

**СВЕДЕНИЯ об официальном оппоненте
(Согласие на оппонирование)**

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согласена быть официальным оппонентом

Ван Цзяин
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по кандидатской / докторской (подчеркнуть) диссертации на тему:

**«Синтез фторсодержащих флаванонов и флавонов на основе трансформаций
2'-гидроксихалконов и их предшественников»**

по специальности 1.4.3. Органическая химия (Химические науки)

О себе сообщаю:

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шифр и наименование специальности 02.00.03 «Органическая химия»

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Я согласен(на) на включение и дальнейшую обработку моих персональных данных, необходимых для процедуры защиты диссертации соискателя, исходя из нормативных документов Правительства РФ, Минобрнауки России и ВАК, в том числе на размещение их в сети Интернет на сайте НИОХ СО РАН, на сайте ВАК, в единой информационной системе.

Перечень опубликованных работ по специальности оппонируемой диссертации (за последние 5 лет):

1. Hodée M., Moshkina T.N., Massue J., Fihey A., Roisnel T., Katan C., Nosova E., Achelle S. Prompt and Thermally Activated Delayed Fluorescence of Quinazoline-Based Derivatives: A Joint Experimental and Theoretical Study (2025) *ChemPhotoChem*, 9 (1), art. no. e202400259, DOI: 10.1002/cptc.202400259.
2. Nosova E.V., Lipunova G.N., Permyakova J.V., Charushin V.N. Chemosensors based on quinazoline moieties (2025) *Dyes and Pigments*, 235, art. no. 112638, DOI: 10.1016/j.dyepig.2025.112638.
3. Kopotilova A.E., Ivan'kina M.A., Starnovskaya E.S., Moshkina T.N., Gazizov D.A., Ganebnykh I.N., Nosova E.V., Charushin V.N. Asymmetric fluorinated 2,3-bis(5-arylthiophen-2-yl)quinoxalines: Synthesis and photophysical properties (2025) *Photochemistry and Photobiology A: Chemistry*, 461, art. no. 116161, DOI: 10.1016/j.jphotochem.2024.116161.

4. Kopotilova A.E., Valieva M.I., Starnovskaya E.S., Moshkina T.N., Nosova E.V., S.Taniya O., Kalinichev A.A., Kopchuk D.S., Slepukhin P.A., Gaviko V.S., Kim G.A., Charushin V.N. Fluorinated derivatives of 2-azinyl-4-(4-aminophenyl)quinazolines: Synthesis and photophysical properties (2024) *Journal of Photochemistry and Photobiology A: Chemistry*, 448, art. no. 115350, DOI: 10.1016/j.jphotochem.2023.115350.
5. Kopotilova A.E., Valieva M.I., Kudryashova E.A., Starnovskaya E.S., Moshkina T.N., Nosova E.V., Taniya O.S., Kalinichev A.A., Novikov A.S., Kopchuk D.S., Slepukhin P.A., Charushin V.N. Methyl- and Methoxy-substituted 2-(Pyridin-2-yl)-4-(4-aminophenyl)quinazolines: Synthesis and Photophysical Properties (2024) *Asian Journal of Organic Chemistry*, 13 (7), art. no. e202400135, DOI: 10.1002/ajoc.202400135.
6. Stoikov I.I., Antipin I.S., Burilov V.A., Kurbangalieva A.R., Rostovskii N.V., Pankova A.S., Balova I.A., Remizov Y.O., Pevzner L.M., Petrov M.L., Vasilyev A.V., Averin A.D., Beletskaya I.P., Nenajdenko V.G., Beloglazkina E.K., Gromov S.P., Karlov S.S., Magdesieva T.V., Prishchenko A.A., Popkov S.V., Terent'ev A.O., Tsaplin G.V., Kustova T.P., Kochetova L.B., Magdalinova N.A., Krasnokutskaya E.A., Nyuchev A.V., Kuznetsova Y.L., Fedorov A.Y., Egorova A.Y., Grinev V.S., Sorokin V.V., Ovchinnikov K.L., Kofanov E.R., Kolobov A.V., Rusinov V.L., Zyryanov G.V., Nosova E.V., Bakulev V.A., Belskaya N.P., Berezhkina T.V., Obydenov D.L., Sosnovskikh V.Y., Bakhtin S.G., Baranova O.V., Doroshkevich V.S., Raskildina G.Z., Sultanova R.M., Zlotskii S.S., Dyachenko V.D., Dyachenko I.V., Fisyuk A.S., Konshin V.V., Dotsenko V.V., Ivleva E.A., Reznikov A.N., Klimochkin Y.N., Aksenov D.A., Aksenov N.A., Aksenov A.V., Burmistrov V.V., Butov G.M., Novakov I.A., Shikhaliev K.S., Stolpovskaya N.V., Medvedev S.M., Kandalintseva N.V., Prosenko O.I., Menshchikova E.B., Golovanov A.A., Khashirova S.Y. Organic Chemistry in Russian Universities. Achievements of Recent Years (2024) *Russian Journal of Organic Chemistry*, 60 (8), pp. 1361-1584, DOI: 10.1134/S1070428024080013.
7. Krinochkin A.P., Valieva M.I., Kopchuk D.S., Nosova E.V., Kim G.A., Sayfutdinova Y.M., Tanya O.S., Zyryanov G.V., Charushin V.N. 2-(Pyridin-2-yl)quinazolin-4(3H)-one derivatives as new ligands for lanthanide(III) cations (2024) *Russian Chemical Bulletin*, 73 (7), pp. 1923-1930, DOI: 10.1007/s11172-024-4310-y.
8. Moshkina T.N., Kopotilova A.E., Ivan'kina M.A., Starnovskaya E.S., Gazizov D.A., Nosova E.V., Kopchuk D.S., El'tsov O.S., Slepukhin P.A., Charushin V.N. Design, Synthesis, and Photophysical Properties of 5-Aminobiphenyl Substituted [1,2,4]Triazolo[4,3-c]- and [1,2,4]Triazolo[1,5-c]quinazolines (2024) *Molecules*, 29 (11), art. no. 2497, DOI: 10.3390/molecules29112497.
9. Moshkina T.N., Kopotilova A.E., Gazizov D.A., Valieva M.I., Starnovskaya E.S., Kalinichev A.A., Kopchuk D.S., Nosova E.V., Charushin V.N. Modified 2,3-bis(thienyl)quinoxaline fluorophores as potential chemosensors (2024) *Russian Chemical Bulletin*, 73 (6), pp. 1745-1754, DOI: 10.1007/s11172-024-4292-9.
10. Nosova E.V., Lipunova G.N., Permyakova Y.V., Charushin V.N. Quinazolines annelated at the N(3)–C(4) bond: Synthesis and biological activity (2024) *European Journal of Medicinal Chemistry*, 271, art. no. 116411, DOI: 10.1016/j.ejmech.2024.116411.
11. Valieva M.I., Starnovskaya E.S., Kopchuk D.S., Sharafieva E.R., Slovesnova N.V., Kovalev I.S., Nosova E.V., Zyryanov G.V., Chupakhin O.N. An Effective Synthetic Approach to of 2-([5'-Aryl-2,2'-bipyridin]-6-yl)-5-aryl-1,3,4-oxadiazoles (2023) *Russian Journal of Organic Chemistry*, 59 (8), pp. 1445-1448, DOI: 10.1134/S1070428023080195.
12. Tsmokalyuk A., Mozharovskaia P., Belina E., Balin I., Nosova E., Matern A., Kozitsina A. Electrochemical Reduction of 2-Substituted Quinoxalines in Aprotic Medium and in Conditions of Protonation (2023) *Analytical and Bioanalytical Electrochemistry*, 15 (3), pp. 184-197, DOI: 10.22034/abec.2023.703900.

13. Verbitskiy E.V., Lipunova G.N., Nosova E.V., Charushin V.N. Advances in the design of functionalized 1,4-diazines as components for photo- or/and electroactive materials (2023) *Dyes and Pigments*, 220, art. no. 111763, DOI: 10.1016/j.dyepig.2023.111763.
14. Manna S., Das K., Santra S., Nosova E.V., Zyryanov G.V., Halder S. Structural and Synthetic Aspects of Small Ring Oxa- and Aza-Heterocyclic Ring Systems as Antiviral Activities (2023) *Viruses*, 15 (9), art. no. 1826, DOI: 10.3390/v15091826.
15. Valieva M.I., Rybakova S.S., Kudryashova E.A., Rahman M., Santra S., Kopchuk D.S., Nosova E.V., Gorbunov E.B., Zyryanov G.V., Chupakhin O.N. Cyclocondensation of anthranilic acids with generated in situ methyl pyrimidine-2-carbimide in the synthesis of 2-(pyrimidin-2-yl)quinazolin-4(3H)-ones (2023) *Russian Chemical Bulletin*, 72 (12), pp. 2974-2978, DOI: 10.1007/s11172-023-4108-3.
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17. Nosova E.V., Butorin I.I., Likhacheva M.D., Kotovskaya S.K. Synthesis and cytotoxic activity of (2-arylquinazolin-4-yl)hydrazones of 2-hydroxybenzaldehydes (2023) *Chimica Techno Acta*, 10 (2), art. no. 202310211, DOI: 10.15826/chimtech.2023.10.2.11.
18. Moshkina T.N., Nosova E.V., Kopotilova A.E., Ośmiałowski B., Reguant A.I., Slepukhin P.A., Lipunova G.N., Taniya O.S., Kalinichev A.A., Charushin V.N. (A)symmetric chromophores based on cyano and fluorine-substituted 2,3-bis(5-arylthiophen-2-yl)quinoxalines: Synthesis, photophysical properties and application prospects (2022) *Dyes and Pigments*, 204, art. no. 110434, DOI: 10.1016/j.dyepig.2022.110434.
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20. Krinochkin A.P., Shtaitz Y.K., Savchuk M.I., Kopchuk D.S., Slovesnova N.V., Kovalev I.S., Nosova E.V., Zyryanov G.V., Chupakhin O.N. Solvent-Free Synthesis of 2-[(Di)aminophenyl]-1,3,4-oxadiazoles (2022) *Russian Journal of Organic Chemistry*, 58 (7), pp. 1064-1066, DOI: 10.1134/S1070428022070181.
21. Nosova E.V., Kopotilova A.E., Ivan'kina M.A., Moshkina T.N., Kopchuk D.S. Synthesis of 5-(4-bromophenyl)- and 5-(5-bromothiophen-2-yl)-substituted 3-aryl[1,2,4]triazolo[4,3-c]quinazolines (2022) *Russian Chemical Bulletin*, 71 (7), pp. 1483-1487, DOI: 10.1007/s11172-022-3554-7.
22. Krinochkin A.P., Shtaitz Y.K., Kudryashova E.A., Ladin E.D., Kopchuk D.S., Zyryanov G.V., Shafran Y.M., Nosova E.V., Chupakhin O.N. Interaction of 2-Amino-1,3,4-thiadiazoles with 1,2,4-Triazine-5-carbonitriles (2022) *Doklady Chemistry*, 504 (1), pp. 79-82, DOI: 10.1134/S0012500822600146.
23. Nosova E.V., Kopotilova A.E., Likhacheva M.D., Moshkina T.N., Kopchuk D.S. Synthesis of Novel Derivatives of 5-Aryl/thienyl-[1,2,4]triazolo[4,3-c]quinazoline (2022) *Doklady Chemistry*, 505 (2), pp. 164-167, DOI: 10.1134/S0012500822600298.
24. Moshkina T.N., Nosova E.V., Kopotilova A.E., Savchuk M.I., Nikonov I.L., Kopchuk D.S., Slepukhin P.A., Kim G.A., Lipunova G.N., Charushin V.N. Synthesis and photophysical properties of pyridyl- and quinolinyl-substituted 4-(4-aminophenyl)quinazolines (2022) *Journal of Photochemistry and Photobiology A: Chemistry*, 429, art. no. 113917, DOI: 10.1016/j.jphotochem.2022.113917.
25. Moshkina T.N., Nosova E.V., Permyakova J.V., Lipunova G.N., Valova M.S., Slepukhin P.A., Sadieva L.K., Charushin V.N. Synthesis and photophysical properties of 2-aryl-4-(morpholin-4-yl)quinazoline chromophores: The effect of π -linker moiety (2022) *Dyes and Pigments*, 206, art. no. 110592, DOI: 10.1016/j.dyepig.2022.110592.

26. Moshkina T.N., Nosova E.V., Permyakova J.V., Lipunova G.N., Zhilina E.F., Kim G.A., Slepukhin P.A., Charushin V.N. Push-Pull Structures Based on 2-Aryl/thienyl Substituted Quinazolin-4(3H)-ones and 4-Cyanoquinazolines (2022) *Molecules*, 27 (21), art. no. 7156, DOI: 10.3390/molecules27217156.
27. Moshkina T.N., Nosova E.V., Kopotilova A.E., Savchuk M.I., Nikonov I.L., Kopchuk D.S., Khalymbadza I.A., Slepukhin P.A., Ganebnykh I.N., Charushin V.N. Synthesis and photophysical properties of pyridyl- and quinoliny-substituted bis(arylthienyl)pyridines (2022) *Journal of Photochemistry and Photobiology A: Chemistry*, 427, art. no. 113805, DOI: 10.1016/j.jphotochem.2022.113805.
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30. Nosova E.V., Permyakova Y.V., Lipunova G.N., Charushin V.N. New Fluorine-Containing Derivatives of 4-Anilino-2-(methylsulfanyl)quinazolines (2021) *Russian Journal of Organic Chemistry*, 57 (3), pp. 479-482, DOI: 10.1134/S1070428021030222.
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32. Krinochkin A.P., Kopchuk D.S., Kim G.A., Shevyrin V.A., Egorov I.N., Santra S., Nosova E.V., Zyryanov G.V., Chupakhin O.N., Charushin V.N. Highly-luminescent DTTA-appended lanthanide complexes of 4-(multi)fluoroaryl-2,2'-bipyridines: Synthesis and photophysical studies (2021) *Polyhedron*, 195, art. no. 114962, DOI: 10.1016/j.poly.2020.114962.
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