



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

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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.

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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., 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.

DOI: 10.1134/S0023158412020103

Document Type: Article

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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.

Role of a base in suzuki-miyaura reaction

(2011) *Russian Journal of General Chemistry*, 81 (7), pp. 1573-1574. Cited 15 times.

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