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Advances in Hydrocarbon Conversion for Hydrogen Production

Guest Editors:

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Dr. Bo Jiang

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Deadline for manuscript submissions:
closed (10 December 2021)

Message from the Guest Editors

Dear Colleagues,

Hydrogen has been recognized as one of the most promising sustainable and environmentally friendly energy carriers for humans in the future. Hydrocarbon conversion is an important route to produce hydrogen in an economic and scalable manner. Many technologies can be adopted for hydrogen production from hydrocarbon, which includes thermal cracking, steam/dry reforming, partial oxidation, and so on. Furthermore, advanced conversion processes based on photo- and electro-catalysis have been developed as emerging technology. The research is highly interdisciplinary, containing advanced material development, fundamental reaction engineering and novel system design.

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Message from the Editor-in-Chief

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