

Igor B Kutyashev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of 3-substituted 2-trifluoro(trichloro)methyl-2H-chromenes by reaction of salicylaldehydes with activated trihalomethyl alkenes. <i>Heteroatom Chemistry</i> , 2005, 16, 492-496.	0.7	57
2	Reaction of Polyhaloalkyl-Substituted Chromones, Pyrones, and Furanones with Salicylaldehydes as a Direct Route to Fused 2H-Chromenes. <i>Journal of Organic Chemistry</i> , 2006, 71, 4538-4543.	3.2	40
3	A simple and convenient synthesis of 4-methyl-3-nitro-2-trihalomethyl-2H-chromenes from N-unsubstituted imines of 2-hydroxyacetophenones and trichloro(trifluoro)ethylidene nitromethanes. <i>Tetrahedron</i> , 2008, 64, 5055-5060.	1.9	40
4	Highly regio- and stereoselective 1,3-dipolar cycloaddition of stabilised azomethine ylides to 3,3,3-trihalogeno-1-nitropropenes: synthesis of trihalomethylated spiro[indoline-3,2- ϵ -pyrrolidin]-2-ones and spiro[indoline-3,3- ϵ -pyrrolizin]-2-ones. <i>Tetrahedron</i> , 2016, 72, 6825-6836.	1.9	34
5	A facile route to the pentacyclic lamellarin skeleton via Grob reaction between 3-nitro-2-(trifluoromethyl)-2H-chromenes and 1,3,3-trimethyl-3,4-dihydroisoquinolines. <i>Tetrahedron Letters</i> , 2008, 49, 5376-5379.	1.4	31
6	Recent advances in the chemistry of 3-nitro-2H- and 3-nitro-4H-chromenes. <i>Russian Chemical Reviews</i> , 2019, 88, 27-58.	6.5	30
7	Stability of the Mo ₇₂ Fe ₃₀ polyoxometalate buckyball in solution. <i>Russian Journal of Inorganic Chemistry</i> , 2012, 57, 1210-1213.	1.3	24
8	Regio- and stereoselective 1,3-dipolar cycloaddition of indenoquinoxalinone azomethine ylides to β -nitrostyrenes: synthesis of spiro[indeno[1,2-b]quinoxaline-11,3'-pyrrolizidines] and spiro[indeno[1,2-b]quinoxaline-11,2'-pyrrolidines]. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 451-459.	1.2	24
9	Reactions of 3-nitro-2-trihalomethyl-2H-chromenes with S- and N-nucleophiles. Synthesis and stereochemistry of 2,3,4-trisubstituted chromanes. <i>Russian Chemical Bulletin</i> , 2006, 55, 317-330.	1.5	19
10	A regio- and stereocontrolled approach to the synthesis of 4-CF ₃ -substituted spiro[chromeno[3,4- <i>c</i>]pyrrolidine-oxindoles] via reversible [3+2] cycloaddition of azomethine ylides generated from isatins and sarcosine to 3-nitro-2-(trifluoromethyl)-2H-chromenes. <i>New Journal of Chemistry</i> , 2019, 43, 18495-18504.	2.8	19
11	Synthesis of 2,3,4-Trisubstituted Chromans Via Nucleophilic Addition of N-, C-, and S-Nucleophiles to 3-Nitro-2-Trihalomethyl-2H-Chromenes. Stereochemical and Conformational Preferences. <i>Letters in Organic Chemistry</i> , 2005, 2, 616-620.	0.5	19
12	Reactions of 3-nitro-2-trihalomethyl-2H-chromenes with C-nucleophiles. Synthesis of 3-nitro-4-(pyrazol-4-yl)-2-trihalomethylchromanes. <i>Russian Chemical Bulletin</i> , 2006, 55, 2020-2031.	1.5	18
13	Study of the stability of solid polyoxometalate Mo ₇₂ Fe ₃₀ with a buckyball structure. <i>Russian Journal of Inorganic Chemistry</i> , 2012, 57, 858-863.	1.3	17
14	Electrotransport, sorption, and photochemical properties of nanocluster polyoxomolybdates with a toroidal structure. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 1268-1273.	0.6	17
15	2-Substituted 3-nitro-2H-chromenes in reaction with azomethine ylide derived from ninhydrin and proline: regio- and stereoselective synthesis of spiro[chromeno[3,4- <i>a</i>]pyrrolizidine-11,2'-indene]-1',3'-diones. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 1192-1198.	1.2	17
16	Stereoselective synthesis of N-unsubstituted pyrazolidines from 3-nitro-2-trichloromethyl-2H-chromenes and hydrazine hydrate. <i>Mendeleev Communications</i> , 2007, 17, 52-53.	1.6	16
17	Regio- and stereoselective 1,3-dipolar cycloaddition reactions between arylideneacetones and stabilized azomethine ylides obtained from ninhydrin and indenoquinoxalinones. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 1315-1323.	1.2	14
18	3-Nitro-2-(trihalomethyl)-2H-chromenes in reactions with sodium azide: synthesis of 4-(trihalomethyl)-2,4-dihydrochromeno[3,4- <i>d</i>][1,2,3]triazoles. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 597-603.	1.2	13

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19	3-Nitro-2-phenyl-2-(trifluoromethyl)-2H-chromenes: synthesis and reactions with nucleophiles. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 814-822.	1.2	12
20	An expedient synthesis of novel spiro[indenoquinoxaline-pyrrolizidine]-pyrazole conjugates with anticancer activity from 1,5-diarylpent-4-ene-1,3-diones through the 1,3-dipolar cycloaddition/cyclocondensation sequence. <i>New Journal of Chemistry</i> , 2020, 44, 16185-16199.	2.8	12
21	Reactions of 3-nitro-2-trihalomethyl-2H-chromenes with indole, N-methylindole, and N-methylpyrrole. Stereoselective synthesis of 4-azolyl-3-nitro-2-trihalomethylchromanes. <i>Russian Chemical Bulletin</i> , 2007, 56, 2054-2059.	1.5	11
22	Highly regio- and stereoselective addition of aminoenones to 2-substituted 3-nitro-2H-chromenes. Unexpected synthesis of 5-(trifluoromethyl)-5H-chromeno[3,4-b]pyridines. <i>Tetrahedron</i> , 2015, 71, 2658-2669.	1.9	11
23	Unexpected regiochemistry in [3+2] cycloaddition reaction of azomethine ylides of indenoquinoxalinone series to arylidene malononitriles. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 43-50.	1.2	11
24	3-Nitro-2H-chromenes in [3+2] cycloaddition reaction with azomethine ylides derived from N-unsubstituted α -amino acids and isatins: regio- and stereoselective synthesis of spirochromeno[3,4-c]pyrrolidines. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 529-540.	1.2	11
25	One-Pot Domino Synthesis of Polyfunctionalized Benzophenones, Dihydroxanones, and α -terphenyls from 2-(Polyfluoroalkyl)chromones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1932-1944.	2.4	10
26	Different behavior of azomethine ylides derived from 11H-indeno[1,2-b]quinoxalin-11-one and proline/sarcosine in reactions with 3-nitro-2H-chromenes. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 861-874.	1.2	10
27	3-Nitro-2-phenyl-2-trifluoromethyl-2H-chromenes in reactions with azomethine ylides from isatins and (thia)proline: synthesis of spiro[chromeno(thia)pyrrolizidine-11,3'-oxindoles]. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 1302-1313.	1.2	10
28	Two approaches toward the regio- and stereoselective synthesis of N-unsubstituted 3-aryl-4-(trifluoromethyl)-4H-spiro-[chromeno[3,4-c]pyrrolidine-1,3'-oxindoles]. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 679.	1.2	10
29	Synthesis of polyfunctionalized benzophenones via the reaction of 3-formylchromones with tertiary push-pull enamines. <i>Tetrahedron</i> , 2016, 72, 2026-2033.	1.9	9
30	Highly regio- and stereoselective 1,3-dipolar cycloaddition of stabilised azomethine ylides to 3,3,3-trihalogeno-1-nitropropenes: Synthesis of trihalomethylated spiroindene-pyrroli(z)idines. <i>Journal of Fluorine Chemistry</i> , 2017, 204, 37-44.	1.7	9
31	Highly stereoselective [3+2]-cycloaddition reaction of stabilised N, N-dicyclic azomethine imines with 3-nitro-2-phenyl-2H-chromenes: Synthesis of tetrahydrochromeno[4,3-c]pyrazolo[1,2-a]pyrazol-11-ones. <i>Tetrahedron Letters</i> , 2017, 58, 3989-3992.	1.4	9
32	Stabilized azomethine ylides derived from indeno[1,2-b]quinoxalinones in [3+2] cycloaddition reactions with electrophilic alkenes. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 905-922.	1.2	9
33	Synthesis of ferrocene annulated trifluoromethylated heterocycles with crispine and lamellarin skeletons. <i>Tetrahedron Letters</i> , 2019, 60, 150916.	1.4	9
34	Catalyst-free Tandem 1,3-Dipolar Cycloaddition/Aldol Condensation: Diastereoselective Construction of the Azatetraquinane Skeleton. <i>Journal of Organic Chemistry</i> , 2020, 85, 8683-8694.	3.2	9
35	Regio- and Stereoselective 1,3-dipolar Cycloaddition of Azomethine Ylides Based on Isatins and (thia)proline to 3-nitro-2-(trifluoro(trichloro)methyl)-2H-chromenes: Synthesis and Cytotoxic Activity of 6-(trihalomethyl)-spiro[chromeno(thia)pyrrolizidine-11,3'-indolin]-2'-ones. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 751-763.	1.2	9
36	N-Substituted α -trifluoromethyl β -nitro amines in the synthesis of fluorine-containing 1,2-diamines, amino alcohols, and β -amino acids. <i>Russian Chemical Bulletin</i> , 2009, 58, 1886-1898.	1.5	8

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37	Spectroscopic studies of molybdenum polyoxometallates with the buckyball structure and polymer-containing compositions based thereon. <i>Russian Journal of Inorganic Chemistry</i> , 2011, 56, 276-281.	1.3	8
38	Uncatalyzed, highly stereoselective addition of $\hat{1}\pm$ -morpholinostyrene to 3-nitro-2-(trihalomethyl)-2H-chromenes. Synthesis of trans $\hat{1}$ -cis- and trans $\hat{1}$ -trans-3-nitro-4-phenacyl-(2-trihalomethyl)chromanes. <i>Tetrahedron</i> , 2016, 72, 216-226.	1.9	8
39	Synthesis of electron-deficient dienes bearing a chromonyl moiety via the reaction of 3-formylchromones with ylidemalononitriles and ethyl $\hat{1}\pm$ -cyano- $\hat{1}^2$ -methylcinnamate. <i>Tetrahedron</i> , 2014, 70, 3584-3589.	1.9	6
40	One-pot synthesis of functionalized benzo[c]coumarins and their precursors via the reaction of 2-(polyfluoroalkyl)chromones with 4-alkyl-3-cyanocoumarins. <i>RSC Advances</i> , 2016, 6, 58188-58202.	3.6	6
41	Highly diastereoselective synthesis of novel 2,3,4-trisubstituted chromanes via the reaction of 3-nitro-2-(trihalomethyl)- and 3-nitro-2-phenyl-2 H -chromenes with 1-morpholinocyclopentene. <i>Tetrahedron</i> , 2017, 73, 5122-5137.	1.9	6
42	Products from the addition of acetoacetic ester or acetylacetone to 3-nitro-2H-chromenes $\hat{1}$ axially chiral trans,trans-2,3,4-trisubstituted chromans and related pyrazoles. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 704-708.	1.2	5
43	Stereoselective addition of ethyl 3-morpholino(piperidino)-crotonates to 2-trihalomethyl-3-nitro-2H-chromenes. Synthesis of 4-acetyl-3-nitrochromans. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 440-446.	1.2	5
44	1,5-Diarylpent-4-ene-1,3-diones in the synthesis of spiro[(thia)pyrrolizidine-3,3'-oxindoles] and 1,3-diaryl-5-spiro[oxindole-3,3'-pyrrolizidin-2'-yl]-1H-pyrazoles. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 81-91.	1.2	3
45	Acenaphthenequinone-Based Stabilized Azomethine Ylides in (3+2) Cycloaddition Reactions with 1,5-diarylpent-4-ene-1,3-diones. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 743-750.	1.2	3
46	Diversity-Oriented Synthesis of Novel Trihalomethyl-Containing Spirochromeno[3,4-a](thia)pyrrolizidines and Spirochromeno-[3,4-a]indolizidines by One-Pot, Three-Component [3+2]-CycloAddition Reaction. <i>SynOpen</i> , 2021, 05, 1-16.	1.7	3
47	[3+2] Annulation of 2-substituted 3-nitro-2H-chromenes with mercaptoacetaldehyde: stereoselective synthesis of tetrahydro-4H-thieno[3,2-c]chromen-3-ols. <i>Chemistry of Heterocyclic Compounds</i> , 2021, 57, 1204-1211.	1.2	3
48	3-Nitro-2-phenyl-2-(trifluoromethyl)-2H-chromenes in reaction with N-methylazomethine ylide: stereoselective synthesis of 3a,4,4-trisubstituted chromeno[3,4-c]pyrrolidines. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 852-858.	1.2	1