

Electrical discharges in hydrogen-containing gases and liquids (review)

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This review contains information on a variety of implemented methods for creating low-temperature plasma used to convert hydrocarbons and alcohols into useful products (hydrogen, acetylene). Examples of plasma generation devices based on arc, barrier, electron-beam, and microwave discharges in both gaseous and liquid environments are provided.

Keywords: electric discharge, plasma generators, plasma chemistry, hydrogen production.

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