

**Nanotek for organic synthesis, and organic synthesis for nanotek**

Guest editor: Yoshinori Yamamoto

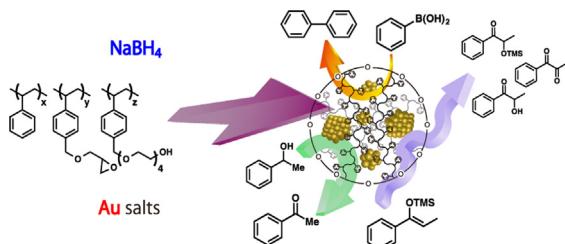
*State Key Laboratory of Fine Chemicals, Dalian University of Technology, Dalian 116023, China
 WPI – AIMR (WPI – Advanced Institute for Materials Research), Tohoku University, Sendai 980-8577, Japan*

Contents

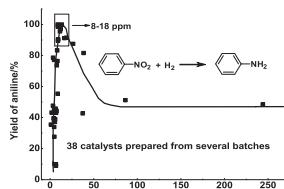
Tetrahedron Symposia-in-Print	pp 6033–6036
Professor Yoshinori Yamamoto	p 6037
Editorial: Organic synthesis for nanotek, and nanotek for organic synthesis	p 6038

NANOTEK FOR ORGANIC SYNTHESIS

Preparation of polymer incarcerated gold nanocluster catalysts (Pi-Au) and their application to aerobic oxidation reactions of boronic acids, alcohols, and silyl enol ethers Hiroyuki Miyamura, Tomohiro Yasukawa, Shū Kobayashi*	pp 6039–6049
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------



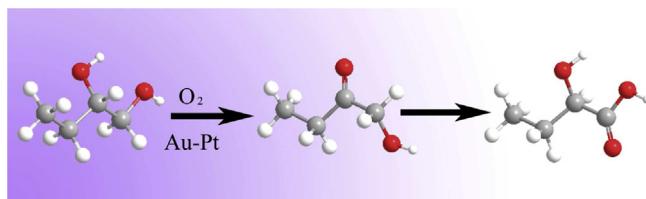
Active Pd/Fe(OH) _x catalyst preparation for nitrobenzene hydrogenation by tracing aqueous phase chlorine concentrations in the washing step of catalyst precursors Chengming Zhang, Xinjiang Cui, Youquan Deng, Feng Shi*	pp 6050–6054
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------



Heterogeneously catalyzed oxidation of butanediols in base free aqueous media

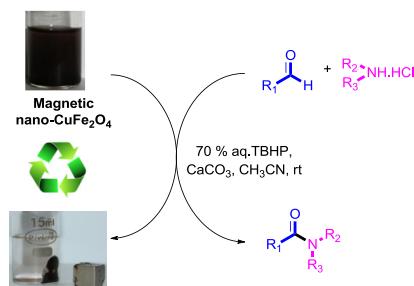
Yulia Ryabenkova, Peter J. Miedziak, David W. Knight, Stuart H. Taylor, Graham J. Hutchings*

pp 6055–6058

**Magnetic CuFe₂O₄ nanoparticles: a retrievable catalyst for oxidative amidation of aldehydes with amine hydrochloride salts**

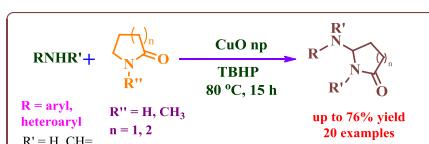
A. Suresh Kumar, B. Thulasiram, S. Bala Laxmi, Vikas S. Rawat, B. Sreedhar*

pp 6059–6067

**Copper catalyzed oxidative cross-coupling of aromatic amines with 2-pyrrolidinone: a facile synthesis of N-aryl-γ-amino-γ-lactams**

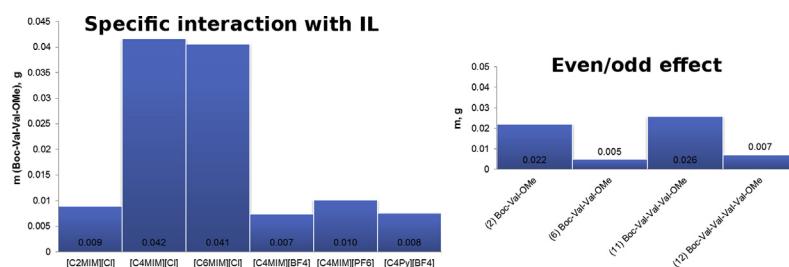
S. Priyadarshini, P.J. Amal Joseph, M. Lakshmi Kantam*

pp 6068–6074

The oxidative coupling of aromatic amines with 2-pyrrolidinone/NMP affords *N*-aryl-γ-amino-γ-lactams.**Nanoscale organization of ionic liquids and their interaction with peptides probed by ¹³C NMR spectroscopy**

Marina M. Seitkalieva, Alexey A. Grachev, Ksenia S. Egorova, Valentine P. Ananikov*

pp 6075–6081



Download English Version:

<https://daneshyari.com/en/article/5216124>

Download Persian Version:

<https://daneshyari.com/article/5216124>

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