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Anita Ho-Baillie is the John Hooke Chair of Nanoscience at the University of Sydney, an Australian Research Council Future Fellow and an Adjunct Professor at University of New South Wales (UNSW). She completed her Bachelor of Engineering degree on a Co-op scholarship in 2001 and her PhD at UNSW in 2005. Her research interest is to engineer materials and devices at nanoscale for integrating solar cells onto all kinds of surfaces generating clean energy.

She is a highly cited researcher from 2019 to 2023. In 2021, she was an Australian Museum Eureka Prize Finalist and was named the Top Australian Sustainable-Energy Researcher by The Australian Newspaper Annual-Research-Magazine. She won the Royal Society of NSW Warren Prize in 2022 for her pioneering work in the development of next generation solar cells. In 2023, she is a finalist for four categories for the Australian Space Awards. She is a Fellow of the Australian Institute of Physics, the Royal Society of New South Wales and the Royal Society of Chemistry.

She is currently as an Associate Editor for ACS Nano.