**СВЕДЕНИЯ**

**о ведущей организации**

|  |  |  |
| --- | --- | --- |
| **Полное наименование организации, сокращенное наименование организации** | **Место нахождения****(страна, город)** | **Почтовый адрес (индекс, город, улица, дом),****телефон (при наличии);****адрес электронной почты (при наличии), адрес официального сайта в сети "Интернет" (при наличии)** |
| Федеральное государственное бюджетное учреждение науки Иркутский институт химии им. А. Е. Фаворского Сибирского отделения Российской академии наук, ИрИХ СО РАН | Российская Федерация, г. Иркутск | Почтовый адрес: 664033, г. Иркутск, ул. Фаворского, 1Телефон: (3952) 51-14-31Факс: (3952) 41-93-46 E-mail: irk\_inst\_chem@irioch.irk.ruhttp://www.irkinstchem.ru/ |
| Список основных публикаций работников ведущей организации по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15 публикаций): |
| 1. Petrushenko, I.K. Effect of meso-substituents on the electronic transitions of BODIPY dyes: DFT and RI-CC2 study / I.K. Petrushenko, K.B. Petrushenko // Spectrochim. Acta A – 2015. – V. 138. – P. 623-627.
2. Trofimov, B.A. Direct synthesis of butadiynyl-substituted pyrroles under solvent- and transition metal-free conditions / D.N. Tomilin, B. Pigulski, N. Gulia, A. Arendt, L.N. Sobenina, A.I. Mikhaleva, S. Szafert, B.A. Trofimov // RSC Adv. – 2015. – V. 5. – P. 73241-73248.
3. Trofimov, B.A. First Example of Noncatalytic C2 –H Functionalization of Imidazole Ring with an Alkoxy Enone System / B.A. Trofimov, L.P. Nikitina, L.V. Andriyankova, K.V. Belyaeva, A.V. Afonin, A.G. Mal’kina // Russ. J. Org. Chem – 2016. – V. 52 – P. 602-604.
4. Gusarova, N.K. One-pot regio- and stereoselective synthesis of tertiary phosphine chalcogenides with (E)-N-ethenyl-1,2-dihydroquinoline functionalities / N.K. Gusarova, P.A. Volkov, N.I. Ivanova, K.O. Khrapova, A.I. Albanov, A.V. Afonin, T.N. Borodina, B.A. Trofimov // Tetrahedron Lett. – 2016. – V. 57. – P. 3776-3780.
5. Trofimov, B.A. (Imidazol‐2‐yl)methyl‐1,3‐propanediones: Regioselective C–H Functionalization of the Imidazole Ring by Acylacetylene/Aldehyde Pairs / B.A. Trofimov, L.V. Andriyankova, L.P. Nikitina, K.V. Belyaeva, A.G. Mal’kina, I.Yu. Bagryanskaya, A.V. Afonin, I.A. Ushakov // Eur. J. Org. Chem. – 2016. – P. 1199-1204.
6. Levkovskaya, G.G. Novel directed synthesis of functionalized pyrazole derivatives via regioselective solvent-free thiylation of 3-alkenylpyrazoles with arenethiols / G.G. Levkovskaya, E.V. Rudyakova, V.A. Kobelevskaya, A.V. Popov, I.B. Rozentsveig // ARKIVOC. – 2016. – V. 3. – P. 82-98.
7. Sadykov, E.Kh. Reaction of 1-[2-(Vinyloxy)ethyl]-1H-pyrroles with Trifluoroacetic Anhydride / E.Kh. Sadykov, N.A. Lobanova, V.K. Stankevich // Russ. J. Org. Chem. – 2016. – V. 52. – P. 533-537.
8. Tomilin, D.N. N-Vinyl-2-(trifluoroacetylethynyl)pyrroles and E-2-(1-bromo-2- trifluoroacetylethenyl)pyrroles: Cross-coupling vs. addition during C-H-functionalization of pyrroles with bromotrifluoroacetylacetylene in solid Al2O3 medium. H-bonding control / D.N. Tomilin, M.D. Gotsko, L.N. Sobenina, I.A. Ushakov, A.V. Afonin, D.Yu. Soshnikov, A.B. Trofimov, A.B. Koldobsky, B.A. Trofimov // J. Fluorine Chem. – 2016. – V. 186. – P. 1-6.
9. Schmidt, E.Yu. Synthesis of Acyl Terphenyls and Higher Polyaromatics via Base-Promoted C–H Functionalization of Acetylarenes with Arylacetylenes / E.Yu. Schmidt, E.V. Ivanova, I.V. Tatarinova, I.A. Ushakov, N.V. Semenova, A.V. Vashchenko, B.A. Trofimov // Org. Lett. – 2016. – V. 18. – P. 2158-2161.
10. Pigulski, B. Transition-Metal Free Mechanochemical Approach to Polyyne Substituted Pyrroles / B. Pigulski, A. Arendt, D.N. Tomilin, L.N. Sobenina, B.A. Trofimov, S. Szafert // J. Org. Chem. – 2016. – V. 81. – P. 9188-9198.
11. Tomilin, D.N. Synthesis and Optical Properties of meso-CF3-BODIPY with Acylethynyl Substituents in the 3-Position of the Indacene Core / D.N. Tomilin, K.B. Petrushenko, L.N. Sobenina, M.D. Gotsko, I.A. Ushakov, A.D. Skitnevskaya, A.B. Trofimov, B.A. Trofimov // Asian J. Org. Chem. – 2016. – V. 5. – P. 1288-1294.
12. Volkov, P.A. Catalyst-Free Phosphorylation of Acridine with Secondary Phosphine Chalcogenides: Nucleophilic Addition vs SNHAr Reaction / P.A. Volkov, K.O. Khrapova, A.A. Telezhkin, N.I. Ivanova, A.I. Albanov, N.K. Gusarova, B.A. Trofimov // Org. Lett. – 2018. – V. 20. – P. 7388-7391.
13. Trofimov, B.A. Metal-free site selective cross-coupling of pyridines with secondary phosphine chalcogenides using acylacetylenes as oxidants / B.A. Trofimov, P.A. Volkov, K.O. Khrapova, A.A. Telezhkin, N.I. Ivanova, A.I. Albanov, N.K. Gusarova, O.N. Chupakhin // Chem. Commun. – 2018. – V. 54(27). – P. 3371-3374.
14. Trofimov, B.A. Transition metal-free one-pot double C-H functionalization of quinolines by disubstituted electron-deficient acetylenes / B.A. Trofimov, K.V. Belyaeva, L.P. Nikitina, A.G. Mal'kina, A.V. Afonin, I.A. Ushakov, A.V. Vashchenko // Chem. Commun. – 2018. – V. 54. – P. 5863-5866.
15. Volkov, P.A. Solvent-free synthesis of 4-chalcogenophosphorylpyridines via SNHAr reaction of pyridines with secondary phosphine chalcogenides / P.A. Volkov, N.I. Ivanova, K.O. Khrapova, A.A. Telezhkin, T.N. Borodina, N.K. Gusarova, B.A.Trofimov // Mendeleev Commun. – 2018. – V. 28. – P. 582-583.
 |