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- 2) **The Conversion of Natural Gas to Higher Hydrocarbons Using a Microwave Plasma and Catalysis**
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- 7) **Design of Unique Titanium Oxide Photocatalysts by an Advanced Metal Ion-implantation Method and Photocatalytic Reactions under Visible Light Irradiation**
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- 9) **The Relationship between the Local Structure of Copper (I) Ions on Cu⁺/Zeolite Catalysts and Their Photocatalytic Reactivities for the Decomposition of NO_x into N₂ and O₂ at 275 K**
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- 10) **Phosphorescence and Photochemical Properties of Benzophenone Included in Alkali Metal Cation-Exchanged ZSM-5 Zeolites**
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- 12) **Cluster Quantum Chemical ab Initio Study on the Interaction of NO Molecules with Highly Dispersed Titanium Oxides Incorporated into Silicalite and Zeolites**
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