

I published several research works as the first author in the internationally renowned journal Nature Communications, Cell's sister journal Matter, and Journal of Sound and Vibration, and two patents were authorized. The five representative paper works are as follows:

[1] Li, C., Liao, X.X., Peng, Z. K, Meng, G. & He, Q. B. *. Highly sensitive broadband meta-mechanoreceptor via mechanical frequency-division multiplexing, Nature Communications, 14(2023)5482 (SCI, IF = 17.694)

[2] Li, C., Peng, Z. K* & He, Q. B.*. Stimuli-responsive metamaterials with information-driven elastodynamics programming, Matter, 5(2022)988-1003. (SCI, IF = 19.967, a sister journal of Cell)

[3] Li, C., Jiang, T. X., He, Q. B. *, &Peng, Z. K. Smart metasurface shaft for vibration source identification with a single sensor. Journal of Sound and Vibration, 493(2021) 115836. (SCI, IF = 4.761)

[4] Li, C., Jiang, T. X., He, Q. B. *, &Peng, Z. K. Tunable stiffness-mass-coding multi-band metamaterial for broadband isolation at low frequency, Journal of Sound and Vibration, 485(2020) 115685. (SCI, IF = 4.761)

[5] Jiang, T. X., Li, C., He, Q. B.*; &Peng, Z. K. Randomized resonant metamaterials for single-sensor identification of elastic vibrations, Nature Communications, 11(2020) 2353. (SCI, IF = 17.694)