

- Aminullah, A. (2024). *Implementasi SHMS dan IT pada Jembatan di Indonesia*. Departemen Teknik Sipil dan Lingkungan, Fakultas Teknik, Universitas Gadjah Mada. <https://ft.ugm.ac.id>
- Badan Meteorologi, K., dan Geofisika (BMKG). (2025). *BMKG DataOnline Portal*. <https://dataonline.bmkg.go.id/dataonline-home>
- Badan Pusat Statistik Provinsi Maluku. (2024). *Provinsi Maluku Dalam Angka 2024* (Nos. 978-602-438-123-3). Badan Pusat Statistik (BPS) Provinsi Maluku. <https://maluku.bps.go.id>
- Badan Standardisasi Nasional (BSN). (2016). *SNI 1725:2016 Pembebanan untuk Jembatan*. <https://www.bsn.go.id/>
- Bai, H., Li, R., Xu, G., & Kareem, A. (2021). Aerodynamic performance of Π -shaped composite deck cable-stayed bridges including VIV mitigation measures. *Journal of Wind Engineering and Industrial Aerodynamics*, 208, 104451. <https://doi.org/10.1016/j.jweia.2020.104451>
- BRITISH STANDARD. (2005). *Eurocode 1: Actions on structures* (hlm. Part 1-4: General actions-Wind actions, Committee for 357 Standardization, 3).
- Chen, Z., Lin, Z., Tang, H., Li, Y., & Wang, B. (2019). Wake effects of an upstream bridge on aerodynamic characteristics of a downstream bridge. *Wind and Structures, An International Journal*, 29(6), 417–430. Scopus. <https://doi.org/10.12989/was.2019.29.6.417>
- Chen, Z., Sun, Y., Liu, Q., Zhang, L., & Zheng, Y. (2024). Experimental study on the aerodynamic force and vibration of a scratched stay cable perpendicular to the wind. *Journal of Wind Engineering and Industrial Aerodynamics*, 255. Scopus. <https://doi.org/10.1016/j.jweia.2024.105957>
- Cheng, J., & Dong, F. (2016). A simplified method for free vibration analysis of cable-stayed bridges. *International Journal of Steel Structures*, 16(1), 151–162. Scopus. <https://doi.org/10.1007/s13296-016-3012-1>
- Cheng, J., Jiang, J., Xiao, R., & Xiang, H. (2003). Aerostatic stability of long-span cable-stayed bridges: Parametric study. *Tsinghua Science and Technology*, 8(2), 201–205. Scopus.
- Cid Montoya, M., Hernández, S., Kareem, A., & Nieto, F. (2021). Efficient modal-based method for analyzing nonlinear aerostatic stability of long-span bridges. *Engineering Structures*, 244, 112556. <https://doi.org/10.1016/j.engstruct.2021.112556>
- Corriols, A. S., & Morgenthal, G. (2014). Vortex-induced vibrations on cross sections in tandem arrangement. *Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)*, 24(1), 20–26. Scopus. <https://doi.org/10.2749/101686614X13830788505603>



- Costa, L. M. F., Montiel, J. E. S., Corrêa, L., Lofrano, F. C., Nakao, O. S., & Kurokawa, F. A. (2022). Influence of standard $k-\varepsilon$, SST $k-\omega$ and LES turbulence models on the numerical assessment of a suspension bridge deck aerodynamic behavior. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 44(8). Scopus. <https://doi.org/10.1007/s40430-022-03653-1>
- Deng, Z., Tang, H., Li, Y., Huang, J., Wang, Y., & Lin, T. (2020). Experimental research on the wind-induced vibration of stay cables with lighting fixtures. *Zhendong yu Chongji/Journal of Vibration and Shock*, 39(6), 44-50and73. Scopus. <https://doi.org/10.13465/j.cnki.jvs.2020.06.007>
- Departemen Pekerjaan Umum. (2012). *Independent Proof Check Design Jembatan Cable Stayed Galala—Poka di Provinsi Maluku*. Departemen Pekerjaan Umum.
- Du, X.-Q., & Gu, M. (2010). Wind pressure distribution and aerodynamic characteristic of stay cable in the critical Reynolds number regime. *Kongqi Donglixue Xuebao/Acta Aerodynamica Sinica*, 28(6), 639–644. Scopus.
- Duranović, M., Dempsey, A., & Meskell, C. (2025). Computational fluid dynamics as an early aerodynamic design tool for a typical bluff bridge deck. *Proceedings of the Institution of Civil Engineers: Bridge Engineering*. Scopus. <https://doi.org/10.1680/jbren.24.00023>
- Flamand, O., De Oliveira, F., Stathopoulos-Vlamiş, A., & Papanikolas, P. (2014). Conditions for occurrence of vortex shedding on a large cable stayed bridge: Full scale data from monitoring system. *Journal of Wind Engineering and Industrial Aerodynamics*, 135, 163–169. <https://doi.org/10.1016/j.jweia.2014.07.011>
- Gao, G., Du, W., Yan, X., Xie, Y., Bai, H., Fu, B., & Yang, X. (2025). Revisiting nonlinear static wind analysis of flexible cable-stayed bridges: The role of cable-girder anchorage eccentricity. *Structures*, 79. Scopus. <https://doi.org/10.1016/j.istruc.2025.109540>
- Google Maps. (2025). *Jembatan Merah Putih (Google Maps Location)*. <https://www.google.com/maps/place/Jembatan+Merah+Putih>
- Grinderslev, C., Lubek, M., & Zhang, Z. (2018). Nonlinear fluid-structure interaction of bridge deck: CFD analysis and semi-analytical modeling. *Wind and Structures, An International Journal*, 27(6), 381–397. Scopus. <https://doi.org/10.12989/was.2018.27.6.381>
- Gui, S., Lei, M., Chen, S., & Lu, X. (2023). Analysis of Influence of Structural Parameters on Dynamic and Static Characteristics of Extradosed Cable-stayed Bridge. *Shenyang Jianzhu Daxue Xuebao (Ziran Kexue Ban)/Journal of Shenyang Jianzhu University (Natural Science)*, 39(1), 79–87. Scopus. <https://doi.org/10.11717/j.issn:2095-1922.2023.01.10>
- Guo, H., Liu, X., & Zhao, X. (2016). *Parametric study on hutong highway and railway bridge*. 2464–2471. Scopus. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018970767&partnerID=40&md5=18cbb6855b60bb18f409a15a6503fcb>
- Han, W., Ma, L., Cai, C. S., Chen, S., & Wu, J. (2015). Nonlinear dynamic performance of long-span cable-stayed bridge under traffic and wind. *Wind and Structures, An*

- Hu, C., Zhou, Z., & Yan, K. (2019). Aerostatic instability mechanism of a cable-stayed bridge with double main spans of 1 500 m. *Zhendong yu Chongji/Journal of Vibration and Shock*, 38(23), 110–118. Scopus. <https://doi.org/10.13465/j.cnki.jvs.2019.23.016>
- Hu, C., Zhou, Z., & Yan, K. (2020). Wind-Induced Stability of a Cable-Stayed Bridge with Double Main Spans of 1,500 m and a Twin-Box Section. *Journal of Bridge Engineering*, 25(1). Scopus. [https://doi.org/10.1061/\(ASCE\)BE.1943-5592.0001501](https://doi.org/10.1061/(ASCE)BE.1943-5592.0001501)
- Hu, P., Han, Y., Cheng, W., Xu, G., & Cai, C. S. (2020). Effects of Inhomogeneous Wind Fields on the Aerostatic Stability of a Long-Span Cable-Stayed Bridge Located in a Mountain-Gorge Terrain. *Journal of Aerospace Engineering*, 33(3). Scopus. [https://doi.org/10.1061/\(ASCE\)AS.1943-5525.0001117](https://doi.org/10.1061/(ASCE)AS.1943-5525.0001117)
- Jacob, M. (2022). Modal analysis of an RCC long span arch bridge using midas Civil—A validation. *Materials Today: Proceedings*, 57, 460–463. Scopus. <https://doi.org/10.1016/j.matpr.2022.01.185>
- Jorquera-Lucerga, J. J., Lozano-Galant, J. A., & Turmo, J. (2016). Structural behavior of non-symmetrical steel cable-stayed bridges. *Steel and Composite Structures*, 20(2), 447–468. Scopus. <https://doi.org/10.12989/SCS.2016.20.2.447>
- Jorquera-Lucerga, J. J., Lozano-Galant, J. A., & Turmo, J. (2017). *Parametric simulation of non-symmetric cable-stayed bridges*. 109, 777–784. Scopus. <https://doi.org/10.2749/vancouver.2017.0777>
- Jung, H., Kim, G., Oh, J., & Park, J. (2019). Design criteria for impact factors based on dynamic on-site data in railway bridges. *Structure and Infrastructure Engineering*, 15(4), 484–491. Scopus. <https://doi.org/10.1080/15732479.2018.1562476>
- Jung, H., Kim, G., & Park, C. (2013). Impact factors of bridges based on natural frequency for various superstructure types. *KSCE Journal of Civil Engineering*, 17(2), 458–464. Scopus. <https://doi.org/10.1007/s12205-013-1760-4>
- Kao, C.-S., Kou, C.-H., & Xie, X. (2006). Static instability analysis of long-span cable-stayed bridges with carbon fiber composite cable under wind load. *Tamkang Journal of Science and Engineering*, 9(2), 89–95. Scopus.
- Karimi, F., Akbari, R., & Maalek, S. (2019). Assessment of the fundamental natural frequency of bridge decks. *Asian Journal of Civil Engineering*, 20(7), 933–948. Scopus. <https://doi.org/10.1007/s42107-019-00155-9>
- Karimi, F., Akbari, R., & Maalek, S. (2022). A Simple Conceptual Model for Estimating the First Bending Natural Frequency of Bridge Superstructures. *Shock and Vibration*, 2022. Scopus. <https://doi.org/10.1155/2022/1202384>
- Kavrakov, I., & Morgenthal, G. (2018). A synergistic study of a CFD and semi-analytical models for aeroelastic analysis of bridges in turbulent wind conditions. *Journal of Fluids and Structures*, 82, 59–85. Scopus. <https://doi.org/10.1016/j.jfluidstructs.2018.06.013>

- Kawashima, K., Unjoh, S., & Tsunomoto, M. (1991). Damping characteristics of cable stayed bridges for seismic design. *Journal of Research, Japan*, 27.
- Keerthana, M., & Harikrishna, P. (2013). Application of CFD for assessment of galloping stability of rectangular and H-sections. *Journal of Scientific and Industrial Research*, 72(7), 419–427. Scopus.
- Kementerian Pekerjaan Umum dan Perumahan Rakyat. (2015). *Pedoman Perencanaan Teknis Jembatan Beruji Kabel, sesuai Surat Edaran No. 08/SE/M/2015*. <https://binamarga.pu.go.id/index.php/nspk/detail/pedoman-perencanaan-teknis-jembatan-beruji-kabel>
- Kementerian Pekerjaan Umum dan Perumahan Rakyat. (2020). *Jembatan Merah Putih*. Direktorat Jenderal Bina Marga.
- Kementerian Pekerjaan Umum dan Perumahan Rakyat. (2022). *02/P/BM/2022 Pedoman Pembahasan Penyelenggaraan Keamanan Jembatan Khusus*. <https://binamarga.pu.go.id/index.php/nspk/detail/02pbm2022-pedoman-pembahasan-penyelenggaraan-keamanan-jembatan-khusus>
- Kim, B.-C., & Yhim, S.-S. (2014). Buffeting analysis of a cable-stayed bridge using three-dimensional computational fluid dynamics. *Journal of Bridge Engineering*, 19(11). Scopus. [https://doi.org/10.1061/\(ASCE\)BE.1943-5592.0000618](https://doi.org/10.1061/(ASCE)BE.1943-5592.0000618)
- Kim, Y. M., Kwak, Y. H., Choi, M. S., Lee, J. J., & Cho, K. S. (2011). Wind Engineering on the New Millennium Bridge in South Korea. *The Proceedings of the Twelfth East Asia-Pacific Conference on Structural Engineering and Construction*, 14, 1472–1479. <https://doi.org/10.1016/j.proeng.2011.07.185>
- Lautan J. W. N, Aminullah, A., & Siswosukarto, S. (2019). *EVALUASI STRUCTURAL HEALTH MONITORING SYSTEM PADA JEMBATAN CABLE-STAYED DOUBLE-PYLON (STUDI KASUS: JEMBATAN MERAH-PUTIH)* [Universitas Gadjah Mada]. <https://etd.repository.ugm.ac.id/penelitian/detail/170749>
- Lee, S.-Y., & Yhim, S.-S. (2011). Wind-induced vibration of long-span cable-stayed bridges during construction considering an initial static equilibrium state. *KSCSE Journal of Civil Engineering*, 15(5), 849–857. Scopus. <https://doi.org/10.1007/s12205-011-0981-7>
- Li, H.-Y., Xu, Y.-L., Liao, H.-L., Huang, L., & Wang, Q. (2025). Digital twin-driven method for determining wind force coefficients of a bridge deck section. *Engineering Applications of Computational Fluid Mechanics*, 19(1). Scopus. <https://doi.org/10.1080/19942060.2025.2501389>
- Li, H.-Y., Xu, Y.-L., Wang, B., Zhu, L.-D., Meng, X.-L., & Zhang, G.-Q. (2024). Establishment and application of a digital twin for vortex-induced vibration of a bridge deck section. *Engineering Applications of Computational Fluid Mechanics*, 18(1). Scopus. <https://doi.org/10.1080/19942060.2023.2297032>
- Li, P.-F., Wang, Y.-F., Liu, B.-D., & Su, L. (2014). Damping properties of highway bridges in China. *Journal of Bridge Engineering*, 19(5). Scopus. [https://doi.org/10.1061/\(ASCE\)BE.1943-5592.0000578](https://doi.org/10.1061/(ASCE)BE.1943-5592.0000578)



- Li, Y., Wu, M., Chen, X., Wang, T., & Liao, H. (2013). Wind-tunnel study of wake galloping of parallel cables on cable-stayed bridges and its suppression. *Wind and Structures, An International Journal*, 16(3), 249–261. Scopus. <https://doi.org/10.12989/was.2013.16.3.249>
- Lin, P., Zhou, S., Liu, F., & Zhang, Y. (2006). Study on dynamic characteristic parameter of an extradosed cable-stayed bridge with single cable plane. *Zhendong yu Chongji/Journal of Vibration and Shock*, 25(6), 150–153. Scopus.
- Lin, Y.-Y., Cheng, C.-M., Wu, J.-C., Lan, T.-L., & Wu, K.-T. (2005). Effects of deck shape and oncoming turbulence on bridge aerodynamics. *Tamkang Journal of Science and Engineering*, 8(1), 43–56. Scopus.
- Liu, H., Chen, B., Feng, Z.-R., & Bai, Y.-H. (2015). Investigation on the effects of deck thickness on dynamic properties of a cable-stayed footbridge. *Wuhan Ligong Daxue Xuebao/Journal of Wuhan University of Technology*, 37(11), 61–66. Scopus. <https://doi.org/10.3963/j.issn.1671-4431.2015.11.012>
- Liu, Q., Wang, X., Zhang, L., Jia, Y., Ma, W., & Liu, X. (2019). Study on aerodynamic performance of non-circular cross-sectional cable-stayed cables by wind tunnel test. *Tumu Gongcheng Xuebao/China Civil Engineering Journal*, 52(8), 62–71. Scopus.
- Mao, J.-X., Wang, H., Feng, D.-M., Tao, T.-Y., & Zheng, W.-Z. (2018). Investigation of dynamic properties of long-span cable-stayed bridges based on one-year monitoring data under normal operating condition. *Structural Control and Health Monitoring*, 25(5). Scopus. <https://doi.org/10.1002/stc.2146>
- Matteoni, G., & Georgakis, C. T. (2012). Effects of bridge cable surface roughness and cross-sectional distortion on aerodynamic force coefficients. *Journal of Wind Engineering and Industrial Aerodynamics*, 104–106, 176–187. Scopus. <https://doi.org/10.1016/j.jweia.2012.02.029>
- Matteoni, G., & Georgakis, C. T. (2013). *Effects of surface roughness and cross-sectional distortions on the wind-induced response of bridge cables in dry conditions*. 6th European and African Conference on Wind Engineering, EACWE 2013. Scopus. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84923875772&partnerID=40&md5=84ce59aba6608d4fa3134c7bb3f9732a>
- Matteoni, G., & Georgakis, C. T. (2015). Effects of surface roughness and cross-sectional distortion on the wind-induced response of bridge cables in dry conditions. *Journal of Wind Engineering and Industrial Aerodynamics*, 136, 89–100. Scopus. <https://doi.org/10.1016/j.jweia.2014.11.003>
- Michaltsos, G. T., Raftoyiannis, I. G., & Konstantakopoulos, T. G. (2008). Dynamic stability of cable-stayed bridge pylons. *International Journal of Structural Stability and Dynamics*, 8(4), 627–643. Scopus. <https://doi.org/10.1142/S021945540800282X>
- Mishra, S. S., Kumar, K., & Krishna, P. (2006). Aerostatic response of a super long span cable-stayed bridge. *Journal of the Institution of Engineers (India): Civil Engineering Division*, 87(NOV.), 3–7. Scopus.

- Morgenthal, G. (2010). *Aerodynamic behaviour of very long cable-stayed bridges during construction*. 292–293. Scopus. <https://doi.org/10.2749/222137810796024592>
- Nair, S. R., & Nair, S. R. (2018). Experimental validation of a new prototype for bridge to resist aerodynamic forces. *International Journal of Civil Engineering and Technology*, 9(4), 1237–1245. Scopus.
- Nariman, N. A. (2017). Aerodynamic stability parameters optimization and global sensitivity analysis for a cable stayed Bridge. *KSCE Journal of Civil Engineering*, 21(5), 1866–1881. Scopus. <https://doi.org/10.1007/s12205-016-0962-y>
- Ohorella, S., & Harsoyo, H. (2018). ANALISIS KESTABILAN CABLE STAYED BRIDGE AKIBAT PENGARUH RASIO LEBAR TERHADAP BENTANG JEMBATAN. *Teknisia*, 22(2), 359–371.
- Qi, T.-D., Wang, F., & Yang, Y. (2019). *Study on length of cable-free zone of cable-stayed bridge in mountainous area under live load*. 103–106. Scopus. <https://doi.org/10.1109/ICMTMA.2019.00029>
- Qian, C., Zhu, L., Zhu, Q., Ding, Q., & Yan, L. (2022). Pattern and mechanism of wind-induced static instability of super-long-span cable-stayed bridge under large deformation. *Journal of Wind Engineering and Industrial Aerodynamics*, 221. Scopus. <https://doi.org/10.1016/j.jweia.2022.104910>
- Rocchi, D., Argentini, T., & Sbroisi, M. (2015). Pressure distribution and global forces on a bridge deck section: Experimental and CFD analysis of static aerodynamic forces. *Journal of Bridge Engineering*, 20(9). Scopus. [https://doi.org/10.1061/\(ASCE\)BE.1943-5592.0000695](https://doi.org/10.1061/(ASCE)BE.1943-5592.0000695)
- Romo, J. (2015). *Four spans continuous cable stayed bridges without extra cables*. 401–408. Scopus. <https://doi.org/10.1201/b18567-52>
- Roy, A. K., Yadav, H., Dasu, S. C., Kumar, P., & Chanotra, A. (2023). Wind responses on twin box girder bridge deck using a fluid–structure interaction approach. *Asian Journal of Civil Engineering*, 24(8), 2959–2972. Scopus. <https://doi.org/10.1007/s42107-023-00687-1>
- Saeed Ayad, T., Delan, Y., & Liangliang, Z. (2013). *Wind tunnel sectional model study on the Hongyancun bridge under service stage*. 478–483. Scopus. https://doi.org/10.3850/978-981-07-8012-8_P6
- Sánchez-García, R., & Gómez-Martínez, R. (2021). *Longitudinal response of a cable-stayed bridge to wind loads using fluid-structure interaction simulations*. 1023–1030. Scopus. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119063678&partnerID=40&md5=9e7c5858f50e86205a68737a5ec8ad1c>
- Santoso, H. T., Hidayatiningrum, L. F., Utomo, A. B., Hartono, J., & -, M. (2021). ANALISA KORELASI ANTARA FREKUENSI DENGAN BENTANG JEMBATAN BERDASARKAN UJI DINAMIK. *Jurnal Jalan Jembatan*, 38(1), 59–71.
- Scanlan Robert H. & Tomko John J. (1971). Airfoil and Bridge Deck Flutter Derivatives. *Journal of the Engineering Mechanics Division*, 97(6), 1717–1737. <https://doi.org/10.1061/JMCEA3.0001526>



- Shao, J., Shang, T., Wang, J., Liu, W., Liu, X., & Wang, L. (2023). *Dynamic Measurement of Cable Force Using Vibration Frequency Detection Method*. 37, 219–223. Scopus. <https://doi.org/10.3233/ATDE230142>
- Soltys, R., Tomko, M., & Kmet, S. (2017). *Numerical method for buffeting simulation of cable-supported bridges in time-domain*. 9th Asia Pacific Conference on Wind Engineering, APCWE 2017. Scopus. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085672811&partnerID=40&md5=cb9d59566fc9f40d2aff5c87bf1979e2>
- Song, Y., Ti, Z., & Li, Y. (2023). An efficient two-stage hybrid framework to evaluate vortex-induced vibration for bridge deck based on divergent vibration. *Journal of Wind Engineering and Industrial Aerodynamics*, 233. Scopus. <https://doi.org/10.1016/j.jweia.2023.105316>
- Suangga, M., Candra, H., Hidayat, I., & Yuliasuti. (2019). Temperature effect on tension force of stay cable of cable-stayed bridge. *International Journal of Engineering and Advanced Technology*, 9(1), 2251–2257. <https://doi.org/10.35940/ijeat.A9724.109119>
- Supriyadi, B., & Muntohar, A.S. (2007). *Jembatan*. Beta Offset.
- Supriyadi, B., Siswosukarto, S., Masagala, A. A., & Hadjoh, I. E. S. (2017). *The Effect of Deck Width Addition Toward Stability of Cable Stayed Bridge: Case Study of Siak Sri Indrapura Bridge, Riau*. 103. Scopus. <https://doi.org/10.1051/mateconf/201710309010>
- Tadeu, A., Marques da Silva, F., Ramezani, B., Romero, A., Škerget, L., & Bandeira, F. (2022). Experimental and numerical evaluation of the wind load on the 516 Arouca pedestrian suspension bridge. *Journal of Wind Engineering and Industrial Aerodynamics*, 220. Scopus. <https://doi.org/10.1016/j.jweia.2021.104837>
- Tan, H., Wei, J., Zeng, Y., Zeng, Y., & Zheng, H. (2024). Dynamic characteristics of bridges with short pylons and outwardly inclined cable planes. *Proceedings of the Institution of Civil Engineers: Bridge Engineering*. Scopus. <https://doi.org/10.1680/jbren.22.00043>
- Velazquez, A., & Chowdhury, A. (2023). *Aeroelastic parameters of cable suspended bridges via computational fluid dynamics*. 2953(1). Scopus. <https://doi.org/10.1063/5.0177721>
- Walther, R. (1999). *Cable Stayed Bridges*. London :Thomas Telford.
- Wang, H. (2019). *Computational Fluid Dynamics Simulation of Rain-Wind-Induced Vibration of Stay Cables* [The City College of New York, City University of New York (CUNY)]. https://academicworks.cuny.edu/cc_etds_theses/872
- Wang, H., Qin, S., & Tan, Y. (2012). Analysis of Wind Stability of Cable-stayed Bridge with Single Cable Plane. *Przeglad Elektrotechniczny*, 88, 22–24.
- Wang, W. (2009). Parametric investigation of dynamic property of truss cable-stayed bridges. *Wuhan Ligong Daxue Xuebao/Journal of Wuhan University of Technology*, 31(20), 73–77. Scopus. <https://doi.org/10.3963/j.issn.1671-4431.2009.20.020>
- Won, J.-H., Yoon, J.-H., Park, S.-J., & Kim, S.-H. (2008). Effects of partially earth-anchored cable system on dynamic wind response of cable-stayed bridges. *Wind and Structures*,

- Wu, Q.-X., Wang, W.-P., & Chen, B.-C. (2017). Natural vibration analysis of multi-cables-stayed beam structures. *Gongcheng Lixue/Engineering Mechanics*, 34(1), 109–116. Scopus. <https://doi.org/10.6052/j.issn.1000-4750.2015.04.0326>
- Xu, F., & Zhang, Z. (2017). Free vibration numerical simulation technique for extracting flutter derivatives of bridge decks. *Journal of Wind Engineering and Industrial Aerodynamics*, 170, 226–237. Scopus. <https://doi.org/10.1016/j.jweia.2017.08.018>
- Xue, X., Lu, S., Cao, T., & Gao, G. (2023). A full-cycle aerostatic instability model and the mechanism of Π Composite girder cable-stayed bridges. *Zhendong yu Chongji/Journal of Vibration and Shock*, 42(20), 204–213. Scopus. <https://doi.org/10.13465/j.cnki.jvs.2023.20.024>
- Zamiri, G., & Sabbagh-Yazdi, S.-R. (2021). Pseudo-3D aerostatic instability analysis of suspension bridge deck using finite volume solution of wind flow and Element-Free Galerkin of structure. *Structures*, 31, 500–512. Scopus. <https://doi.org/10.1016/j.istruc.2021.01.058>
- Zeng, J.-D., Li, M.-S., Zhang, Z.-T., Li, S.-P., & Li, Z.-G. (2021). Influence of Pylon on Static Wind Load Characteristics of Main Girder of Long-span Cable-stayed Bridge under Action of Oblique Wind. *Gonglu Jiaotong Keji/Journal of Highway and Transportation Research and Development*, 38(11), 52–58. Scopus. <https://doi.org/10.3969/j.issn.1002-0268.2021.11.007>
- Zeng, Y., Zeng, Y., Yu, H., Tan, Y., Tan, H., & Zheng, H. (2021). Dynamic Characteristics of a Double-Pylon Cable-Stayed Bridge with Steel Truss Girder and Single-Cable Plane. *Advances in Civil Engineering*, 2021. Scopus. <https://doi.org/10.1155/2021/9565730>
- Zhang, H., Wang, H., Xu, Z., Zhang, Y., Tao, T., & Mao, J. (2022). Monitoring-based analysis of wind-induced vibrations of ultra-long stay cables during an exceptional wind event. *Journal of Wind Engineering and Industrial Aerodynamics*, 221. Scopus. <https://doi.org/10.1016/j.jweia.2021.104883>
- Zhang, K., Yang, Y., Zhang, J., & Dong, R. (2012). Sectional model wind tunnel tests and wind-induced static instability analysis of long-span cable-stayed bridges. *Shenyang Jianzhu Daxue Xuebao (Ziran Kexue Ban)/Journal of Shenyang Jianzhu University (Natural Science)*, 28(4), 584–591. Scopus.
- Zhang, L., Zheng, S., Tang, Y., Jia, H., & Bao, Y. (2014). Study on the aerodynamic characteristics of a single-pylon cable-stayed bridge girder by numerical simulation and wind tunnel test. *Journal of Engineering Science and Technology Review*, 7(4), 97–103. Scopus. <https://doi.org/10.25103/jestr.074.16>
- Zhang, X.-J., & Yao, M. (2016). Parametric study of wind stability of long span partially ground-anchored cable-stayed bridges. *Bridge Construction*, 46(3), 23–28. Scopus.
- Zhang, Y., Cardiff, P., Cahill, F., & Keenahan, J. (2021). Assessing the Capability of Computational Fluid Dynamics Models in Replicating Wind Tunnel Test Results for

- Zhang, Y., MacReamoinn, R., Cardiff, P., & Keenahan, J. (2023). Analyzing Wind Effects on Long-Span Bridges: A Viable Numerical Modelling Methodology Using OpenFOAM for Industrial Applications. *Infrastructures*, 8(9). Scopus. <https://doi.org/10.3390/infrastructures8090130>
- Zhao, G., Wang, Z., Zhu, S., Hao, J., & Wang, J. (2022). Experimental Study of Mitigation of Wind-Induced Vibration in Asymmetric Cable-Stayed Bridge Using Sharp Wind Fairings. *Applied Sciences (Switzerland)*, 12(1). Scopus. <https://doi.org/10.3390/app12010242>
- Zhou, R., Ge, Y., Yang, Y., Du, Y., & Zhang, L. (2020). Aerodynamic performance evaluation of different cable-stayed bridges with composite decks. *Steel and Composite Structures*, 34(5), 699–713. Scopus. <https://doi.org/10.12989/scs.2020.34.5.699>
- Zhou, Z., & Mao, W. (2016). Ground effects on the static force coefficients of a closed box girder. *Tongji Daxue Xuebao/Journal of Tongji University*, 44(9), 1347–1355. Scopus. <https://doi.org/10.11908/j.issn.0253-374x.2016.09.007>
- Zhu, L., Qian, C., Shen, Y., & Zhu, Q. (2022). Aerodynamic shape optimization emphasizing static stability for a super-long-span cable-stayed bridge with a central-slotted box deck. *Wind and Structures, An International Journal*, 35(5), 337–351. Scopus. <https://doi.org/10.12989/was.2022.35.5.337>