Dynamics and Earthquake Engineering, 2019, 126, 105805.	3.8	7
63	Improvement on Structural Forms of Pile Group Foundations of Deepwater Bridges. Shock and Vibration, 2019, 2019, 1-15.	0.6	1
64	Investigation of flutter performance of a twin-box bridge girder at large angles of attack. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 186, 192-203.	3.9	41
65	Numerical study on the stochastic response of a long-span sea-crossing bridge subjected to extreme nonlinear wave loads. Engineering Structures, 2019, 196, 109287.	5.3	51
66	An advanced pseudo excitation method and application in analyzing stochastic wind-induced response of slender bridge tower. Advances in Structural Engineering, 2019, 22, 2021-2032.	2.4	12
67	Wind characteristics along a bridge catwalk in a deep-cutting gorge from field measurements. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 186, 94-104.	3.9	59
68	The Case Study of Pseudoexcitation Method Combining Self-Adaptive Gauss Integration in Random Vibration Analysis. Shock and Vibration, 2019, 2019, 1-11.	0.6	0
69	Driving risk of road vehicle shielded by bridge tower under strong crosswind. Natural Hazards, 2019, 96, 497-519.	3.4	11
70	An efficient Cholesky decomposition and applications for the simulation of large-scale random wind velocity fields. Advances in Structural Engineering, 2019, 22, 1255-1265.	2.4	5
71	Data mining-assisted short-term wind speed forecasting by wavelet packet decomposition and Elman neural network. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 175, 136-143.	3.9	80
72	Assessment of overturning risk of high-speed trains in strong crosswinds using spectral analysis approach. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 174, 103-118.	3.9	34

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73	Effects of wind fairing angle on aerodynamic characteristics and dynamic responses of a streamlined trapezoidal box girder. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 177, 69-78.	3.9	27
74	Flutter performance and aerodynamic mechanism of plate with central stabilizer at large angles of attack. Advances in Structural Engineering, 2018, 21, 335-346.	2.4	11
75	Estimation of the significant wave height in the nearshore using prediction equations based on the Response Surface Method. Ocean Engineering, 2018, 153, 143-153.	4.3	17
76	Numerical Simulation of Wind Fields at the Bridge Site in Mountain-Gorge Terrain Considering an Updated Curved Boundary Transition Section. Journal of Aerospace Engineering, 2018, 31, .	1.4	13
77	Improved Spectral Representation Method for the Simulation of Stochastic Wind Velocity Field Based on FFT Algorithm and Polynomial Decomposition. Journal of Engineering Mechanics - ASCE, 2018, 144, 04017171.	2.9	4
78	An interactive method for the analysis of the simulation of vehicle–bridge coupling vibration using ANSYS and SIMPACK. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 663-679.	2.0	31
79	Flutter performance of long-span suspension bridges under non-uniform inflow. Advances in Structural Engineering, 2018, 21, 201-213.	2.4	8
80	Numerical simulation of wave conditions in nearshore island area for sea-crossing bridge using spectral wave model. Advances in Structural Engineering, 2018, 21, 756-768.	2.4	18
81	Numerical simulation of wind characteristics at bridge site considering thermal effects. Advances in Structural Engineering, 2018, 21, 1313-1326.	2.4	14
82	Flutter performance optimization of steel truss girder with double-decks by wind tunnel tests. Advances in Structural Engineering, 2018, 21, 906-917.	2.4	12
83	Wind loads of moving vehicle on bridge with solid wind barrier. Engineering Structures, 2018, 156, 188-196.	5.3	40
84	Numerical study on surface distributed vortex-induced force on a flat-steel-box girder. Engineering Applications of Computational Fluid Mechanics, 2018, 12, 41-56.	3.1	10
85	A novel framework for wind speed prediction based on recurrent neural networks and support vector machine. Energy Conversion and Management, 2018, 178, 137-145.	9.2	139
86	Road Vehicle-Bridge Interaction considering Varied Vehicle Speed Based on Convenient Combination of Simulink and ANSYS. Shock and Vibration, 2018, 2018, 1-14.	0.6	5
87	Assessment of random wave pressure on the construction cofferdam for sea-crossing bridges under tropical cyclone. Ocean Engineering, 2018, 160, 335-345.	4.3	23
88	An adaptive surrogate model based on support vector regression and its application to the optimization of railway wind barriers. Structural and Multidisciplinary Optimization, 2017, 55, 701-713.	3.5	52
89	A wind tunnel test method on aerodynamic characteristics of moving vehicles under crosswinds. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 163, 15-23.	3.9	52
90	Investigation of the longitudinal wind power spectra at the gorge terrain. Advances in Structural Engineering, 2017, 20, 1768-1783.	2.4	9

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91	Comparative study on three new hybrid models using Elman Neural Network and Empirical Mode Decomposition based technologies improved by Singular Spectrum Analysis for hour-ahead wind speed forecasting. Energy Conversion and Management, 2017, 147, 75-85.	9.2	102
92	Vortex-induced vibration of suspenders in the wake of bridge tower by numerical simulation and wind tunnel test. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 164, 164-173.	3.9	25
93	Wind characteristics at bridge site in a deep-cutting gorge by wind tunnel test. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 160, 30-46.	3.9	61
94	Wind tunnel tests on the characteristics of wind fields over a simplified gorge. Advances in Structural Engineering, 2017, 20, 1599-1611.	2.4	5
95	Simulation of non-stationary wind velocity field on bridges based on Taylor series. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 169, 117-127.	3.9	31
96	Aerodynamic optimization for flutter performance of steel truss stiffening girder at large angles of attack. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 168, 260-270.	3.9	31
97	An improved Wavelet Transform using Singular Spectrum Analysis for wind speed forecasting based on Elman Neural Network. Energy Conversion and Management, 2017, 148, 895-904.	9.2	129
98	Wind tunnel test and numerical simulation of wind characteristics at a bridge site in mountainous terrain. Advances in Structural Engineering, 2017, 20, 1223-1231.	2.4	34
99	Excitation mechanism of rain–wind induced cable vibration in a wind tunnel. Journal of Fluids and Structures, 2017, 68, 32-47.	3.4	48
100	Dynamic Reliability Evaluation of Road Vehicle Subjected to Turbulent Crosswinds Based on Monte Carlo Simulation. Shock and Vibration, 2017, 2017, 1-12.	0.6	2
101	Wind tunnel tests on flow fields of full-scale railway wind barriers. Wind and Structures, an International Journal, 2017, 24, 171-184.	0.8	11
102	Flutter performance of central-slotted plate at large angles of attack. Wind and Structures, an International Journal, 2017, 24, 447-464.	0.8	11
103	A Case Study of Dynamic Response Analysis and Safety Assessment for a Suspended Monorail System. International Journal of Environmental Research and Public Health, 2016, 13, 1121.	2.6	44
104	Mechanism and effects of snow accumulations and controls by lightweight snow fences. Journal of Modern Transportation, 2016, 24, 261-269.	2.5	8
105	An efficient simulation method for vertically distributed stochastic wind velocity field based on approximate piecewise wind spectrum. Journal of Wind Engineering and Industrial Aerodynamics, 2016, 151, 48-59.	3.9	18
106	Numerical simulations of the mean wind speeds and turbulence intensities over simplified gorges using the SST k-ω turbulence model. Engineering Applications of Computational Fluid Mechanics, 2016, 10, 359-372.	3.1	31
107	Effects of fundamental factors on coupled vibration of wind-rail vehicle-bridge system for long-span cable-stayed bridge. Journal of Central South University, 2016, 23, 1264-1272.	3.0	14
108	Nonlinear Safety Analysis of a Running Road Vehicle under a Sudden Crosswind. Journal of Transportation Engineering, 2016, 142, .	0.9	8

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109	Dynamic Response of Railway Vehicles Running on Long-Span Cable-Stayed Bridge Under Uniform Seismic Excitations. International Journal of Structural Stability and Dynamics, 2016, 16, 1550005.	2.4	24
110	Measurement of rivulet movement and thickness on inclined cable using videogrammetry. Smart Structures and Systems, 2016, 18, 485-500.	1.9	7
111	Impact Coefficient Analysis of Long-Span Railway Cable-Stayed Bridge Based on Coupled Vehicle-Bridge Vibration. Shock and Vibration, 2015, 2015, 1-9.	0.6	10
112	Running Safety of Trains under Vessel-Bridge Collision. Shock and Vibration, 2015, 2015, 1-11.	0.6	2
113	Study on the role of rivulet in rain–wind-induced cable vibration through wind tunnel testing. Journal of Fluids and Structures, 2015, 59, 316-327.	3.4	26
114	Numerical simulation of the protective effect of railway wind barriers under crosswinds. International Journal of Rail Transportation, 2015, 3, 151-163.	2.7	18
115	Vertical dynamic response of the ballastless track on long-span plate-truss cable-stayed bridges. Science China Technological Sciences, 2015, 58, 236-247.	4.0	13
116	Effects of wind barrier on the safety of vehicles driven on bridges. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 143, 113-127.	3.9	56
117	Measurement of rivulet movement on inclined cables during rain–wind induced vibration. Sensors and Actuators A: Physical, 2015, 230, 17-24.	4.1	19
118	The impact of artificial discrete simulation of wind field on vehicle running performance. Wind and Structures, an International Journal, 2015, 20, 169-189.	0.8	9
119	Aerodynamic interaction between static vehicles and wind barriers on railway bridges exposed to crosswinds. Wind and Structures, an International Journal, 2015, 20, 237-247.	0.8	17
120	Protection Effect of Railway Wind Barrier on Running Safety of Train under Cross Winds. Advances in Structural Engineering, 2014, 17, 1177-1187.	2.4	34
121	Control of Seismic Response of a Building Frame by Using Hybrid System with Magnetorheological Dampers and Isolators. Advances in Structural Engineering, 2014, 17, 1199-1215.	2.4	17
122	Crosswind Effect Studies on Road Vehicle Passing by Bridge Tower using Computational Fluid Dynamics. Engineering Applications of Computational Fluid Mechanics, 2014, 8, 330-344.	3.1	15
123	Wind spectrum and correlation characteristics relative to vehicles moving through cross wind field. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 133, 92-100.	3.9	26
124	A new simulation algorithm of multivariate short-term stochastic wind velocity field based on inverse fast Fourier transform. Engineering Structures, 2014, 80, 251-259.	5.3	29
125	Analysis of Rain-Wind Induced Cable Vibration Using Spatially Measured Aerodynamic Coefficients. Advances in Structural Engineering, 2014, 17, 961-977.	2.4	4
126	Aerostatic and buffeting response characteristics of catwalk in a long-span suspension bridge. Wind and Structures, an International Journal, 2014, 19, 665-686.	0.8	8

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127	Determination of Aerodynamic Forces on Stationary/Moving Vehicle-Bridge Deck System Under Crosswinds using Computational Fluid Dynamics. Engineering Applications of Computational Fluid Mechanics, 2013, 7, 355-368.	3.1	14
128	Dynamic Analysis of Wind-Vehicle-Bridge Coupling System during the Meeting of Two Trains. Advances in Structural Engineering, 2013, 16, 1663-1670.	2.4	32
129	Wind Tunnel Study of a Sudden Change of Train Wind Loads due to the Wind Shielding Effects of Bridge Towers and Passing Trains. Journal of Engineering Mechanics - ASCE, 2013, 139, 1249-1259.	2.9	38
130	Seismic response analysis of road vehicle-bridge system for continuous rigid frame bridges with high piers. Earthquake Engineering and Engineering Vibration, 2012, 11, 593-602.	2.3	13
131	Dynamics of wind–rail vehicle–bridge systems. Journal of Wind Engineering and Industrial Aerodynamics, 2005, 93, 483-507.	3.9	171
132	Simplifying the simulation of stochastic wind velocity fields for long cable-stayed bridges. Computers and Structures, 2004, 82, 1591-1598.	4.4	51
133	Weighting ensemble least-square method for flutter derivatives of bridge decks. Journal of Wind Engineering and Industrial Aerodynamics, 2003, 91, 713-721.	3.9	27
134	An advanced particle swarm optimization algorithm and its application to search flutter critical velocity of bridges. Advances in Structural Engineering, 0, , 136943322210926.	2.4	1
135	Field measurement of wind shielding effect of bridge tower for wind-vehicle-bridge system. Advances in Structural Engineering, 0, , 136943322210866.	2.4	0