

Documents

Kurokhtina, A.A., Larina, E.V., Schmidt, A.F.

Measuring the kinetic isotope effect at natural isotopic abundances for discriminating between the homogeneous and heterogeneous catalytic mechanisms in the Heck and Suzuki reactions

(2016) *Kinetics and Catalysis*, 57 (1), pp. 32-38.

DOI: 10.1134/S0023158415060063

Document Type: Article

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Kurokhtina, A.A., Larina, E.V., Shmidt, A.F.

Study of the differential selectivity of cross-coupling reactions for elucidating the nature of the true catalyst

(2015) *Kinetics and Catalysis*, 56 (2), pp. 190-196.

DOI: 10.1134/S0023158415020068

Document Type: Article

Source: Scopus

Schmidt, A.F., Kurokhtina, A.A., Larina, E.V.

Differential selectivity measurements and competitive reaction methods as effective means for mechanistic studies of complex catalytic reactions

(2014) *Catalysis Science and Technology*, 4 (10), pp. 3439-3457. Cited 1 time.

DOI: 10.1039/c4cy00479e

Document Type: Review

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Larina, E.V., Kurokhtina, A.A., Schmidt, A.F.

Approach to the Determination of Kinetic Order of Catalyst Deactivation: Observation of Unusual Kinetics in the Suzuki - Miyaura Reaction

(2014) *Mendeleev Communications*, 24 (2), pp. 96-97. Cited 1 time.

DOI: 10.1016/j.mencom.2014.03.010

Document Type: Article

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Kurokhtina, A.A., Larina, E.V., Schmidt, A.F., Malaika, A., Krzyzynska, B., Rechnia, P., Kozlowski, M.

Mechanistic studies of the Suzuki-Miyaura reaction with aryl bromides using Pd supported on micro- and mesoporous activated carbons

(2013) *Journal of Molecular Catalysis A: Chemical*, 379, pp. 327-332. Cited 7 times.

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Schmidt, A.F., Kurokhtina, A.A.

Distinguishing between the homogeneous and heterogeneous mechanisms of catalysis in the mizoroki-heck and suzuki-miyaura reactions: Problems and prospects

(2012) *Kinetics and Catalysis*, 53 (6), pp. 714-730. Cited 19 times.

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Schmidt, A.F., Kurokhtina, A.A., Smirnov, V.V., Larina, E.V., Chechil, E.V.

Competing reaction method for identification of fast and slow steps of catalytic cycles: Application to Heck and Suzuki reactions

(2012) *Kinetics and Catalysis*, 53 (2), pp. 214-221. Cited 2 times.

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Schmidt, A.F., Kurokhtina, A.A., Larina, E.V.

Simple kinetic method for distinguishing between homogeneous and heterogeneous mechanisms of catalysis, illustrated by the example of "ligand-free" Suzuki and Heck reactions of aryl iodides and aryl bromides

(2012) *Kinetics and Catalysis*, 53 (1), pp. 84-90. Cited 10 times.

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Schmidt, A.F., Kurokhtina, A.A., Larina, E.V.

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Polymerization of acetylene in aqueous PdCl₂-CuCl solutions: Novel catalytically active palladium-copper-containing carbon materials

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Problems of distinguishing the homogeneous and heterogeneous mechanisms of the Suzuki reaction

(2010) *Kinetics and Catalysis*, 51 (1), pp. 113-118. Cited 1 time.

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Suzuki reaction: Mechanistic multiplicity versus exclusive homogeneous or exclusive heterogeneous catalysis

(2009) *Arkivoc*, 2009 (11), pp. 185-203. Cited 11 times.

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Schmidt, A.F., Al-Halaiqa, A., Smirnov, V.V., Kurokhtina, A.A.

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(2008) *Kinetics and Catalysis*, 49 (5), pp. 638-643. Cited 5 times.

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