

Projekta Izp-2019/1-0231 rezultāti

Karbēna-metāla-amīda kompleksu strukturāla modifikācija termiski aktivētas aizzurētās fluorescences zilās gaismas OLED emiteru ieguvei

Oriģināli zinātniskie raksti, kuru citēšanas indekss sasniedz vismaz 50 procentus no nozares vidējā citēšanas indeksa, kas iesniegti, vai pieņemti publicēšanai Web of Science Core Collection, vai SCOPUS datubāzēs iekļautajos žurnālos vai konferenču rakstu krājumos:

1. Ruduss, A.; Turovska, B.; Belyakov, S.; Stucere, K.A.; Vembris, A.; Traskovskis, K. Carbene–Metal Complexes As Molecular Scaffolds for Construction of through-Space Thermally Activated Delayed Fluorescence Emitters. - Inorganic Chemistry, 2022, <https://doi.org/10.1021/acs.inorgchem.1c03371>
2. Ruduss, A.; Turovska, B.; Belyakov, S.; Stucere, K.K.; Vembris, A.; Baryshnikov, G.; Ågren, H.; Lu, J.C.; Lin, W.H.; Chang, C.H.; Traskovskis, K. Thiazoline Carbene–Cu(I)–Amide complexes: Efficient White Electroluminescence from Combined Monomer and Excimer Emission. - ACS Applied Materials & Interfaces, 2022, <https://doi.org/10.1021/acsami.2c00847>
3. Ruduss, A.; Sisojevs, Z.; Belyakov, S.; Traskovskis, K. Mesyl and Triflyl Functionalized N-Heterocyclic Carbenes as Acceptor Fragments in Luminescent Carbene–Metal–Amide Complexes. - Synlett, 2022, <https://doi.org/10.1055/a-1988-1984>
4. Ruduss, A.; Belyakov, S.; Stucere, K.A.; Vembris, A.; Traskovskis, K. Light emission mechanism in dimers of carbene–metal–amide complexes. - Physical Chemistry Chemical Physics, 2022, <https://doi.org/10.1039/D2CP05237G>

Oriģināli zinātniskie raksti, kas iesniegti, vai pieņemti publicēšanai Web of Science vai SCOPUS datubāzēs iekļautajos žurnālos vai konferenču rakstu krājumos:

1. Jece, A.; Ruduss, A.; Stucere, K.A.; Vembris, A.; Traskovskis, K. TADF active carbene-metal-amide complexes exhibiting through-space charge transfer: an impact of metal atom. - Proceedings of SPIE - The International Society for Optical Engineering, 2022, <https://doi.org/10.1117/12.2621156>
2. Ruduss, A.; Sisojevs, Z.; Vembris, A.; Stucere, K.; Traskovskis, K. Symmetrical versus asymmetrical molecular configuration in metal-assisted-through-space charge transfer TADF. - Proceedings of SPIE - The International Society for Optical Engineering, 2022, <https://doi.org/10.1117/12.2620983>