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中英文简介

郭洪光，四川大学建筑与环境学院教授，国家重点研发计划项目青年首席科学家，住建部国家节水型城市评审考核专家，中国城镇供水排水协会青年委委员，中国工程建设标准化协会智慧水务专委会委员，四川大学双百人才，领军人才，好未来优秀学者奖获得者。主要从事饮用水与污水处理，环境新污染物识别、传感与治理技术，环境减污降碳与碳中和路线技术开发，包括水处理氧化与消毒技术、水/气/固污染修复、高盐废水处理、二氧化碳资源化利用、新能源电池高值回收与循环利用、市政与环境规划、智慧水务、海绵城市及城市节水等工作。主编、参编国内规划教材一部，外文专著一部。主持包括国家重点研发计划项目，国家自然科学基金，四川省杰出青年基金及四川省科技厅项目在内多项科研项目，国内外发表文章 70 余篇。《Collagen and Leather》《中国给水排水》《净水技术》等杂志青年编委。

Hongguang Guo is a professor at the School of Architecture and Environment, Sichuan University. He is the Youth Chief Scientist of the National Key Research and Development Program, an expert in the assessment of National Water-saving cities appointed by the Ministry of Housing and Urban-Rural Development, a member of the Youth Committee of the China Urban Water Supply and Drainage Association, a member of the Smart Water Management Special Committee of the China Engineering Construction Standardization Association, a "Double Hundred Talent" and leading talent at Sichuan University, and a recipient of the Outstanding Scholar Award from Good Future Education. His main areas of research include drinking water and wastewater treatment, identification of new environmental pollutants, sensing and governance technologies, environmental pollution reduction, carbon reduction, and carbon-neutral route technology development. This encompasses water treatment oxidation and disinfection technologies, restoration of water/air/solid pollution, treatment of high-salinity wastewater, carbon dioxide resource

utilization, high-value recovery and recycling of new energy batteries, urban and environmental planning, smart water management, sponge cities, and urban water conservation. He has edited and contributed to a domestic planning textbook and a foreign monograph. He has led numerous research projects, including those funded by the National Key Research and Development Program, the National Natural Science Foundation of China, the Outstanding Youth Foundation of Sichuan Province, and projects from the Sichuan Provincial Department of Science and Technology. He has published over 70 articles domestically and internationally in journals such as "Environmental science & Technology," and "Water Research". He serves as a young editorial board member for journals including "Collagen and Leather," "China Water Supply and Drainage," and "Water Purification Technology."