Special Issue

Advances in Transition Metal Catalyzed Cross-Coupling

Message from the Guest Editor

Transition metal-catalyzed cross-coupling reactions have gained enormous power in the art of synthetic chemistry by providing a fundamental tool for the formation of a carbon–carbon and a carbon–heteroatom bond in countless relevant academic and industrial applications. Palladium is still a privileged metal that has paved the way for other precious and earth-abundant metals. The latter are promising more sustainable transformations; because of that, the synthesis of new catalysts based on earth-abundant metals and investigation of their catalytic activity are topics of broad interest. Moreover, as an alternative to the traditional single-site cross-coupling that employs one of the metals, i.e., organometallic nucleophile, in stoichiometric amount, an alternative paradigm in which both metals are employed in a catalytic amount, the so-called bimetallic catalysis or dual catalysis, is another step towards making cross-coupling even more ideal. This Special Issue will cover recent progress and trends in cross-coupling catalysis.

Guest Editor

Dr. Martin Gazvoda

Faculty of Chemistry and Chemical Technology, University of Ljubljana, Ljubljana, Slovenia

Deadline for manuscript submissions

closed (15 July 2021)

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/si/59642

Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

mdpi.com/journal/catalysts

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/journal/catalysts

About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Keith Hohn
Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, CAB Abstracts, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Physical) / CiteScore - Q1 (General Environmental Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

MDPI