

Избранные публикации ведущей организации

Федеральное государственное бюджетное учреждение науки
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по тематике защищаемой диссертации

1. Competition between Two Modes of 6 π -Photocyclization: A Case Study for 3-(1, 2-Diarylvinyl)-2-arylimidazo [1, 2-a] pyridines/ A. O. Ustyuzhanin, I. A. Bidusenko, E. K. Kouame, [et al.] //European Journal of Organic Chemistry. – 2022. – V. 2022. – №. 37. – P. e202200921.
2. Solvent dependent photoswitching and emission of diarylethenes with a π -conjugated push-pull system/ E. M. Glebov, V. V. Semionova, S. K. Lazareva, [et al.] //Journal of Luminescence. – 2022. – V. 241. – P. 118472.
3. Revisiting Peri-Aryloxyquinones: From a Forgotten Photochromic System to a Promising Tool for Emerging Applications/ A. G. Lvov, L. S. Klimenko, V. N. Bykov, S. Hecht //Chemistry–A European Journal. – 2024. – V. 30. – №. 11. – P. e202303654.
4. Lvov A. G. Light-Induced Dyotropic Rearrangement of Diarylethenes: Scope, Mechanism, and Prospects/ A. G. Lvov, E. Koffi Kouame, M. M. Khusniyarov //Chemistry–A European Journal. – 2023. – V. 29. – №. 60. – P. e202301480.
5. Photocontrollable Modulation of Frontier Molecular Orbital Energy Levels of Cyclopentenone-Based Diarylethenes/ A. G. Lvov, M. Herder, L. Grubert, [et al.] //The Journal of Physical Chemistry A. – 2021. – V. 125. – №. 17. – P. 3681-3688.
6. Azulene as an ingredient for visible-light-and stimuli-responsive photoswitches/ A. G. Lvov, A. Bredihhin //Organic & Biomolecular Chemistry. – 2021. – V. 19. – №. 20. – P. 4460-4468.
7. Synthesis of Pyrrolo [2, 1-a] isoquinolinium Salts from 1-Pyrrolines and Alkynes via Rhodium-Catalyzed C–H Functionalization/N-Annulation Tandem Reaction/ D. A. Shabalin, M. K. Kazak, I. A. Ushakov, [et al.] //The Journal of Organic Chemistry. – 2022. – V. 87. – №. 10. – P. 6860-6869.
8. Shabalin D. A. Unveiling the N-Nucleophilicity of Non-Aromatic Pyrroles Through Rhodium Catalysis: A Case of Synthesis and Luminescence Studies of Pyrrolo [2, 1-a] isoquinolinium Salts/ D. A. Shabalin, L. E. Zelenkov //ChemistrySelect. – 2023. – V. 8. – №. 22. – P. e202301840.
9. Macrocyclic Bridgehead Fluorophores, Pyrrolyl-diazabicyclo [8.3. 1] tetradecadienones, with Giant Stokes Shifts/ B. A. Trofimov, L. N. Sobenina, O. V. Petrova, [et al.] //The Journal of Organic Chemistry. – 2024. – V. 89. – №. 24. – P. 18142-18158.
10. Activation of anthraquinone's electrophilicity by light for a dynamic C–O Bond/ V. N. Bykov, S. A. Ukhanev, I. A. Ushakov, [et al.] //Journal of the American Chemical Society. – 2024. – V. 146. – №. 3. – P. 1799-1805.