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Guangfu Luo is an Associate Professor of Materials Science and Engineering at the Southern University of Science and Technology (SUSTech), China. He joined SUSTech in 2018 as an Assistant Professor and was promoted to Associate Professor in 2024. He earned a B.Sc. in Applied Physics from Tianjin University and a Ph.D. in Condensed Matter Physics from Peking University in 2010. After completing his doctorate, he held research positions at the Institute for Molecular Science (Japan), the University of Wisconsin–Madison, and the Washington University in St. Louis. His research centers on (1) first-principles modeling of functional materials, emphasizing on defects and dynamic processes that drive degradation and failure and developing mitigation strategies, and (2) computational method development for dynamical simulations. He has authored more than 100 peer-reviewed publications.