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Weida Hu is Fellow of IEEE, Fellow of Optica, Fellow of SPIE, the vice president of Shanghai Institute of Technical Physics of Chinese Academy of Sciences, the head of State Key Laboratory of Infrared Physics, and a full professor (Principal investigator) on infrared photodetectors and intelligent recognition chips for space applications. He has authored or coauthored more than 200 technical journal papers and conference presentations, with the total citations of 35000 and h-index of 104 (Google scholar).

He received the Clarivate Highly Cited Researcher since 2022, Innovation Research Groups of the National Natural Science Foundation of China in 2025, and National Science Fund for Distinguished Young Scholars in 2017. He is also serving as the Editor-in-Chief of Infrared Physics & Technology, Editorial Advisory Board Member of Small, chair of Optoelectronic Devices Committee of IEEE Electron Devices Society, chair of IEEE Shanghai Section NTC Chapter (winner of 2024 Chapter of the Year Award) from 2022 to 2026, and Distinguished Lecturers of IEEE Nanotechnology Council.