

Yury V Tomilov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93 papers	1,383 citations	20 h-index	33 g-index
107 ext. papers	1,600 ext. citations	3.5 avg, IF	5 L-index

#	Paper	IF	Citations
93	Superphotoacidic properties and pH-switched Stokes shifts in electron-deficient 5-hydroxyisoquinolone derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 427, 113808	4.7	1
92	Gallium(iii)-mediated dimerization routes for (5-phenyl-2-thienyl)cyclopropane-1,1-dicarboxylate. <i>Mendeleev Communications</i> , 2022 , 32, 170-172	1.9	0
91	Generation and cascade reactions of N-[1,2-bis(methoxycarbonyl)vinyl]pyridinium species. <i>Mendeleev Communications</i> , 2022 , 32, 262-264	1.9	0
90	A unique small molecule class of fluorophores with large Stokes shift based on the electron deficient 9-methoxypyrrroloisoquinolinetriene core. <i>Dyes and Pigments</i> , 2022 , 203, 110344	4.6	0
89	Advanced energetic materials: novel strategies and versatile applications. <i>Mendeleev Communications</i> , 2021 , 31, 731-749	1.9	14
88	Electron deficient 5-hydroxy-1,2-dihydroisoquinolin-1-ones [A new class of fluorescent dyes with large Stokes shifts. <i>Dyes and Pigments</i> , 2021 , 187, 109107	4.6	3
87	Electron deficient cyclopentadienolate in the synthesis of chromophores with mono- and poly-cyclic hydrazonocyclopentadiene acceptor moieties. <i>Dyes and Pigments</i> , 2021 , 187, 109132	4.6	3
86	Reactions of Styrylmalonates with Aromatic Aldehydes: Detailed Synthetic and Mechanistic Studies. <i>Journal of Organic Chemistry</i> , 2021 , 86, 4457-4471	4.2	1
85	Coupling of Styrylmalonates with Furan and Benzofuran Carbaldehydes: Synthesis and Chemistry of Substituted (4-Oxocyclopent-2-enyl)malonates. <i>Journal of Organic Chemistry</i> , 2021 , 86, 8489-8499	4.2	2
84	GaCl-Mediated Cascade [2 + 4]-Cycloaddition/[4 + 2]-Annulation of Donor-Acceptor Cyclopropanes with Conjugated Dienes: Strategy for the Construction of Benzobicyclo[3.3.1]nonane Skeleton. <i>Journal of Organic Chemistry</i> , 2021 , 86, 8089-8100	4.2	7
83	"Cyclopropanation of Cyclopropanes": GaCl-Mediated Ionic Cyclopropanation of Donor-Acceptor Cyclopropanes with Diazo Esters as a Route to Tetrasubstituted Activated Cyclopropanes. <i>Journal of Organic Chemistry</i> , 2021 , 86, 4567-4579	4.2	3
82	Recent advances in the catalytic cyclopropanation of unsaturated compounds with diazomethane. <i>Russian Chemical Reviews</i> , 2021 , 90, 199-230	6.8	5
81	Lewis acid mediated Michael addition of non-aromatic multiple C C bonds to α,β -unsaturated dicarbonyl compounds. <i>Tetrahedron Letters</i> , 2021 , 80, 153272	2	2
80	(2-Fluoroallyl)pyridinium tetrafluoroborates: novel fluorinated electrophiles for Pd-catalyzed allylic substitution. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 4678-4684	3.9	0
79	Synthesis of Substituted β -Styrylmalonates by Sequential Isomerization of 2-Arylcyclopropane-1,1-dicarboxylates and (2-Arylethylidene)malonates. <i>Synthesis</i> , 2021 , 53, 2253-2259	2.9	3
78	Carbenes, related intermediates, and small-sized cycles: contribution from Professor Nefedov's laboratory. <i>Mendeleev Communications</i> , 2021 , 31, 750-768	1.9	0
77	Diels-Alder reaction [In the ionic version: GaCl ₃ -promoted formation of substituted cyclohexenes from donor-acceptor cyclopropanes and dienes. <i>Tetrahedron Letters</i> , 2020 , 61, 151990	2	11

76	Unusual Side Transformation of Spiro[2,4]hepta-4,6-dienes into Fulvene Derivatives During Pd-Catalyzed Cyclopropanation with Diazomethane. <i>ChemistrySelect</i> , 2020 , 5, 4046-4049	1.8	4
75	Pathways of Pd-catalyzed cyclopropanation of tetrahydroindene with diazomethane. <i>Mendeleev Communications</i> , 2020 , 30, 612-614	1.9	1
74	Indacenodithienothiophene based chromophore with cyclopentadienylidenehydrazine acceptor moieties. <i>Mendeleev Communications</i> , 2020 , 30, 647-649	1.9	4
73	Synthesis of the Cationic Gallium Phthalocyanines and Their Catalytic Application in Gallium(III)-Activated Processes for Donor-Acceptor Substrates. <i>Organometallics</i> , 2020 , 39, 2580-2593	3.8	7
72	Donor-Acceptor Bicyclopropyls as 1,6-Zwitterionic Intermediates: Synthesis and Reactions with 4-Phenyl-1,2,4-triazoline-3,5-dione and Terminal Acetylenes. <i>Journal of Organic Chemistry</i> , 2020 , 85, 15562-15576	4.2	6
71	(2-Fluoroallyl)boration of Ketones with (2-Fluoroallyl)boronates. <i>Journal of Organic Chemistry</i> , 2020 , 85, 6295-6308	4.2	1
70	4-Phenylspiro[2.2]pentane-1,1-dicarboxylate: synthesis and reactions with EtAlCl ₂ and 4,5-diazaspiro[2.4]hept-4-ene derivative. <i>Mendeleev Communications</i> , 2019 , 29, 417-418	1.9	2
69	Synthesis of Diazanorcaradienes and 1,2-Diazepines via the Tandem [4+2]-Cycloaddition/Retro-[4+2]-Cycloaddition Reaction between Methoxycarbonylcyclopropenes and Dimethoxycarbonyltetrazine. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 4133-4138	3.2	5
68	Catalytic cyclopropanation of spiro[2.4]hepta-4,6-diene with diazomethane. <i>Tetrahedron Letters</i> , 2019 , 60, 2043-2045	2	6
67	Synthesis of chromophores based on the hydrazinylidene cyclic acceptor moieties via the reaction of organolithium reagents with diazo compounds. <i>Dyes and Pigments</i> , 2019 , 170, 107589	4.6	4
66	Three-Component GaHal-Promoted Reactions of Substituted Methylidenemalonates and Donor-Acceptor Cyclopropanes with Propargyl Halides: Cascade Diastereoselective Construction of Five-Membered Lactones. <i>Journal of Organic Chemistry</i> , 2019 , 84, 6174-6182	4.2	12
65	Four-Membered Cycle Formation Challenge: GaCl ₃ -Promoted Formal [2+2]-Cycloaddition of Donor-Acceptor Cyclopropanes to Bicyclobutylidene. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 4207-4214	3.2	10
64	Four-component assembly of polyaromatic 4H-cyclopenta[b]thiophene structures based on GaCl ₃ -promoted reaction of styrylmalonates with 5-phenylthiophene-2-carbaldehyde. <i>Tetrahedron Letters</i> , 2019 , 60, 746-750	2	6
63	Push-pull molecules bearing a hydrazonocyclopentadiene acceptor moiety: from the synthesis to organic photovoltaic applications. <i>Mendeleev Communications</i> , 2019 , 29, 304-306	1.9	7
62	Application of Complexes of Group 13 Elements in Synthetic Organic Chemistry for Activation of Carbonyl Compounds. <i>Vestnik RFFI</i> , 2019 , 113-140	0.1	
61	Synthesis and TD-DFT investigation of arylhydrazonocyclopentadiene dyes. <i>Dyes and Pigments</i> , 2019 , 161, 500-509	4.6	9
60	A New Simple Procedure for the Synthesis of Heptamethyl Cyclohepta-1,3,5-triene-1,2,3,4,5,6,7-heptacarboxylate. <i>Synlett</i> , 2018 , 29, 1157-1160	2.2	6
59	GaCl-Mediated "Inverted" Formal [3 + 2]-Cycloaddition of Donor-Acceptor Cyclopropanes to Allylic Systems. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8193-8207	4.2	24

58	Synthesis of 1,2,3,4,5-Penta(methoxycarbonyl)cyclopentadienides through Electrocyclic Ring Closure and Ring Contraction Reactions. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 5065-5068	3.2	5
57	Cascade Cleavage of Three-Membered Rings in the Reaction of D-A Cyclopropanes with 4,5-Diazaspiro[2.4]hept-4-enes: A Route to Highly Functionalized Pyrazolines. <i>Journal of Organic Chemistry</i> , 2018 , 83, 7836-7851	4.2	15
56	Three-Component Gallium(III)-Promoted Addition of Halide Anions and Acetylenes to Donor-Acceptor Cyclopropanes. <i>Angewandte Chemie</i> , 2018 , 130, 10450-10455	3.6	6
55	Three-Component Gallium(III)-Promoted Addition of Halide Anions and Acetylenes to Donor-Acceptor Cyclopropanes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10293-10298	16.4	30
54	Branching tryptamines as a tool to tune their antiproliferative activity. <i>European Journal of Medicinal Chemistry</i> , 2018 , 144, 211-217	6.8	2
53	Ionic Ga-Complexes of Alkylidene- and Arylmethylidenemalonates and Their Reactions with Acetylenes: An In-Depth Look into the Mechanism of the Occurring Gallium Chemistry. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14381-14390	16.4	34
52	[4 + 2] Annulation of Donor-Acceptor Cyclopropanes with Acetylenes Using 1,2-Zwitterionic Reactivity. <i>Journal of Organic Chemistry</i> , 2017 , 82, 2724-2738	4.2	47
51	Synthesis of Branched Tryptamines via the Domino Cloke-Stevens/Grandberg Rearrangement. <i>Journal of Organic Chemistry</i> , 2017 , 82, 790-795	4.2	6
50	Organic and hybrid systems: from science to practice. <i>Mendeleev Communications</i> , 2017 , 27, 425-438	1.9	79
49	The effect of ligands on the change of diastereoselectivity dimerization of 2-(naphthyl-1)cyclopropanedicarboxylate in the presence of GaCl ₃ . <i>Arkivoc</i> , 2017 , 2016, 362-375	0.9	2
48	Highly diastereoselective formation of 3,7-dioxabicyclo[3.3.0]octan-2-ones in reaction of 2-arylcyclopropanedicarboxylates with aromatic aldehydes using 1,2-zwitterionic reactivity type. <i>Tetrahedron Letters</i> , 2017 , 58, 3712-3716	2	10
47	Styrylmalonates as an Alternative to Donor-Acceptor Cyclopropanes in the Reactions with Aldehydes: A Route to 5,6-Dihydropyran-2-ones. <i>Organic Letters</i> , 2017 , 19, 3731-3734	6.2	23
46	GaCl ₃ -Mediated Reactions of Donor-Acceptor Cyclopropanes with Aromatic Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12233-7	16.4	58
45	Synthesis and UV-Vis spectra of a new type of dye via a decarboxylative azo coupling reaction. <i>Tetrahedron Letters</i> , 2016 , 57, 4311-4313	2	5
44	Synthesis of 1,2,3,4,5,6,7-Heptasubstituted Cycloheptatrienes through Cycloaddition Reactions of Substituted Cyclopentadienones. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 4105-4110	3.2	2
43	1,1-Bicyclopentyl-2,2-dicarboxylate and Cyclopentylmethylidenemalonate as Homovinyls and Vinyls of Donor-Acceptor Cyclopropanes. <i>ChemistrySelect</i> , 2016 , 1, 6374-6381	1.8	13
42	GaCl ₃ -Mediated Isomerization of Donor-Acceptor Cyclopropanes into (2-Arylalkylidene)malonates. <i>Synlett</i> , 2016 , 27, 1367-1370	2.2	11
41	GaCl ₃ -Mediated Reactions of Donor-Acceptor Cyclopropanes with Aromatic Aldehydes. <i>Angewandte Chemie</i> , 2016 , 128, 12421-12425	3.6	21

40	Donor-Acceptor Cyclopropanes as 1,2-Dipoles in GaCl ₃ -Mediated [4 + 2]-Annulation with Alkenes: Easy Access to the Tetralin Skeleton. <i>Journal of Organic Chemistry</i> , 2015 , 80, 8225-35	4.2	55
39	Synthesis and cytotoxic properties of tryptamine derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 3597-600	2.9	10
38	GaCl ₃ -mediated acyclic dimerization of donor-acceptor cyclopropanes using 1,2-dipole reactivity. <i>Mendeleev Communications</i> , 2015 , 25, 341-343	1.9	15
37	Synthesis and Structures of Cyclopropanedicarboxylate Gallium Complexes. <i>Organometallics</i> , 2015 , 34, 4238-4250	3.8	16
36	Formal [3+3]-cycloaddition of 3-methyl-5,6-dihydro-4H-1,2-oxazine-N-oxides with cyclopropane dicarboxylates under hyperbaric conditions. <i>Tetrahedron Letters</i> , 2015 , 56, 2102-2105	2	29
35	Lewis acid-catalyzed reactions of N-allylanilines with diazo compounds involving aza-Claisen rearrangement. <i>Mendeleev Communications</i> , 2015 , 25, 438-439	1.9	1
34	Reactions of poly(methoxycarbonyl)-substituted cycloheptatrien-1-yl- and (N-mesyaminoethenyl)cyclopentadienyl anions with some aromatic cations. <i>Tetrahedron</i> , 2015 , 71, 1403-1408	2.4	6
33	Dimerization of donor-acceptor cyclopropanes. <i>Mendeleev Communications</i> , 2015 , 25, 1-10	1.9	127
32	A new type of donor-acceptor cyclopropane reactivity: the generation of formal 1,2- and 1,4-dipoles. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3187-91	16.4	90
31	The rearrangement of cyclopropylketone arylhydrazones. Synthesis of tryptamines and tetrahydropyridazines. <i>Tetrahedron Letters</i> , 2014 , 55, 5936-5939	2	10
30	A novel and unusual reaction of 1,2,3,4,5,6,7-hepta(methoxycarbonyl)-cyclohepta-2,4,6-trien-1-yl potassium with organic azides. <i>Tetrahedron Letters</i> , 2014 , 55, 2381-2384	2	6
29	A New Type of Donor-Acceptor Cyclopropane Reactivity: The Generation of Formal 1,2- and 1,4-Dipoles. <i>Angewandte Chemie</i> , 2014 , 126, 3251-3255	3.6	26
28	Novel Formal [3+3] Cycloaddition of Silyl Nitronates with Activated Cyclopropanes and Its Application in the Synthesis of Pyrroline-N-oxides. <i>Synlett</i> , 2014 , 25, 2275-2280	2.2	28
27	Unexpected formation of substituted naphthalenes and phenanthrenes in a GaCl ₃ mediated dimerization-fragmentation reaction of 2-arylcyclopropane-1,1-dicarboxylates. <i>Mendeleev Communications</i> , 2014 , 24, 346-348	1.9	12
26	Electrooxidation of potassium hepta(methoxycarbonyl)cycloheptatrienide in acetonitrile. <i>Mendeleev Communications</i> , 2014 , 24, 363-364	1.9	1
25	Annelated 4,5-diazaspiro[2.4]hepta-4,6-diene obtained by [3 + 2] Cycloaddition of Diazocyclopropane to Cyclooctyne. <i>Mendeleev Communications</i> , 2013 , 23, 187-189	1.9	3
24	The Cyclopropyliminium Rearrangement of Cyclopropylthiazoles. <i>Mendeleev Communications</i> , 2013 , 23, 22-23	1.9	9
23	Dimerization of Dimethyl 2-(Naphthalen-1-yl)cyclopropane-1,1-dicarboxylate in the Presence of GaCl ₃ to [3+2], [3+3], [3+4], and Spiroannulation Products. <i>Helvetica Chimica Acta</i> , 2013 , 96, 2068-2080	2	13

22	Synthesis of 2,3-dihydro-1H-pyrrolo[1,2-a]benzimidazoles via the cyclopropyliminium rearrangement of substituted 2-cyclopropylbenzimidazoles. <i>Tetrahedron</i> , 2013 , 69, 3495-3505	2.4	12
21	Reaction of 1,2,3,4,5,6,7-(heptamethoxycarbonyl)cyclohepta-2,4,6-trien-1-yl potassium with tropylium tetrafluoroborate to form cage structures. <i>Tetrahedron</i> , 2013 , 69, 6855-6860	2.4	8
20	Unusual C-alkylation of pyrazolines with 2-(het)arylcyclopropane-1,1-dicarboxylates in the presence of GaCl ₃ . <i>Mendelev Communications</i> , 2012 , 22, 87-89	1.9	11
19	Complexes of Donor-Acceptor Cyclopropanes with Tin, Titanium, and Gallium Chlorides □ Mechanism Studies. <i>Organometallics</i> , 2012 , 31, 8627-8638	3.8	55
18	Unexpected formation of 4-arylcyclopentane-1,1,3,3-tetracarboxylates in GaCl ₃ -catalyzed reaction of 2-arylcyclopropane-1,1-dicarboxylates with tetrasubstituted 1-pyrazolines. <i>Mendelev Communications</i> , 2012 , 22, 181-183	1.9	8
17	Stereoselective double lewis acid/organo-catalyzed dimerization of donor-acceptor cyclopropanes into substituted 2-oxabicyclo[3.3.0]octanes. <i>Journal of Organic Chemistry</i> , 2012 , 77, 5993-6006	4.2	30
16	Design of Multi-Component Reactions. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 139-172	3.6	
15	New dimerization and cascade oligomerization reactions of dimethyl 2-phenylcyclopropan-1,1-dicarboxylate catalyzed by Lewis acids. <i>Tetrahedron Letters</i> , 2011 , 52, 4996-4999	2.9	46
14	Formation of tetrazoles on diazocyclopropane generation. <i>Mendelev Communications</i> , 2011 , 21, 302-304	1.9	1
13	Synthesis of substituted 2-alkyl-5-hydroxy-1-oxo-1,2-dihydroisoquinolines and their new condensed structures. <i>Mendelev Communications</i> , 2010 , 20, 83-85	1.9	8
12	Lewis acid catalyzed reactions of donor-Acceptor cyclopropanes with 1- and 2-pyrazolines: formation of substituted 2-pyrazolines and 1,2-diazabicyclo[3.3.0]octanes. <i>Tetrahedron</i> , 2010 , 66, 9151-9158	2.4	33
11	Synthesis of condensed heterocycles via cyclopropylimine rearrangement of cyclopropylazoles. <i>Tetrahedron Letters</i> , 2010 , 51, 5120-5123	2	19
10	Synthesis of substituted nortrop-2-enes and 3-vinylpyridin-2-ones via reaction of 1,2,3,4,5,6,7-heptamethoxycarbonylcycloheptatriene with primary amines. <i>Tetrahedron Letters</i> , 2009 , 50, 5605-5608	2	10
9	Synthesis and properties of stable 1,2,3,4,5,6,7-heptamethoxycarbonylcyclohepta-2,4,6-trien-1-yl potassium and its reactions with electrophilic reagents. <i>Tetrahedron</i> , 2008 , 64, 10201-10206	2.4	20
8	A new method for the synthesis of azaheterocycles based on cascade reactions of nitrogen- and phosphorus-containing ylides with methyl diazoacetate. <i>Tetrahedron Letters</i> , 2007 , 48, 883-886	2	20
7	4,5-Difluoro-1,2-dehydrobenzene: generation and cycloaddition reactions. <i>Mendelev Communications</i> , 2005 , 15, 45-46	1.9	12
6	Formation of cyclopropylazoarenes in the azo coupling reactions of the cyclopropanediazonium ion with active aromatic compounds. <i>Mendelev Communications</i> , 2002 , 12, 104-105	1.9	10
5	Synthesis and properties of nitrogenous heterocycles containing a spiro-fused cyclopropane fragment. <i>Russian Chemical Reviews</i> , 2000 , 69, 461-480	6.8	11

4	The first example of the generation and trapping of diazospiropentane by unsaturated compounds. <i>Mendeleev Communications</i> , 1997 , 7, 200-201	1.9	10
3	Electrophilic 1,5-Addition of Acyl Chlorides to Conjugated Azocyclopropanes. <i>Mendeleev Communications</i> , 1994 , 4, 119-120	1.9	9
2	Catalytic decomposition of diazomethane as a general method for the methylenation of chemical compounds. <i>Russian Chemical Reviews</i> , 1993 , 62, 799-838	6.8	54
1	Ionic Cyclopropenium-Derived Triplatinum Cluster Complex [(Ph ₃ C ₃) ₂ Pt ₃ (MeCN) ₄] ²⁺ (BF ₄) ₂ : Synthesis, Structure, and Perspectives for Use as a Catalyst for Hydrosilylation Reactions. <i>Organometallics</i> ,	3.8	1