



Featuring a study on machine learning-driven, self-powered wearable technology for gait-assisted healthcare by a research team led by Prof. Zong-Hong Lin from National Taiwan University, and Prof. Fu-Cheng Kao and Prof. Jen-Chung Liao from Chang Gung Memorial Hospital.

Machine learning-driven gait-assisted self-powered wearable sensing: a triboelectric nanogenerator-based advanced healthcare monitoring

Harnessing triboelectric nanogenerator technology and machine learning, a wearable insole system enables precise flat foot detection, personalized user authentication, and rehabilitation tracking—ushering in a new era of gait-assisted healthcare.

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See Jen-Chung Liao, Fu-Cheng Kao, Zong-Hong Lin *et al.*, *J. Mater. Chem. A*, 2025, **13**, 13750.