



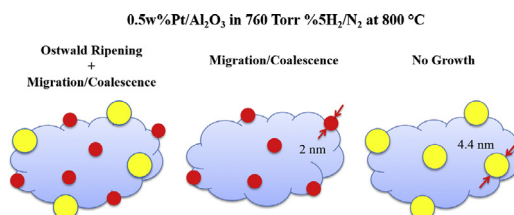
Journal of Catalysis Vol. 337, 2016

Contents

PRIORITY COMMUNICATION

Revealing particle growth mechanisms by combining high-surface-area catalysts made with monodisperse particles and electron microscopy conducted at atmospheric pressure pp 240–247

Shuyi Zhang, Matteo Cargnello, Wei Cai, Christopher B. Murray, George W. Graham*, Xiaoqing Pan*

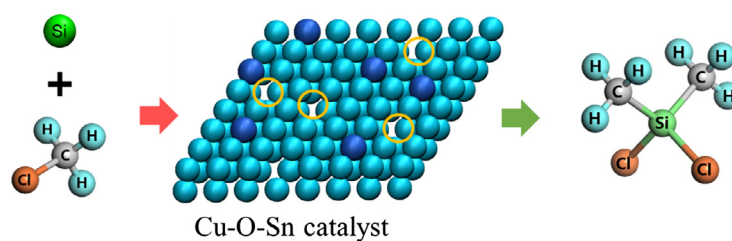


REGULAR ARTICLES

Novel leaflike Cu–O–Sn nanosheets as highly efficient catalysts for the Rochow reaction

pp 1–13

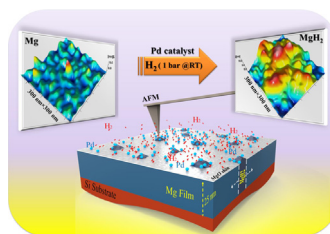
Shanying Zou, Yongjun Ji*, Jing Li, Yu Zhang, Zheyang Jin, Lihua Jia, Xiangfeng Guo*, Ziyi Zhong, Fabing Su*



Hydrogenation of Mg nanofilms catalyzed by size-selected Pd nanoparticles: Observation of localized MgH₂ nanodomains

pp 14–25

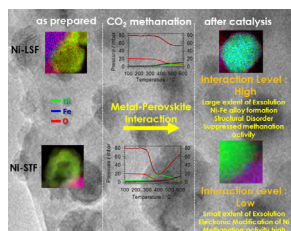
Sushant Kumar, Vidyadhar Singh, Cathal Cassidy, Christopher Pursell, Chinmay Nivargi, Bruce Clemens, Mukhles Sowwan*



Ni–perovskite interaction and its structural and catalytic consequences in methane steam reforming and methanation reactions

pp 26–35

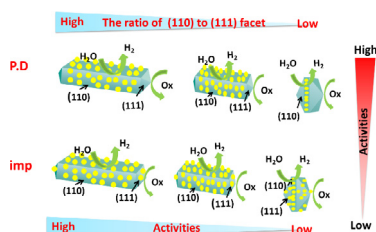
Ramona Thalinger, Martin Gocyla, Marc Heggen, Rafal Dunin-Borkowski, Matthias Grünbacher, Michael Stöger-Pollach, Daniela Schmidmair, Bernhard Klötzer, Simon Penner*



The dependence of photocatalytic activity on the selective and nonselective deposition of noble metal cocatalysts on the facets of rutile TiO₂

pp 36–44

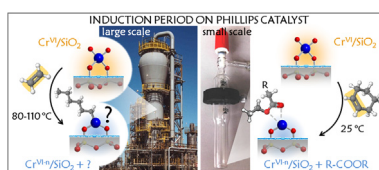
Qiao Zhang, Rengui Li, Zheng Li, Ailong Li, Shengyang Wang, Zhenxing Liang, Shijun Liao*, Can Li*



Pre-reduction of the Phillips Cr^{VI}/SiO₂ catalyst by cyclohexene: A model for the induction period of ethylene polymerization

pp 45–51

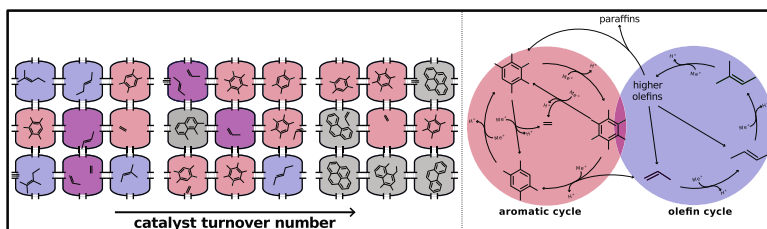
Caterina Barzan*, Alessandro A. Damin, Andriy Budnyk, Adriano Zecchina, Silvia Bordiga, Elena Groppo



Isotopic tracer studies of methanol-to-olefins conversion over HSAPO-34: The role of the olefins-based catalytic cycle

pp 52–56

Andrew Hwang, Dario Prieto-Centurion, Aditya Bhan



Download English Version:

<https://daneshyari.com/en/article/6526960>

Download Persian Version:

<https://daneshyari.com/article/6526960>

[Daneshyari.com](https://daneshyari.com)