1. Recipient of the Science and Technology Awards (Second Class) of Chinese Society for Vibration Engineering, China (2020). Project Title: "Theory and Methodology for Random Vibration Control of Bridge and Building Structures Using Smart Magnetorheological Dampers" (Y.F. Duan, Y.Q. Ni, Z.G. Ying, Y. Chen);
2. Recipient of the Dean's Award for Outstanding Achievement in Research Funding (Principal Investigator), Faculty of Construction and Environment, The Hong Kong Polytechnic University, 2019;
3. Recipient of the Commendation Merit Award of Structural Excellent Award 2019 (R&D Award), The Hong Kong Institution of Engineers (HKIE), 2019 (Su, J.Z., Xia, Y., Zhu, L.D., Zhu, H.P., and Ni, Y.Q. (2017), "Typhoon- and temperature-induced quasi-static responses of a supertall structure");
4. Recipient of the Finalist Award of Structural Excellent Award 2019 (R&D Award), The Hong Kong Institution of Engineers (HKIE), 2019 (H.P. Wan, and Y.Q. Ni, "Bayesian modeling approach for forecast of structural stress response using structural health monitoring data");
5. Recipient of the Outstanding Paper Award in the 2nd International Workshop on Structural Health Monitoring for Railway System, 17-19 October 2018, Qingdao, China (X.Z. Liu, and Y.Q. Ni, "Condition-based maintenance of high-speed railway vehicle wheels through trackside monitoring");
6. Recipient of the Honorable Paper Award in the 2nd International Workshop on Structural Health Monitoring for Railway System, 17-19 October 2018, Qingdao, China (C.M. Kuo, C.H. Huang, C.C. Lin, Y.H. Pai, and Y.Q. Ni, "Vibration characteristics of direct-fixation track with flexible fasteners");
7. Recipient of the 2017 "SHM Person of the Year" Award by the international journal Structural Health Monitoring during the 11th International Workshop on Structural Health Monitoring, 12-14 September 2017, Stanford, California, USA;
8. Recipient of the 2016 State Scientific and Technological Progress Award (Second Class), China. Project Title: "Key Technologies for Building Canton Tower" (X.Z. Wu, P. Tan, D. Zhou, J.Y. Gao, J. Gong, Y.Q. Ni, J. Teng, X.Q. Cui, H.Z. Wu, S.T. Wu);
9. Recipient of the Dean's Award for Outstanding Achievement in Research Funding (Principal Investigator), Faculty of Construction and Environment, The Hong Kong Polytechnic University, 2016;
10. Recipient of the Dean's Award for Highly-cited Papers (Paper: Y.Q. Ni, Y. Xia, W.Y. Liao, and J.M. Ko, "Technology innovation in developing the structural health monitoring system for Guangzhou New TV Tower", Structural Control and Health Monitoring, Vol. 16, No. 1, 2009, 73-98), Faculty of Construction and Environment, The Hong Kong Polytechnic University, 2015;
11. Recipient of the Dean's Award for Highly-cited Papers (Paper: J.M. Ko, and Y.Q. Ni, "Technology developments in structural health

monitoring of large-scale bridges", Engineering Structures, Vol. 27, No. 12, 2005, 1715-1725), Faculty of Construction and Environment, The Hong Kong Polytechnic University, 2015;

12. Recipient of the Science and Technology Awards (First Class) of Guangdong Provincial Government, China (2014). Project Title: "Research on Hybrid Tunable Vibration Control Technology for Canton Tower" (P. Tan, J. Teng, H.M. Pan, F.L. Zhou, J.P. Ou, D. Zhou, Y.Q. Ni, Y.H. Liu, H. Li, Y. Wang, Z.Y. Shen, C.W. Zhang, H.Z. Wu, W. Xiong);
13. Recipient of the Science and Technology Awards (First Class) of the Civil Engineering and Architectural Society of Guangdong Province, China (2013). Project Title: "Research on Hybrid Tunable Vibration Control Technology for Canton Tower" (P. Tan, J. Teng, H.M. Pan, F.L. Zhou, J.P. Ou, D. Zhou, Y.Q. Ni, Y.H. Liu, H. Li, Y. Wang, Z.Y. Shen, C.W. Zhang, H.Z. Wu, W. Xiong);
14. Recipient of the Science and Technology Awards (Third Class) of Shanghai Municipal Government, China (2013). Project Title: "Innovative Technology and its Application for Reliability Control of Super-Tall Buildings during Construction" (X.Q. Cui, Q.L. Zhang, S. Zhang, Y.Q. Ni, J. He, J.M. Ko, W.Z. Huang);
15. Recipient of a Gold Medal and a Grand Prize at the 41st International Exhibition of Inventions, New Techniques and Products in Geneva (2013). Project Title: "Intelligent Ship-Bridge Anti-Collision Surveillance System" (Role: Principal Investigator);
16. Recipient of an Innovation Award at the 15th China International Industry Fair in Shanghai (2013). Project Title: "Intelligent Ship-Bridge Anti-Collision Surveillance System" (Role: Principal Investigator);
17. Recipient of the Dean's Award for Outstanding Achievement in Research Funding (Principal Investigator), Faculty of Construction and Environment, The Hong Kong Polytechnic University, 2013;
18. Recipient of the Grand Award (Technology/Industry Category) of Distinguished Knowledge Transfer Excellence Awards of The Hong Kong Polytechnic University in 2012. Project Title: "Mega-Structure Diagnostic and Prognostic System" (Role: Principal Investigator);
19. Recipient of the Highest International Consultancy Award of The Hong Kong Polytechnic University in 2010;
20. Recipient of the President's Awards for Excellent Performance/Achievement (Research and Scholarly Activities), The Hong Kong Polytechnic University, 2010;
21. Recipient of the Faculty/School Awards for Outstanding Performance/ Achievement (Research and Scholarly Activities), Faculty of Construction and Land Use, The Hong Kong Polytechnic University, 2010;
22. Recipient of a Gold Medal and a Grand Prize at the 37th International Exhibition of Inventions, New Techniques and Products in Geneva (2009). Project Title: "Mega-Structure Diagnostic and Prognostic System" (Role: Principal Investigator);

23. Recipient of a Gold Medal at the 11th China International Industry Fair in Shanghai (2009). Project Title: “Mega-Structure Diagnostic and Prognostic System” (Role: Principal Investigator);
24. Recipient of the International Award of The Hong Kong Polytechnic University in 2009;
25. Recipient of the Dean’s Award for Outstanding Achievement in Technology Transfer “Structural Health Monitoring Technology for Large-scale Structures” (Principal Investigator), Faculty of Construction and Land Use, The Hong Kong Polytechnic University, 2009;
26. Recipient of the Dean’s Award for Outstanding Achievement in Research Funding (Principal Investigator), Faculty of Construction and Land Use, The Hong Kong Polytechnic University, 2008;
27. Recipient of the Dean’s Award for Outstanding Achievement in Technology Transfer “Code of Practice for the Structural Use of Steel” (Co-investigator), Faculty of Construction and Land Use, The Hong Kong Polytechnic University, 2008;
28. Recipient of the Most Valuable Consultancy Project (MVCP) Award of The Hong Kong Polytechnic University (2006). Project Title: “Structural Health Monitoring and Safety Evaluation of Long-Span Bridges” (Lead Consultant: Y.Q. Ni);
29. Recipient of the International Award of The Hong Kong Polytechnic University in 2006;
30. Recipient of the Science and Technology Progress Award (2nd Class) of Ministry of Education, China (2005). Project Title: “Study on Nonlinear Behaviour and Control of Flexible Civil Structures” (Z.Q. Chen, Y.Q. Ni, X.Y. Wang, J.M. Ko, X.G. Hua, M.G. Yang, F.L. Huang, X.H. He);
31. Recipient of the Silver Medal of the 15th China National Invention Expo (2005). Project Title: “Smart Damping System for Intelligent Vibration Control of Civil and Mechanical Structures” (S.W. Or, Y.Q. Ni, Y.F. Duan);
32. Chinese Patent: "一種適用於軌道檢測的影像分析系統和裝置 (Image Analysis System and Apparatus for Track Detection) "□ (S.M. Wang, C.L. Liao, Y.Q. Ni). Chinese Patent No. ZL 2020 2 2219767.7, Issued on 18 June 2021;
33. Chinese Patent: "磁懸浮控制系統(Maglev Controlling System)" (Y.Q. Ni, S.M. Wang, Y. Lu). Chinese Patent No. ZL 2020 2 2201131.X, Issued on 5 January 2021;
34. Chinese Patent: “一種光纖布拉格光柵角度傳感器” (Y.Q. Ni, C.Y. Wang, H.L. Wang, C. Zhang, M.D. Yuan). Chinese Patent No. ZL 2017 1 0120696.5, Issued on 30 October 2020;

35. Korean Patent: “Magnetorheological Damper and Use Thereof” (S.W. Or, Y.Q. Ni, Y.F. Duan). Korean Patent No. 10-1255350, Issued on 10 April 2013;
36. Chinese Patent: “一種用於水準凍結凍土多場耦合即時感知方法” (L.Y. Ding, C. Zhou, X.W. Ye, C.S. Wang, H.B. Luo, Y.Q. Ni, Y.J. Li, P. Guo, Y.Z. Xu, Z.C. Sun). Chinese Patent No. 2012 1 0128008.7, Issued on 19 September 2012;
37. Chinese Patent: “一種隧道聯絡通道凍結施工安全預警分析儀及其工作方法” (L.Y. Ding, C. Zhou, Y.J. Li, X.W. Ye, H.B. Luo, Q.X. Deng, Y.Q. Ni, C.S. Wang, P. Guo, Y.Z. Xu). Chinese Patent No. ZL 2012 1 0128009.1, Issued on 19 September 2012;
38. Chinese Patent: “A High-fidelity Energy-efficient Sensing Module for Wireless Structural Health Monitoring” (Y.Q. Ni, B. Li, H.F. Zhou, H.T. Huang). Chinese Patent No. ZL 2011 2 0029500.X, Issued on 9 November 2011;
39. Chinese Patent: “Solar-powered Wireless Sensor Network for Home Surveillance and Automation” (H.F. Zhou, H.T. Huang, Y.Q. Ni). Chinese Patent No. ZL 2011 2 0032497.7, Issued on 9 November 2011;
40. Japanese Patent: “Magnetorheological Damper and Use Thereof” (S.W. Or, Y.Q. Ni, Y.F. Duan). Japanese Patent No. 4850248, Issued on 28 October 2011;
41. United States Patent: “Magnetorheological Damper and Use Thereof” (S.W. Or, Y.Q. Ni, Y.F. Duan). US Patent No. US 7,775,333 B2, Issued on 17 August 2010;
42. Chinese Patent: “Magnetorheological Damper and Use Thereof” (S.W. Or, Y.Q. Ni, Y.F. Duan). Chinese Patent No. ZL 2006 1 0106147.4, Issued on 9 June 2010;
43. Highly Cited Paper on ISI Web of Knowledge in 2015: Ko, J.M., and Ni, Y.Q. (2005), “Technology developments in structural health monitoring of large-scale bridges”, Engineering Structures, Vol. 27, No. 12, 1715-1725;
44. Highly Cited Paper on ISI Web of Knowledge in 2016: Ni, Y.Q., Xia, Y., Liao, W.Y., and Ko, J.M. (2009), “Technology innovation in developing the structural health monitoring system for Guangzhou New TV Tower”, Structural Control and Health Monitoring, Vol. 16, No. 1, 73-98;
45. Paper of ‘Highlights of 2013’ Collection of Smart Materials and Structures: Sun, S.S., Deng, H.X., Li, W.H., Du, H.P., Ni, Y.Q., Zhang, J., and Yang, J. (2013), “Improving the critical speeds of high-speed trains using magnetorheological technology”, Smart Materials and Structures, Vol. 22, Paper No. 115012.