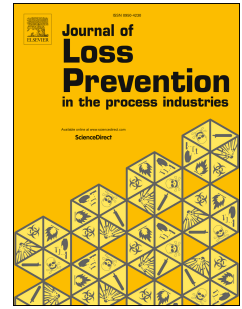


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1 **Characteristics and Precursor Information of Electromagnetic Signals of**
2 **Mining-induced Coal and Gas Outburst**

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