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Green Chemistry Blog

Research conducted by LSSU Faculty member Dr. Alexei Iretskii and LSSU Student Makayla Fettig in Green Chemistry was among the most accessed papers from the fall 2010! See the full citation below.

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Top ten most accessed articles in September

04 Nov 2010

By Jackie Cockrill, Publishing Assistant.

This month sees the following articles in *Green Chemistry* that are in the top ten most accessed:-

Catalytic conversion of biomass to biofuels

David Martin Alonso, Jesse Q. Bond and James A. Dumesic

Green Chem., 2010, 12, 1493-1513, DOI: 10.1039/C004654J , Critical Review

Sulfonated silica/carbon nanocomposites as novel catalysts for hydrolysis of cellulose to glucose

Stijn Van de Vyver, Li Peng, Jan Geboers, Hans Schepers, Filip de Clippel, Cedric J. Gommès, Bart Goderis, Pierre A. Jacobs and Bert F. Sels

Green Chem., 2010, 12, 1560-1563, DOI: 10.1039/C0GC00235F , Communication

Synthesis of cyclic carbonates from epoxides and CO₂

Michael North, Riccardo Pasquale and Carl Young

Green Chem., 2010, 12, 1514-1539, DOI: 10.1039/C0GC00065E , Critical Review

Fe₃O₄ nanoparticles: a robust and magnetically recoverable catalyst for three-component coupling of aldehyde, alkyne and amine

Tieqiang Zeng, Wen-Wen Chen, Ciprian M. Cirtiu, Audrey Moores, Gonghua Song and Chao-Jun Li

Green Chem., 2010, 12, 570-573, DOI: 10.1039/B920000B , Communication

Switchable adhesives for carpet tiles: a major breakthrough in sustainable flooring

Peter S. Shuttleworth, James H. Clark, Robert Mantle and Nigel Stansfield

Green Chem., 2010, 12, 798-803, DOI: 10.1039/B922735K , Paper

Liquid phase oxidation of p-xylene to terephthalic acid at medium-high temperatures: multiple benefits of CO₂-expanded liquids

Xiaobin Zuo, Fenghui Niu, Kirk Snavelly, Bala Subramaniam and Daryle H. Busch

Green Chem., 2010, 12, 260-267, DOI: 10.1039/B920262E , Paper

Pausing a stir: heterogeneous catalysis in "dry water"

Benjamin O. Carter, Dave J. Adams and Andrew I. Cooper

Green Chem., 2010, 12, 783-785, DOI: 10.1039/B922508K , Communication

A solvent having switchable hydrophilicity

Philip G. Jessop, Lam Phan, Andrew Carrier, Shona Robinson, Christoph J. Dürr and Jitendra R. Harjani

Green Chem., 2010, 12, 809-814, DOI: 10.1039/B926885E , Paper

Production of liquid hydrocarbon transportation fuels by oligomerization of biomass-derived C₉ alkenes

David Martin Alonso, Jesse Q. Bond, Juan Carlos Serrano-Ruiz and James A. Dumesic

Green Chem., 2010, 12, 992-999, DOI: 10.1039/C001899F , Paper

Catalytic disassembly of an organosolv lignin via hydrogen transfer from supercritical methanol

Katalin Barta, Theodore D. Matson, Makayla L. Fettig, Susannah L. Scott, Alexei V. Iretskii and Peter C. Ford

Green Chem., 2010, 12, 1640-1647, DOI: 10.1039/C0GC00181C , Paper

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Selective synthesis of 1-O-alkyl glycerol and diglycerol ethers by reductive alkylation of alcohols

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