

Arief C. Wibowo

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Credentials B.S. (Michigan State University, 2001), M.S. (Michigan State University, 2004); PhD (University of South Carolina, 2011)

Specialization Solid State Chemistry

Experience and Research Interest

Our research interest lies in the field of ***synthetic inorganic(-organic) compounds*** for charge transport-related applications, where we forego the typical synthetic comfort zone in order to unravel (new) exceptional materials. Currently we are focusing on the synthesis of lone-pair containing coordination polymers, metal-organic frameworks (MOF), inorganic (oxides, chalcogenides, halides, and combinations thereof), as well as inorganic-organic hybrids (perovskitoids). Present applications of interest include but not limited to photoluminescence, sensor and detector, gas adsorption, and catalysis.

Teaching Interest

Undergraduate: inorganic chemistry, general chemistry

Postgraduate: solid state chemistry.