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*Siti Nurhanna Riduan, Yugen Zhang, Jackie Y. Ying*

### [Nanoscale Chemical Imaging of the Reduction Behavior of a Single Catalyst Particle](#)

**Angewandte Chemie International Edition**

*Emiel de Smit, Ingmar Swart, J. Fredrik Creemer, Chithra Karunakaran, Drew Bertwistle, Henny W. Zandbergen, Frank M. F. de Groot, Bert M. Weckhuysen*

### [Formic Acid Dehydrogenation on Au-Based Catalysts at Near-Ambient Temperatures](#)

**Angewandte Chemie International Edition**

*Manuel Ojeda, Enrique Iglesia*

### [Cyclobutenes as Isolable Intermediates in the Gold\(I\)-Catalysed Cycloisomerisation of 1,8-Enynes](#)

**Yann Odabachian**

**Advanced Synthesis & Catalysis**

*Yann Odabachian, Fabien Gagosz*

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*Han Liu, Da-Ming Du*

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**Advanced Synthesis & Catalysis**

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[Palladium-Catalyzed Carbonylation Reactions of Alkenes and Alkynes](#)

**ChemCatChem**

Anne Brennführer, Helfried Neumann, Matthias Beller

[Alkene Polymerization Catalysts Bearing Tridentate Phenoxyamine Ligands with  \$sp^3\$  C Donors](#)

**ChemCatChem**

Joseph B. Edson, Ivan Keresztes, Emil B. Lobkovsky, Geoffrey W. Coates

[Fengphos, a Ferrocene-Based Chiral Diphosphine: Synthesis and Applications](#)

**ChemCatChem**

Xiangdong Feng, Benoît Pugin, Björn Gschwend, Felix Spindler, Martin Paas, Hans-Ulrich Blaser

[Towards the Efficient, Total Glycan Utilization of Biomass](#)

**ChemSusChem**

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**ChemSusChem**

Waldemar Maximilian Czaplík, Matthias Mayer, Ján Cvengroš, Axel Jacobi von Wangelin

[Sustainability in Catalytic Oxidation: An Alternative Approach or a Structural Evolution?](#)

**ChemSusChem**

Fabrizio Cavani, Joaquim Henrique Teles

[Organocatalytic Domino Michael-Knoevenagel Condensation Reaction for the Synthesis of Optically Active 3-Diethoxyphosphoryl-2-oxocyclohex-3-enecarboxylates](#)

**Chemistry - A European Journal**

Ukasz Albrecht, Bo Richter, Carlos Vila, Henryk Krawczyk, Karl Anker Jørgensen

[Metal-Catalyzed One-Step Synthesis: Towards Direct Alternatives to Multistep Heterocycle and Amino Acid Derivative Formation](#)

**Chemistry - A European Journal**

Bruce A. Arndtsen

[Racemization of Alcohols Catalyzed by  \$\[RuCl\(CO\)\_2\(\eta^5\text{-pentaphenylcyclopentadienyl}\)\]\$  - Mechanistic Insights from Theoretical Modeling](#)

**Chemistry - A European Journal**

Jonas Nyhlén, Timofei Privalov, Jan-E. Bäckvall

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[Nazarov-type Reactions in Water](#)

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Masaya Kokubo, Shū Kobayashi

[Metallic Impurities \*within\* Residual Catalyst Metallic Nanoparticles Are in Some Cases Responsible for "Electrocatalytic" Effect of Carbon Nanotubes](#)

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Martin Pumera, Hideo Iwai

[Photocatalytic Degradation of Dicofol and Pyrethrum with Boric and Cerous Co-doped  \$TiO\_2\$  under Light Irradiation](#)

**Chinese Journal of Chemistry**

Lifen GONG, Jing ZOU, Jinbin ZENG, Wenfeng CHEN, Xi CHEN, Xiaoru WANG

[\*\*Pd/C/PPH<sub>3</sub>: A Simple and Efficient Catalyst System for Double Carbonylation Reactions\*\*](#)**Chinese Journal of Chemistry**

Jianming LIU, Shuzhan ZHENG, Wei SUN, Chungu XIA

[\*\*A Cobalt\(II\)-containing Metal-Organic Framework Showing Catalytic Activity in Oxidation Reactions\*\*](#)**ZAAC – Zeitschrift für anorganische und allgemeine Chemie**

Ying Lu, Markus Tonigold, Björn Bredenköter, Dirk Volkmer, Julia Hitzbleck, Gerhard Langstein

[\*\*Bifunctional transition metal-based molecular catalysts for asymmetric C–C and C–N bond formation\*\*](#)**The Chemical Record**

Takao Ikariya, Ilya D. Gridnev

[\*\*Advanced materials for environmental catalysts\*\*](#)**The Chemical Record**

Nobuhito Imanaka, Toshiyuki Masui

[\*\*Construction of Linear Polymers, Dendrimers, Networks, and Other Polymeric Architectures by Copper-Catalyzed Azide-Alkyne Cycloaddition "Click" Chemistry\*\*](#)**Macromolecular Rapid Communications**

Jeremiah A. Johnson, M. G. Finn, Jeffrey T. Koberstein, Nicholas J. Turro

[\*\*Evaluation of the Initial Stages of Gas-Phase Ethylene Polymerizations with a SiO<sub>2</sub>-Supported Ziegler-Natta Catalyst\*\*](#)**Macromolecular Reaction Engineering**

Fabricio Machado, Enrique Luis Lima, José Carlos Pinto, Timothy F. McKenna

[\*\*Template Synthesis of Aligned Carbon Nanotube Arrays using Glucose as a Carbon Source: Pt Decoration of Inner and Outer Nanotube Surfaces for Fuel-Cell Catalysts\*\*](#)**Advanced Functional Materials**

Zhenhai Wen, Qiang Wang, Jinghong Li

[\*\*Hierarchical WO<sub>3</sub> Hollow Shells: Dendrite, Sphere, Dumbbell, and Their Photocatalytic Properties\*\*](#)**Advanced Functional Materials**

Di Chen, Jinhua Ye

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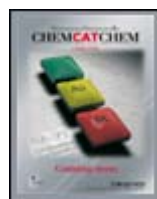
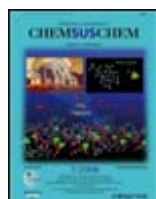
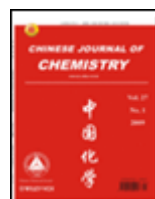
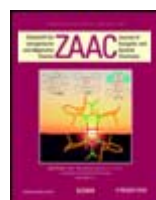
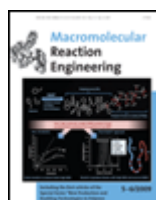
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