In article number 1805912, Shuqi Chen and co-workers present the development of multiplexing and multifunctional metasurfaces, which enable concurrent tasks through a dramatic compact design. The fundamental properties, design strategies, and applications of multiplexing and multifunctional metasurfaces are discussed. With the development of deep sub-wavelength nanostructures, such multiplexing and multifunctional metasurfaces will have a deeper and deeper impact on modern photonics, quantum optics, and related techniques.