Special Issue

Water Treatment by Adsorption and Oxidation

Message from the Guest Editors

Water resources are closely related to the survival and development of human society. Various contaminants in water pose serious threats to the environment and human health due to the pollution of water resources worldwide, and the development of remediation technologies for water treatment is of vital importance. Adsorption, which has the merits of easy operation and absence of by-products, has long been used for water treatment. Oxidation is also a widely employed technology for water treatment. Especially, advanced oxidation processes (AOPs), including ozone-based, photocatalytic, electrocatalytic, Fenton, persulfate-based and other processes, are receiving increasing attention. Although water treatment by adsorption and oxidation has been investigated extensively, more research in this area is still in urgent demand.

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