

Список публикаций по представляемой работе:

1. Valishina, E. A.; Guedes da Silva, M. F. C.; Kinzhakov, M. A.; Timofeeva, S. A.; Buslaeva, T. M.; Haukka, M.; Pombeiro, A. J. L.; Boyarskiy, V. P.; Kukushkin, V. Yu.; Luzyanin, K. V. **Palladium-ADC complexes as efficient catalysts in copper-free and room temperature Sonogashira coupling**, *J. Mol. Catal. A*, **2014**, 395, 162–171. DOI: 10.1016/j.molcata.2014.08.018
2. Kinzhakov, M. A.; Luzyanin, K. V.; Boyarskaya, I. A.; Starova, G. L.; Boyarskiy, V. P. **Synthetic and structural investigation of PdBr₂(CNR)(2) (R = Cy, Xyl)**, *J. Mol. Struct.* **2014**, 1068, 222–227. DOI: 10.1016/j.molstruc.2014.04.025
3. Anisimova, T. B.; Guedes da Silva, M. F. C.; Pombeiro, A. J. L.; Kukushkin, V. Yu.; Luzyanin, K. V. **Metal-mediated coupling of amino acid esters with isocyanides leading to new chiral acyclic aminocarbene complexes**, *Dalton Trans.* **2014**, 15861–15871. DOI: 10.1039/c4dt01917b
4. Rocha, B. G. M.; Valishina, E. A.; Chay, R. S.; Guedes da Silva, M. F. C.; Buslaeva, T. M.; Pombeiro, A. J. L.; Kukushkin, V. Yu.; Luzyanin, K. V. **ADC-metal complexes as effective catalysts for hydrosilylation of alkynes**, *J. Catal.*, **2014**, 309, 79–86. DOI: 10.1016/j.jcat.2013.09.003
5. Kinzhakov, M. A.; Boyarskiy, V. P.; Luzyanin, K. V.; Dolgushin, F. M.; Kukushkin, V. Yu. **ADC-Based palladium catalysts for aqueous Suzuki–Miyaura cross-coupling exhibit greater activity than the most advantageous catalytic systems**, *Organometallics*, **2013**, 32, 5212–5223. DOI: 10.1021/om4007592
6. Kinzhakov, M. A.; Luzyanin, K. V.; Boyarskiy, V. P.; Haukka, M.; Kukushkin, V. Yu. **Coupling of aminoazaheterocycles with isocyanides in palladium(II) complex**, *Izv. Akad. Nauk: Ser. Khim. (Russ. Chem. Bull.)*, **2013**, 62, 758–766. DOI: 10.1007/s11172-013-0103-4
7. Kinzhakov, M. A.; Boyarskiy, V. P.; Luzyanin, K. V.; Dolgushin, F. M.; Kukushkin, V. Yu. **Metal-mediated coupling of a coordinated isocyanide and indazoles**, *Dalton Trans.*, **2013**, 10394–10397. DOI: 10.1039/c3dt51335a
8. Valishina, E. A.; Buslaeva, T. M.; Luzyanin, K. V. **New acyclic aminocarbene palladium(ii) complexes as convenient catalysts for the Sonogashira and Suzuki cross-coupling**, *Izv. Akad. Nauk: Ser. Khim. (Russ. Chem. Bull.)*, **2013**, 62, 1361–1365. DOI: 10.1007/s11172-013-0193-z
9. Kritchenkov, A. S.; Luzyanin, K. V.; Bokach, N. A.; Kuznetsov, M. L.; Gurzhiy, V. V.; Kukushkin, V. Yu. **Selective nucleophilic oxygenation of palladium-bound isocyanide ligands: a route to imine complexes that serve as efficient catalysts for copper/phosphine-free Sonogashira reaction**, *Organometallics*, **2013**, 32, 1979–1987. DOI: 10.1021/om4000665
10. Chay, R. S.; Luzyanin K. V.; Kukushkin, V. Yu.; Guedes da Silva, M. F. C.; Pombeiro, A. J. L. **Novel palladium-aminocarbene species derived from metal-mediated coupling of isonitriles and**

1,3-diiminoisoindoline: synthesis and catalytic application in Suzuki–Miyaura cross-coupling, *Organometallics*, **2012**, *31*, 2379–2387. DOI: 10.1021/om300020j

11. Chay, R. S.; Luzyanin K. V. **Evaluation of catalytic properties of aminocarbene species derived from the integration between 3-iminoisoindolin-1-ones and palladium-bound isonitriles in Suzuki–Miyaura cross-coupling**, *Inorg. Chim. Acta (Young Investigator Award Special Issue)*, **2012**, *380*, 322–327. DOI: 10.1016/j.ica.2011.09.047
12. Luzyanin, K. V.; Guedes da Silva, M. F. C.; Kukushkin, V. Yu.; Pombeiro, A. J. L. **First example of an imine addition to coordinated isonitrile**, *Inorg. Chim. Acta (Topical Volume Dedicated to B. Lippert)*, **2009**, *362*(3), 833–888. DOI: 10.1016/j.ica.2008.02.026
13. Luzyanin, K. V.; Pombeiro, A. J. L.; Haukka, M.; Kukushkin, V. Yu. **Coupling between 3-iminoisoindolin-1-ones and complexed isonitriles as a metal-mediated route to a novel type of palladium and platinum iminocarbene species**, *Organometallics*, **2008**, *27*, 5379–5389. DOI: 10.1021/om800517c