

# Oleg N Burov

## List of Publications by Year in descending order

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840776

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Oxidative alkylamination of azinones as a direct route to aminoazinones: study of some condensed diazinones. <i>Tetrahedron</i> , 2008, 64, 696-707.	1.9	44
2	Competitive Ring Expansion of Azetidines into Pyrrolidines and/or Azepanes. <i>Journal of Organic Chemistry</i> , 2016, 81, 6677-6685.	3.2	32
3	Synthesis and biological properties of nitrobenzoxadiazole derivatives as potential nitrogen(ii) oxide donors: SOX induction, toxicity, genotoxicity, and DNA protective activity in experiments using <i>Escherichia coli</i> -based lux biosensors. <i>Russian Chemical Bulletin</i> , 2015, 64, 1369-1377.	1.5	18
4	Synthesis and antiviral activity of bis-spirocyclic derivatives of rhodanine. <i>Russian Chemical Bulletin</i> , 2014, 63, 1130-1136.	1.5	17
5	4,5-Bis(dimethylamino)quinolines: Proton Sponge versus Azine Behavior. <i>Organic Letters</i> , 2012, 14, 4134-4137.	4.6	15
6	Mechanism of Thiol-Induced Nitrogen(II) Oxide Donation by Furoxans: a Quantum-Chemical Study. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 951-960.	1.2	14
7	Synthesis of (Alkylamino)nitroarenes by Oxidative Alkylamination of Nitroarenes. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 564-574.	2.4	13
8	Regio- and stereoselective synthesis of $\beta$ -hydroxy- $\alpha$ -azido tetrazoles. <i>Organic Chemistry Frontiers</i> , 2015, 2, 492-496.	4.5	13
9	Sequential SNAr and Diels-Alder reactivity of superelectrophilic 10 $\pi$ heteroaromatic substrates. <i>Tetrahedron</i> , 2016, 72, 2254-2264.	1.9	12
10	Synthesis and spectral-luminescence properties of 2-[2-(pyridin-4-yl)vinyl]quinolines. <i>Russian Journal of General Chemistry</i> , 2015, 85, 1074-1077.	0.8	11
11	Synthesis of the first 13-nitroaryl derivatives of 8-acetylberberine. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 772-774.	1.2	11
12	Spectral luminescent properties of 2-(2-hydroxyphenyl)-5-methyl-1,3,4-oxadiazole and its acetyl(benzoyl)oxy derivatives. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1700-1703.	0.8	11
13	Spectral and luminescent properties of 2-(2-hydroxyphenyl)-5-(2,6-difluorophenyl)-1,3,4-oxadiazole and its methoxy and benzyloxy derivatives. <i>Russian Journal of General Chemistry</i> , 2016, 86, 2702-2705.	0.8	10
14	Synthesis and luminescent properties of 2-(2-hydroxyphenyl)-5-(2,6-dichlorophenyl)-1,3,4-oxadiazole and its methoxyl and acetyloxyl derivatives. <i>Russian Journal of General Chemistry</i> , 2016, 86, 406-409.	0.8	10
15	Synthesis and structure of dihydroberberine nitroaryl derivatives – potential ligands for G-quadruplexes. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 335-340.	1.2	10
16	Mechanisms of nitric oxide generation in living systems. <i>Nitric Oxide - Biology and Chemistry</i> , 2022, 118, 1-16.	2.7	10
17	Revisiting the Synthesis of 4,6-Difluorobenzofuroxan: A Study of Its Reactivity and Access to Fluorinated Quinoxaline Oxides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6451-6466.	2.4	9
18	Experimental and quantum-chemical study of nucleophilic substitution mechanism in berberine. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 997-1007.	1.2	9

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19	The first 13-vinyl derivatives of berberine: synthesis and antimicrobial activity. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 1128-1130.	1.2	9
20	Reaction of 2-chloroindole-3-carbaldehyde with epihalogenohydrins. Tandem oxirane-opening–1,3-oxazole-closure process. <i>Tetrahedron</i> , 2011, 67, 8775-8779.	1.9	8
21	Reaction of 1-(oxiran-2-ylmethyl)-1H-indole-3-carboxaldehyde with amines. <i>Mendeleev Communications</i> , 2011, 21, 231-233.	1.6	8
22	[3+2] Cycloaddition Reactions to Indolyl- and Pyrrolyl Derivatives of Dinitrobenzofurazan. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 50, 1731-1740.	1.2	8
23	From 3-Acyl-2-methylindoles to $\hat{I}^3$ -Carbolines: Li-Promoted Cycloaddition Reaction and Its Quantum Chemical Study. <i>Journal of Organic Chemistry</i> , 2019, 84, 13721-13732.	3.2	8
24	Lithium-Promoted Cycloaddition of Indole-2,3-dienolates and Carbon Disulfide as a One-Pot Route to Thiopyrano[4,3- <i>b</i> ]indole-3(5 <i>H</i> )-thiones. <i>Journal of Organic Chemistry</i> , 2021, 86, 11698-11707.	3.2	8
25	Quantum chemical studies of the oxidative alkylamination of diazinones. <i>Russian Chemical Bulletin</i> , 2013, 62, 1156-1163.	1.5	6
26	Quantum-chemical and NMR study of nitrofuoroquinoline cycloaddition. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 845-857.	1.2	6
27	Effect of bulky substituents on the photochromic properties of indoline spiropyran containing an annelated aromatic or heteroaromatic fragment. <i>Doklady Chemistry</i> , 2016, 470, 268-273.	0.9	6
28	Thiol-induced nitric oxide donation mechanisms in substituted dinitrobenzofuroxans. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 62, 44-51.	2.7	6
29	Non-canonical DNA structures: Comparative quantum mechanical study. <i>Biophysical Chemistry</i> , 2018, 235, 19-28.	2.8	6
30	$\hat{I}^3$ -Hydroxy-Tetrazoles as Latent Ethynyl Moieties: A Mechanistic Investigation. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 342-350.	2.4	6
31	Benzoid-quinoid tautomerism of Schiff bases and their structural analogs: LV. Crown-containing N-phenylimines derived from ortho-hydroxycarbaldehydes of the coumarin series. <i>Russian Journal of Organic Chemistry</i> , 2013, 49, 374-378.	0.8	5
32	The mechanisms of nucleophilic substitution in 1-methyl-3,4,5-trinitropyrazole. <i>Computational and Theoretical Chemistry</i> , 2014, 1033, 31-42.	2.5	5
33	Competing mechanisms of Norrish and Norrish-like reactions in a wide range of systems – From carbonyl compounds to nitrogen oxide donors. <i>Computational and Theoretical Chemistry</i> , 2014, 1047, 55-66.	2.5	5
34	Comprehensive study of nitrofuoroquinolines. New perspective donors of NO molecules. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 93, 15-24.	2.7	5
35	Zwitterionic spirocycles based on dinitrobenzofurazan and tropolone heteroanalogs. <i>Russian Journal of Organic Chemistry</i> , 2013, 49, 1373-1378.	0.8	4
36	Synthesis and spectral-luminescent properties of methyl and benzyl ethers of 2-[(E)-2-(pyridin-3-yl)vinyl]quinolin-8-ol. <i>Russian Journal of General Chemistry</i> , 2016, 86, 989-991.	0.8	4

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37	Unexpected pyrylium to pyrylium domino transformation. Synthesis of pyrano[3,4-c]pyran-7-ium cation and its recyclization to 2,7-naphthyridine derivative. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 156-160.	1.2	4
38	Oxidative alkylamination of 2-methyl-3(2H)-cinnolinone: unexpected dealkylation of the entering alkylamino group. <i>Chemistry of Heterocyclic Compounds</i> , 2009, 45, 475-482.	1.2	3
39	Synthesis of Spirocyclic Pyrrolizidineoxyindoles with a Furotropyliidene Fragment by 1,3-Dipolar Cycloaddition. <i>Chemistry of Heterocyclic Compounds</i> , 2014, 50, 26-34.	1.2	3
40	Cycloaddition of [3]dendralene derivatives to dinitrobenzofuroxan and nitrobenzodifuroxan. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 903-912.	1.2	3
41	Synthesis and [3 + 2]-cycloaddition reactions of superelectrophilic (dimethylaminophenyl)benzofulvene derivatives. <i>Russian Journal of Organic Chemistry</i> , 2015, 51, 449-451.	0.8	3
42	Spectral and theoretical study of complexes with metal ions M(II). <i>Russian Journal of General Chemistry</i> , 2015, 85, 1706-1712.	0.8	3
43	Oligonucleotide cross-linking with copper ions. Spectral and quantum chemical study. <i>Russian Journal of General Chemistry</i> , 2016, 86, 2647-2652.	0.8	3
44	Charge Transfer Complexes Formed by Heterocyclic Thioamides and Tetracyanoethylene: Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7000-7008.	2.5	3
45	The Synthesis and Investigation of New Electroneutral Berberine Derivatives. <i>Chemistry of Heterocyclic Compounds</i> , 2022, 58, 45-57.	1.2	3
46	Mechanisms for the formation of five-membered rings in ethene addition reactions with azomethine ylide and allyl anion. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 700-710.	1.2	2
47	Spectral luminescent properties of 2-aryl-5-(2,4,6-trimethylphenyl)-1 <i>H</i> -1,3,4-oxadiazoles. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 808-811.	0.8	2
48	New 13-vinyl derivatives of berberine: synthesis and characterization. <i>Chemistry of Heterocyclic Compounds</i> , 2022, 58, 144-152.	1.2	2
49	Zwitter-ionic structure of diethoxyfurotropylium dimethylbarbiturate. <i>Russian Journal of Organic Chemistry</i> , 2014, 50, 1223-1224.	0.8	1
50	Synthesis, structure, and properties of the product formed in the reaction of ortho-diphenylphosphinobenzaldehyde and N-tosyl-1,2-phenylenediamine. <i>Russian Journal of General Chemistry</i> , 2015, 85, 104-110.	0.8	1
51	Oligonucleotides-transformers for molecular biology and nanoengineering. <i>Gene</i> , 2022, 820, 146277.	2.2	1
52	Theoretical investigation of von Braun and von Braun-like reactions. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26088.	2.0	0
53	A Multifield Study on Dimethyl Acetylenedicarboxylate: A Reagent Able to Build a New Cycle on Diaminoimidazoles. <i>Molecules</i> , 2022, 27, 3326.	3.8	0