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Jae Chul Kim is an Assistant Professor at Stevens Institute of Technology. His research interest centers on designing complex inorganic materials for electrochemical energy storage. Leveraging expertise in solid-state chemistry and electrochemistry, his work in materials design has involved the development of oxide, phosphate, borate, and thiophosphate compositions for next-generation lithium, sodium, and potassium-ion batteries and their all-solid-state systems. Dr. Kim received the Early Career Research Program award from the U.S. Department of Energy Office of Science. Before joining Stevens, he completed his postdoc training at Lawrence Berkeley National Laboratory. Under the supervision of Professor Gerbrand Ceder, he obtained his PhD in Materials Science and Engineering from Massachusetts Institute of Technology for designing novel lithium storage materials.