Effects of pH, dissolved oxygen and organic additives on the interfacial transfer of volatile iodine species from irradiated CsI solutions

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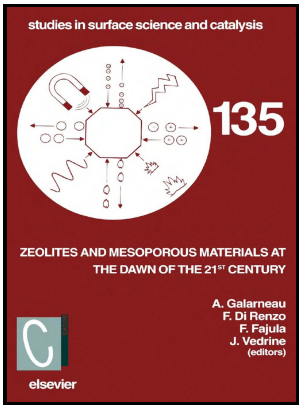

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Environmental Science & Technology

In this regard, the influence of tungsten on tertiary phase precipitation kinetics remains a chief source of controversy. The chloride residual in NH 2Cl was quantified by ion chromatography Dionex Inc. Here, we implement a finite element model for oxidation of a Fe lamella to FeO 74% volumetric expansion , in a lamellar Fe foam designed for battery applications.

Modeling of iodine radiation chemistry in the presence of organic compounds

The contributions of adsorbed and bulk oxidants to contaminant degrdn. The OH radical produced would oxidize any org. However, a surface darkening could also be observed for silver electrodes used for electrolysis in carbon free, aqueous media.

Impact of the Ultraviolet Photolysis of Monochloramine on 1,4

Detailed electrode specific measurements are reported in this work on discharge of porous carbon-H 2SO 4 EDLCs.

Impact of the Ultraviolet Photolysis of Monochloramine on 1,4

The chemo-mechanical degradation model considers the formation of the solid electrolyte interphase on the surface and within the cracks of the silicon electrode, the physical isolation of active materials and the resistance due to loss of contact between the silicon composite electrode and the copper foil as the main capacity fading mechanisms. Membrane technologies, new reactor developments and scale-up strategies are discussed.

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