

# Vladislav Y Korotaev

## List of Publications by Year in descending order

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80  
papers

1,140  
citations

393982

19  
h-index

525886

27  
g-index

108  
all docs

108  
docs citations

108  
times ranked

626  
citing authors

#	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.	0.4	57
2	Synthesis and properties of 3-nitro-2H-chromenes. <i>Russian Chemical Reviews</i> , 2013, 82, 1081-1116.	2.5	47
3	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.	1.7	40
4	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.	1.0	40
5	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'-pyrrolidin]-2-ones and spiro[indoline-3,3'-pyrrolizin]-2-ones. <i>Tetrahedron</i> , 2016, 72, 6825-6836.	1.0	34
6	A simple synthesis of the pentacyclic lamellarin skeleton from 3-nitro-2-(trifluoromethyl)-2H-chromenes and 1-methyl(benzyl)-3,4-dihydroisoquinolines. <i>Tetrahedron</i> , 2011, 67, 8685-8698.	1.0	32
7	Diastereoselective reactions of 1,1,1-trichloro(trifluoro)-3-nitrobut-2-enes with 2-morpholinoalk-1-enes. <i>Mendeleev Communications</i> , 2011, 21, 112-114.	0.6	32
8	Highly diastereoselective 1,3-dipolar cycloaddition of nonstabilized azomethine ylides to 3-nitro-2-trihalomethyl-2H-chromenes: synthesis of 1-benzopyrano[3,4-c]pyrrolidines. <i>Tetrahedron</i> , 2013, 69, 8602-8608.	1.0	32
9	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.	0.7	31
10	Recent advances in the chemistry of 3-nitro-2H- and 3-nitro-4H-chromenes. <i>Russian Chemical Reviews</i> , 2019, 88, 27-58.	2.5	30
11	Stereoselective hetero-Diels-Alder reaction of 3-nitro-2-trihalomethyl-2H-chromenes with 2,3-dihydrofuran and ethyl vinyl ether under solvent-free conditions. <i>Tetrahedron</i> , 2010, 66, 1404-1409.	1.0	27
12	Uncatalyzed reactions of $\beta$ -(trihaloethylidene)nitroalkanes with push-pull enamines: a new type of ring-ring tautomerism in cyclobutane derivatives and the dramatic effect of the trihalomethyl group on the reaction pathway. <i>Tetrahedron Letters</i> , 2011, 52, 5764-5768.	0.7	27
13	Stability of the Mo <sub>72</sub> Fe <sub>30</sub> polyoxometalate buckyball in solution. <i>Russian Journal of Inorganic Chemistry</i> , 2012, 57, 1210-1213.	0.3	24
14	Regio- and stereoselective 1,3-dipolar cycloaddition of indenoquinoxalinone azomethine ylides to $\beta$ -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.	0.6	24
15	Thermal behavior of polyoxometalate Mo <sub>132</sub> . <i>Russian Journal of Inorganic Chemistry</i> , 2009, 54, 172-179.	0.3	20
16	Stereoselective tandem [4 + 2]/[3 + 2] cycloaddition reactions of 3,3,3-trichloro(trifluoro)-1-nitropropenes and 2,3-dihydrofuran. <i>Mendeleev Communications</i> , 2010, 20, 17-19.	0.6	20
17	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.	0.4	19
18	Three-component synthesis of substituted $\beta$ -(trifluoromethyl)pyrroles via Grob cyclization of 1,1,1-trifluoro-3-nitrobut-2-ene with 1,3-dicarbonylic compounds and ammonia or primary amines. <i>Journal of Fluorine Chemistry</i> , 2012, 138, 42-47.	0.9	19

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19	A regio- and stereocontrolled approach to the synthesis of 4-CF <sub>3</sub> -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.	1.4	19
20	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.	0.2	19
21	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.	0.4	18
22	Study of the stability of solid polyoxometalate Mo <sub>72</sub> Fe <sub>30</sub> with a buckyball structure. <i>Russian Journal of Inorganic Chemistry</i> , 2012, 57, 858-863.	0.3	17
23	Electrotransport, sorption, and photochemical properties of nanocluster polyoxomolybdates with a toroidal structure. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 1268-1273.	0.1	17
24	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.	0.6	17
25	Stereoselective synthesis of N-unsubstituted pyrazolidines from 3-nitro-2-trichloromethyl-2H-chromenes and hydrazine hydrate. <i>Mendeleev Communications</i> , 2007, 17, 52-53.	0.6	16
26	Domino reaction of 3-nitro-2-(trifluoromethyl)-2H-chromenes with 2-(1-phenylalkylidene)malononitriles: synthesis of functionalized 6-(trifluoromethyl)-6H-dibenzo[ <i>b,d</i> ]pyrans and a rare case of [1,5] sigmatropic shift of the nitro group. <i>Tetrahedron</i> , 2013, 69, 9642-9647.	1.0	16
27	Unusual ring-chain tautomerism in bicyclo[4.2.0]octane derivatives. <i>Tetrahedron Letters</i> , 2011, 52, 3029-3032.	0.7	15
28	Regio- and stereoselective 1,3-dipolar cycloaddition reactions between arylideneacetones and stabilized azomethine ylides obtained from ninhydrin and indenoquinolines. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 1315-1323.	0.6	14
29	A simple synthesis of the lamellarin analogues from 3-nitro-2-trifluoromethyl-2H-chromenes and 1-benzyl-3,4-dihydroisoquinolines. <i>Mendeleev Communications</i> , 2010, 20, 321-322.	0.6	13
30	Synthesis of $\hat{\imath}^2$ -(trifluoromethyl)furans and spiro-gem-dichlorocyclopropanes from cyclic 1,3-dicarbonyl compounds and $\hat{\imath}^{\pm}$ -(trihaloethylidene)nitroethanes. <i>Tetrahedron Letters</i> , 2013, 54, 4181-4184.	0.7	13
31	A DFT computational study on the molecular mechanism of the nitro group migration in the product derived from 3-nitro-2-(trifluoromethyl)-2H-chromene and 2-(1-phenylpropylidene)malononitrile. <i>Journal of Fluorine Chemistry</i> , 2014, 168, 236-239.	0.9	13
32	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.	0.6	13
33	Synthesis of chromeno[3,4- <i>c</i> ][1,2]oxazine-N-oxides via formal [4+2] cycloaddition of 3-nitro-2-trihalomethyl-2H-chromenes with cyclohexanone and pinacolone enamines. <i>Tetrahedron</i> , 2014, 70, 5161-5167.	1.0	12
34	3-Nitro-2-phenyl-2-(trifluoromethyl)-2H-chromenes: synthesis and reactions with nucleophiles. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 814-822.	0.6	12
35	An expedient synthesis of novel spiro[indenoquinoline-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.	1.4	12
36	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.	0.4	11

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37	Synthesis of Novel 5,6-Dihydropyrrolo[2,1-a]isoquinolines via Grob Reaction between 1,1,1-Trifluoro-2-nitrobutene and 3,4-Dihydroisoquinolines. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 856-860.		11
38	A novel synthesis of $\beta$ -nitro ketones via detrifluoroacetylative Michael addition of 1-trifluoromethyl-1,3-diketones to conjugated nitroalkenes. <i>Tetrahedron Letters</i> , 2013, 54, 6819-6821.	0.7	11
39	Synthesis of 5-(trifluoromethyl)-5H-chromeno[3,4-b]pyridines from 3-nitro-2-(trifluoromethyl)-2H-chromenes and aminoenones derived from acetylacetone and cyclic amines. <i>Tetrahedron Letters</i> , 2013, 54, 3091-3093.	0.7	11
40	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.	1.0	11
41	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.	0.6	11
42	3-Nitro-2H-chromenes in [3+2] cycloaddition reaction with azomethine ylides derived from N-unsubstituted $\alpha$ -amino acids and isatins: regio- and stereoselective synthesis of spirochromeno[3,4-c]pyrrolidines. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 529-540.	0.6	11
43	Unexpected spontaneous ring-contraction rearrangement of trifluoromethylated 1,2-oxazine N-oxides to 1-pyrroline N-oxides. <i>Mendeleev Communications</i> , 2011, 21, 277-279.	0.6	10
44	Highly Regio- and Stereoselective Addition of Ethyl 3-Aminobut-2-enoates to 2-substituted 3-nitro-2H-chromenes. <i>Mendeleev Communications</i> , 2013, 23, 150-152.	0.6	10
45	Interaction between Mo <sub>132</sub> nanocluster polyoxometalate and solvents. <i>Russian Journal of Physical Chemistry A</i> , 2014, 88, 2179-2182.	0.1	10
46	One-Pot Domino Synthesis of Polyfunctionalized Benzophenones, Dihydroxanthones, and <i>m</i> -Terphenyls from 2-(Polyfluoroalkyl)chromones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1932-1944.	1.2	10
47	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.	0.6	10
48	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.	0.6	10
49	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.	0.6	10
50	Reaction of 2-(trifluoromethyl)chromones with pyridoxal: Formation of 1-benzopyranooxepino- and 1-benzopyranopyranopyridines. <i>Journal of Fluorine Chemistry</i> , 2012, 141, 58-63.	0.9	9
51	Synthesis of polyfunctionalized benzophenones via the reaction of 3-formylchromones with tertiary push-pull enamines. <i>Tetrahedron</i> , 2016, 72, 2026-2033.	1.0	9
52	Highly regio- and stereoselective 1,3-dipolar cycloaddition of stabilised azomethine ylides to 3,3,3-trihalogeno-1-nitropropenes: Synthesis of trihalomethylated spiroindenopyrroli(zine)s. <i>Journal of Fluorine Chemistry</i> , 2017, 204, 37-44.	0.9	9
53	Highly stereoselective [3+2]-cycloaddition reaction of stabilised N,N-cyclic 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.	0.7	9
54	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.	0.6	9

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55	Synthesis of ferrocene annulated trifluoromethylated heterocycles with crispine and lamellarin skeletons. <i>Tetrahedron Letters</i> , 2019, 60, 150916.	0.7	9
56	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.	1.7	9
57	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.	0.6	9
58	Novel 1-Trifluoromethyl Substituted 1,2-Ethylenediamines and Their use for the Synthesis of Fluoroquinolones. <i>Tetrahedron</i> , 2000, 56, 1923-1927.	1.0	8
59	N-Substituted $\hat{1}\pm$ -trifluoromethyl $\hat{1}^2$ -nitro amines in the synthesis of fluorine-containing 1,2-diamines, amino alcohols, and $\hat{1}^2$ -amino acids. <i>Russian Chemical Bulletin</i> , 2009, 58, 1886-1898.	0.4	8
60	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.	0.3	8
61	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.	1.0	8
62	Reactions of 3-amino-1-phenyl- and 3-amino-1-(thien-2-yl)-4,4,4-trifluorobut-2-en-1-ones with 1,2-diaminopropane and 1,2-diamino-3,3,3-trifluoropropane. <i>Russian Chemical Bulletin</i> , 1999, 48, 2112-2116.	0.4	7
63	Reactions of 1,1,1-trihalo-3-nitrobut-2-enes with enamines derived from cycloalkanones. Rearrangement of trifluoromethylated 1,2-oxazine N-oxide into 1-pyrroline N-oxides and stereochemistry of the products. <i>Russian Chemical Bulletin</i> , 2012, 61, 1750-1760.	0.4	7
64	Synthesis of trans,trans-2,3,4-trisubstituted chromans from 3-nitro-2H-chromenes and enamines of acetoacetic ester and acetylacetone. A new type of configurationally stable atropisomers. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 531-540.	0.6	7
65	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.	1.0	6
66	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.	1.7	6
67	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.	1.0	6
68	Reactions of 3,3,3-trichloro(trifluoro)-1-nitropropenes with 2-morpholinoalk-1-enes. <i>Russian Chemical Bulletin</i> , 2011, 60, 143-147.	0.4	5
69	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.	0.6	5
70	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.	0.6	5
71	Reactions of (E)-3,3,3-trichloro(trifluoro)-1-nitropropenes with enamines derived from cycloalkanones. A new type of ring-chain tautomerism in a series of cyclobutane derivatives and stereochemistry of the products. <i>Russian Chemical Bulletin</i> , 2012, 61, 1736-1749.	0.4	4
72	Simple synthesis of functionalized 7-aza-2H-chromenes from pyridoxal and nitroalkenes in aqueous medium. <i>Russian Chemical Bulletin</i> , 2012, 61, 674-677.	0.4	3

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73	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.	0.6	3
74	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.	0.6	3
75	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.	0.8	3
76	[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.	0.6	3
77	Reaction of (E)-1,1,1-trichloro-3-nitrobut-2-ene with amines: diastereoselective synthesis of N-substituted 1±-trichloromethyl-1²-nitroamines. <i>Russian Chemical Bulletin</i> , 2012, 61, 1564-1569.	0.4	2
78	3,3,3-Trifluoro-N-²-(3-trifluoromethylphenyl)-1,2-propanediamine and its N-mono- and N,N-dicarboxyethyl derivatives: synthesis, protolytic and complexation properties. <i>Russian Chemical Bulletin</i> , 2005, 54, 2545-2549.	0.4	1
79	Synthesis of 1-hetaryl-5,6-dihydropyrrolo[2,1-a]isoquinolines from 1-hetarylmethyl-3,4-dihydroisoquinolines and 1,1,1-trifluoro-3-nitrobut-2-ene. <i>Russian Chemical Bulletin</i> , 2015, 64, 891-896.	0.4	1
80	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.	0.6	1