Special Issue

Applications of Persulfate (PS) and Peroxymonosulfate (PMS) Activation

Message from the Guest Editor

In recent years, advanced oxidation technology based on SO4− has attracted great attention. Compared to ·OH, SO4− have the same or even higher REDOX potential (2.5–3.1 V), and in some cases, sulfate radicals are more selective and have a longer half-life than hydroxyl. Therefore, SO4− is expected to show a better ability to degrade novel pollutants. It is important to note that persulfates (PS), including peroxymonosulfates (PMS) and peroxybisulfates (PDS), are low-cost, easy to store, and very stable. They can be activated to generate sulfate radicals through various methods, such as heating activation, alkali activation, radiation activation, ultrasonic activation, carbon-based material activation, activation of transition metal and its oxides, etc.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2023)

Inorganics

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.1

mdpi.com/si/121506

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