

Oxalic acid decomposition in water by ozonation with copper catalyst mechanism investigation

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Abstract

In this paper, results of high-porous honeycomb copper catalyst activity in organic pollutants (model compound – oxalic acid) water catalytic ozonation process investigation were represented. Different factors influence on oxalic acid decomposition by ozone with this catalyst was considered. Results of catalyst surface morphology changes during catalytic process study were shown and assumptions of heterogeneous catalytic process feasible mechanisms were made.