

Irina Novosjolova

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Photophysical and Electrical Properties of Highly Luminescent 2/6-Triazolyl-Substituted Push-Pull Purines. <i>ACS Omega</i> , 2022, 7, 5242-5253. | 3.5 | 11 |
| 2 | Application of Azide-Tetrazole Tautomerism and Arylsulfanyl Group Dance in the Synthesis of Thio-substituted Tetrazoloquinazolines. <i>Synthesis</i> , 2021, 53, 1443-1456. | 2.3 | 6 |
| 3 | 1,2,3-Triazoles as leaving groups in S _N Ar reactions: synthesis of C6-phosphonated purine derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 193-202. | 2.2 | 6 |
| 4 | Synthesis of 2-triazolylpurine Phosphonates. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 55-62. | 1.2 | 3 |
| 5 | All-organic fast intersystem crossing assisted exciplexes exhibiting sub-microsecond thermally activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4532-4543. | 5.5 | 18 |
| 6 | 1,2,3-Triazoles as leaving groups: S _N Ar reactions of 2,6-bis-triazolylpurines with O- and C-nucleophiles. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 410-419. | 2.2 | 3 |
| 7 | Toward unsymmetrical 2,6-bis-triazolylpurine nucleosides. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 292-297. | 1.2 | 3 |
| 8 | Synthesis and photophysical properties of 2-azolyl-6-piperidinylpurines. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 560-567. | 1.2 | 5 |
| 9 | Applications of Purine Ring Opening in the Synthesis of Imidazole, Pyrimidine, and New Purine Derivatives. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5027-5052. | 2.4 | 14 |
| 10 | Synthesis of Azido and Triazolyl Purine Ribonucleosides. <i>Current Protocols</i> , 2021, 1, e241. | 2.9 | 1 |
| 11 | Nucleophile-nucleofuge duality of azide and arylthiolate groups in the synthesis of quinazoline and tetrazoloquinazoline derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7706-7723. | 2.8 | 6 |
| 12 | Proof of principle of a purine D ⁺ A ⁻ D ²⁺ ligand based ratiometric chemical sensor harnessing complexation induced intermolecular PET. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 26502-26508. | 2.8 | 6 |
| 13 | Sulfonyl Group Dance: A Tool for the Synthesis of 6-Azido-2-sulfonylpurine Derivatives. <i>Journal of Organic Chemistry</i> , 2020, 85, 4753-4771. | 3.2 | 11 |
| 14 | 2,6-Bis[4-(4-butylphenyl)-1H-1,2,3-triazol-1-yl]-9-dodecyl-9H-purine. <i>MolBank</i> , 2019, 2019, M1073. | 0.5 | 0 |
| 15 | Synthesis and fluorescent properties of N(9)-alkylated 2-amino-6-triazolylpurines and 7-deazapurines. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 474-489. | 2.2 | 19 |
| 16 | A Single Amide Linkage in the Passenger Strand Suppresses Its Activity and Enhances Guide Strand Targeting of siRNAs. <i>ACS Chemical Biology</i> , 2018, 13, 533-536. | 3.4 | 23 |
| 17 | Purine-Furan and Purine-Thiophene Conjugates. <i>MolBank</i> , 2018, 2018, M1024. | 0.5 | 2 |
| 18 | 2-Methoxypyridine as a Thymidine Mimic in Watson-Crick Base Pairs of DNA and PNA: Synthesis, Thermal Stability, and NMR Structural Studies. <i>ChemBioChem</i> , 2017, 18, 2165-2170. | 2.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Synthesis and Applications of Silyl 2-Methylpropyl Sulfonates in Preparative Silylation and GC-MS Derivatization Reactions of Polyols and Carbohydrates. <i>Chemistry - A European Journal</i> , 2016, 22, 4196-4205. | 3.3 | 9 |
| 20 | Development of N6-methyl-2-(1,2,3-triazol-1-yl)-2-deoxyadenosine as a novel fluorophore and its application in nucleotide synthesis. <i>Tetrahedron Letters</i> , 2016, 57, 1174-1178. | 1.4 | 20 |
| 21 | Structural characterization of cevimeline and its trans -impurity by single crystal XRD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 118, 404-409. | 2.8 | 2 |
| 22 | User Friendly Synthesis of Vogel's Silyl Sulfinate and its Application in Quantitative GC-MS Analysis. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 1251-1256. | 1.6 | 2 |
| 23 | Synthesis of Novel 2- And 6-Alkyl/Arylthiopurine Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 1236-1241. | 1.6 | 8 |
| 24 | Synthesis and Applications of Azolylpurine and Azolylpurine Nucleoside Derivatives. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3629-3649. | 2.4 | 25 |
| 25 | 2,6-Dichloro-9-(2,3,5-tri-O-acetyl- β -D-ribofuranosyl)-9H-purine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o108-o109. | 0.2 | 1 |
| 26 | Application of 2,6-diazidopurine derivatives in the synthesis of thiopurine nucleosides. <i>Tetrahedron Letters</i> , 2013, 54, 6557-6561. | 1.4 | 22 |
| 27 | 1,2,3-Triazoles as leaving groups in purine chemistry: a three-step synthesis of N6-substituted-2-triazolyl-adenine nucleosides and photophysical properties thereof. <i>Tetrahedron Letters</i> , 2013, 54, 850-853. | 1.4 | 38 |
| 28 | The Synthesis and X-ray Studies of 6-pyrrolidinyl-2-triazolyl Purine Arabinonucleoside. <i>Material Science & Applied Chemistry</i> , 2013, 28, 39. | 0.1 | 2 |
| 29 | The Mukaiyama Reagent: An Efficient Condensation Agent. <i>Synlett</i> , 2012, 24, 135-136. | 1.8 | 9 |
| 30 | Synthesis and Photophysical Properties of Purine-Phenoxazine and Purine-Phenothiazine Conjugates. <i>Key Engineering Materials</i> , 0, 903, 155-161. | 0.4 | 1 |
| 31 | Synthesis of 7-Arylpurines from Substituted Pyrimidines. <i>Synthesis</i> , 0, , . | 2.3 | 2 |