

Igor V Trushkov

List of Publications by Year in descending order

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103
papers

2,854
citations

159358

30
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197535

49
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143
all docs

143
docs citations

143
times ranked

1566
citing authors

#	ARTICLE	IF	CITATIONS
1	Extended Corey-Chaykovsky reactions: transformation of 2-hydroxychalcones to benzannulated 2,8-dioxabicyclo[3.2.1]octanes and 2,3-dihydrobenzofurans. <i>Organic Chemistry Frontiers</i> , 2022, 9, 737-744.	2.3	4
2	4-(Dimethylamino)Pyridinium Azide in Protic Ionic Liquid Media as a Stable Equivalent of Hydrazoic Acid. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2403-2415.	2.1	6
3	(3+2)-Cycloaddition of Donor-Acceptor Cyclopropanes with Thiocyanate: A Facile and Efficient Synthesis of 2-Amino-4,5-dihydrothiophenes. <i>Synlett</i> , 2021, 32, 901-904.	1.0	16
4	Protic Ionic Liquid as Reagent, Catalyst, and Solvent: 1-Methylimidazolium Thiocyanate. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7927-7934.	7.2	43
5	Protic Ionic Liquid as Reagent, Catalyst, and Solvent: 1-Methylimidazolium Thiocyanate. <i>Angewandte Chemie</i> , 2021, 133, 8006-8013.	1.6	6
6	Oxidative Rearrangement of 2-(2-Aminobenzyl)furans: Synthesis of Functionalized Indoles and Carbazoles. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1274-1285.	1.2	5
7	Transformation of 3-(Furan-2-yl)-1,3-di(het)arylpropan-1-ones to Prop-2-en-1-ones via Oxidative Furan Dearomatization/2-Ene-1,4,7-triones Cyclization. <i>Molecules</i> , 2021, 26, 2637.	1.7	1
8	One-Step Synthesis of Triphenylphosphonium Salts from (Het)arylmethyl Alcohols. <i>Journal of Organic Chemistry</i> , 2021, 86, 9838-9846.	1.7	2
9	Donor-Acceptor Cyclopropane Ring Opening with 6-Amino-1,3-dimethyluracil and Its Use in Pyrimido[4,5- <i>b</i>]azepines Synthesis. <i>Journal of Organic Chemistry</i> , 2021, 86, 12300-12308.	1.7	13
10	Expanding Stereoelectronic Limits of <i>endo-tet</i> Cyclizations: Synthesis of Benz[<i>b</i>]azepines from Donor-Acceptor Cyclopropanes. <i>Journal of the American Chemical Society</i> , 2021, 143, 13952-13961.	6.6	25
11	Cyclopentene Assembly by Microwave-Assisted Domino Reaction of Donor-Acceptor Cyclopropanes with Ketals. <i>Synlett</i> , 2020, 31, 295-299.	1.0	7
12	Route to pyrrolo[1,2- <i>a</i>]quinoxalines via a furan ring opening-pyrrole ring closure sequence. <i>Tetrahedron Letters</i> , 2020, 61, 151532.	0.7	5
13	Ring Opening of Donor-Acceptor Cyclopropanes with Cyanide Ion and Its Surrogates. <i>Journal of Organic Chemistry</i> , 2020, 85, 1146-1157.	1.7	26
14	Donor-acceptor cyclopropanes with nucleophilic group at ortho-position of donor aromatic substituent. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
15	Synthesis of (Het)aryl 2-(2-hydroxyaryl)cyclopropyl Ketones. <i>Molecules</i> , 2020, 25, 5748.	1.7	3
16	A simple synthesis of 2-{2-[(arylmethylidene)amino]-indazol-3-yl}malonate esters. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 555-561.	0.6	2
17	Dimethyl 2-[[2-(2-Methoxy-1-methoxycarbonyl-2-oxoethyl)-4,5,7-trimethoxy-3-(2,4,5-trimethoxyphenyl)-2,3-dihydro-1H-inden-1-yl]methyl]malonate. <i>MolBank</i> , 2020, 2020, M1107.		
18	A Simple Synthesis of Densely Substituted Benzofurans by Domino Reaction of 2-Hydroxybenzyl Alcohols with 2-Substituted Furans. <i>Synthesis</i> , 2019, 51, 3747-3757.	1.2	12

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19	A Route to (Het)arene-Annulated Pyrrolo[1,2- <i>d</i>][1,4]diazepines via the Expanded Intramolecular Paal-Knorr Reaction: Nitro Group and Furan Ring as Equivalents of Amino Group and 1,4-Diketone. <i>Journal of Organic Chemistry</i> , 2019, 84, 13707-13720.	1.7	12
20	Indolylvinyl Ketones: Building Blocks for the Synthesis of Natural Products and Bioactive Compounds. <i>Synthesis</i> , 2019, 51, 787-815.	1.2	18
21	4b,5,6,9-Tetrahydro-7H-dibenzo[<i>c,e</i>]pyrrolo[1,2- <i>a</i>]azepin-7-one. <i>MolBank</i> , 2019, 2019, M1061.	0.2	2
22	Synthesis of 1-Substituted Pyrazolines by Reaction of Donor-Acceptor Cyclopropanes with 1,5-Diazabicyclo[3.1.0]hexanes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5475-5485.	1.2	19
23	Synthesis of 2,3-diaryl-2,3,4,4 ^o -tetrahydro-5H-indeno[1,2- <i>c</i>]pyridazin-5-ones. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 240-245.	0.6	11
24	Donor-Acceptor Cyclopropanes in the Synthesis of Carbocycles. <i>Chemical Record</i> , 2019, 19, 2189-2208.	2.9	96
25	Convenient Synthesis of Functionalized Cyclopropa[<i>c</i>]coumarin-1a-carboxylates. <i>Molecules</i> , 2019, 24, 57.	1.7	10
26	Facile Synthesis of β -Keto Sulfones Employing Fenton's Reagent in DMSO. <i>Synlett</i> , 2018, 29, 571-575.	1.0	7
27	Methods for the synthesis of donor-acceptor cyclopropanes. <i>Russian Chemical Reviews</i> , 2018, 87, 201-250.	2.5	82
28	Lewis Acid Triggered Vinylcyclopropane-Cyclopentene Rearrangement. <i>Journal of Organic Chemistry</i> , 2018, 83, 543-560.	1.7	69
29	Expanding the Reactivity of Donor-Acceptor Cyclopropanes: Synthesis of Benzannulated Five-Membered Heterocycles via Intramolecular Attack of a Pendant Nucleophilic Group. <i>Organic Letters</i> , 2018, 20, 7947-7952.	2.4	31
30	Convenient approach to polyoxygenated dibenzo[<i>c,e</i>]pyrrolo[1,2- <i>a</i>]azepines from donor-acceptor cyclopropanes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2829-2834.	2.3	10
31	(3+3)-Annulation of Donor-Acceptor Cyclopropanes with Diaziridines. <i>Angewandte Chemie</i> , 2018, 130, 10495-10499.	1.6	32
32	(3+3)-Annulation of Donor-Acceptor Cyclopropanes with Diaziridines. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10338-10342.	7.2	103
33	Furan Oxidation Reactions in the Total Synthesis of Natural Products. <i>Synthesis</i> , 2018, 50, 3059-3086.	1.2	55
34	A General Synthetic Route to Isomeric Pyrrolo[1,2- <i>x</i>][1,4]diazepinones. <i>Journal of Organic Chemistry</i> , 2018, 83, 11747-11757.	1.7	20
35	A simple synthesis of benzofurans by acid-catalyzed domino reaction of salicyl alcohols with <i>N</i> -tosylfurfurylamine. <i>Tetrahedron</i> , 2017, 73, 6523-6529.	1.0	11
36	CuBr ₂ -catalyzed alkylation of furans with benzyl alcohols and benzaldehydes. Domino reactions including this alkylation as a key step. <i>Tetrahedron</i> , 2017, 73, 7042-7053.	1.0	11

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37	Copper(II) bromide-catalyzed conjugate addition of furans to α,β -unsaturated carbonyl compounds. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 1286-1293.	0.6	5
38	Synthesis of hexahydropyridazin-3-ones by reactions between donor-acceptor cyclopropanes and phenylhydrazine. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 1220-1227.	0.6	12
39	Indole-derived Donor-Acceptor Cyclopropanes. <i>Israel Journal of Chemistry</i> , 2016, 56, 369-384.	1.0	13
40	A Straightforward Approach to Tetrahydroindolo[3,2-b]carbazoles and 1-Indolyltetrahydrocarbazoles through [3+3] Cyclodimerization of Indole-Derived Cyclopropanes. <i>Chemistry - A European Journal</i> , 2016, 22, 1223-1227.	1.7	27
41	Synthesis of quinolines via acid-catalyzed cyclodehydration of 2-(tosylamino)chalcones. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 1087-1091.	0.6	3
42	The Butin reaction. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 973-995.	0.6	17
43	From Umpolung to Alternation: Modified Reactivity of Donor-Acceptor Cyclopropanes Towards Nucleophiles in Reaction with Nitroalkanes. <i>Chemistry - A European Journal</i> , 2016, 22, 3692-3696.	1.7	51
44	Oxidative Furan-to-Indole Rearrangement. Synthesis of 2-(2-Acylvinyl)indoles and Flinderole C Analogues. <i>Organic Letters</i> , 2016, 18, 2192-2195.	2.4	28
45	Domino Staudinger-Wittig/Mannich Reaction: An Approach to Diversity of Di- and Tetrahydropyrrole Scaffolds. <i>Chemistry - A European Journal</i> , 2016, 22, 17967-17971.	1.7	19
46	Concise approach to pyrrolizino[1,2-b]indoles from indole-derived donor-acceptor cyclopropanes. <i>RSC Advances</i> , 2016, 6, 62014-62018.	1.7	13
47	A Straightforward Approach to Tetrahydroindolo[3,2-b]carbazoles and 1-Indolyltetrahydrocarbazoles through [3+3] Cyclodimerization of Indole-Derived Cyclopropanes. <i>Chemistry - A European Journal</i> , 2016, 22, 1185-1185.	1.7	0
48	Simple assembly of polysubstituted pyrazoles and isoxazoles via ring closure-ring opening domino reaction of 3-acyl-4,5-dihydrofurans with hydrazines and hydroxylamine. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2905-2915.	1.5	13
49	New domino dimerization of cyclopropylindoles: synthesis of 1,3-bis(indolyl)cyclopentanes. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 936-939.	0.6	6
50	Lewis and Brønsted Acid Induced (3 + 2)-Annulation of Donor-Acceptor Cyclopropanes to Alkynes: Indene Assembly. <i>Organic Letters</i> , 2015, 17, 770-773.	2.4	40
51	Furan's Gambit: Electrophile-Attack-Triggered Sacrifice of Furan Rings for the Intramolecular Construction of Azaheterocycles. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2999-3016.	1.2	50
52	Ring Opening of Donor-Acceptor Cyclopropanes with the Azide Ion: A Tool for Construction of N-Heterocycles. <i>Chemistry - A European Journal</i> , 2015, 21, 4975-4987.	1.7	136
53	Alexander Valerianovich Butin (18.05.1962-1.05.2015). <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 393-394.	0.6	0
54	A simple route to β -carbolines and indolizino[7,6-b]indoles. <i>Tetrahedron</i> , 2015, 71, 8786-8790.	1.0	8

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55	Formal [3 + 2]-Cycloaddition of Donor-acceptor Cyclopropanes to 1,3-Dienes: Cyclopentane Assembly. <i>Journal of Organic Chemistry</i> , 2015, 80, 12212-12223.	1.7	28
56	Shortcut Approach to Cyclopenta[b]indoles by [3+2] Cyclodimerization of Indole-Derived Cyclopropanes. <i>Synlett</i> , 2014, 25, 2289-2292.	1.0	15
57	Synthesis of Indoles by Domino Reaction of α -(Tosylamino)benzyl Alcohols with Furfurylamines: Two Opposite Reactivity Modes of the α -Carbon of the Furan Ring in One Process. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2508-2515.	1.2	18
58	Fluorinated Furans and Benzofurans. , 2014, , 181-231.		0
59	A Simple Route to Polysubstituted Indoles Exploiting Azide Induced Furan Ring Opening. <i>Organic Letters</i> , 2014, 16, 4150-4153.	2.4	40
60	Reaction of Corey Ylide with α,β -Unsaturated Ketones: Tuning of Chemoselectivity toward Dihydrofuran Synthesis. <i>Organic Letters</i> , 2014, 16, 2830-2833.	2.4	39
61	Acid-catalyzed cascade rearrangement of 4-acetoxy-9-furylnaphtho[2,3-b]furans. <i>Monatshefte für Chemie</i> , 2013, 144, 1711-1723.	0.9	3
62	A bioinspired route to indanes and cyclopentannulated hetarenes via (3+2)-cyclodimerization of donor-acceptor cyclopropanes. <i>Chemical Communications</i> , 2013, 49, 11482.	2.2	37
63	Reaction of donor-acceptor cyclopropanes with 1,3-diphenylisobenzofuran. Lewis acid effect on the reaction pathway. <i>Russian Chemical Bulletin</i> , 2013, 62, 2407-2423.	0.4	14
64	Duality of Donor-acceptor Cyclopropane Reactivity as a Three-carbon Component in Five-membered Ring Construction: [3+2] Annulation Versus [3+2] Cycloaddition. <i>Chemistry - A European Journal</i> , 2013, 19, 6586-6590.	1.7	53
65	Furan ring opening-pyrrole ring closure. A simple route to 1,2,3,4-tetrahydropyrrolo[1,2-a]pyrazin-3-ones. <i>Tetrahedron Letters</i> , 2013, 54, 3974-3976.	0.7	20
66	Reaction of dimethyl (S)-2-(p-tolyl)cyclopropane-1,1-dicarboxylate with acetonitrile. <i>Chemistry of Heterocyclic Compounds</i> , 2012, 48, 825-827.	0.6	14
67	From biomass to medicines. A simple synthesis of indolo[3,2-c]quinolines, antimalarial alkaloid isocryptolepine, and its derivatives. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7262.	1.5	60
68	Furan ring opening-indole ring closure: recyclization of 2-(2-aminophenyl)furans into 2-(2-oxoalkyl)indoles. <i>Tetrahedron</i> , 2012, 68, 619-627.	1.0	22
69	Furan ring opening-indole ring closure: SnCl ₂ -induced reductive transformation of difuryl(2-nitroaryl)methanes into 2-(2-acylvinyl)indoles. <i>Tetrahedron</i> , 2012, 68, 4252-4258.	1.0	30
70	(3 + 3)-Cyclodimerization of Donor-acceptor Cyclopropanes. Three Routes to Six-membered Rings. <i>Journal of Organic Chemistry</i> , 2011, 76, 8852-8868.	1.7	71
71	Novel route to quinolines via recyclization of furans. <i>Chemistry of Heterocyclic Compounds</i> , 2011, 46, 1539-1541.	0.6	3
72	Unusual reactivity of α -(3-indolyl)- α,β -unsaturated ketones. 2-Acetylvinyl group removal by phenylhydrazine hydrochloride. <i>Tetrahedron Letters</i> , 2011, 52, 5255-5258.	0.7	8

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73	Recent advances in ring-forming reactions of donor-acceptor cyclopropanes. Mendeleev Communications, 2011, 21, 293-301.	0.6	229
74	Synthesis of tetracyclic system of 2,4-di(tert-butyl)-6,7-dihydrofuro[2,3:3,4]cyclohepta[1,2-b]indole. Journal of Heterocyclic Chemistry, 2011, 48, 684-690.	1.4	9
75	Lewis Acid-Catalyzed [3+4] Annulation of 2-(Heteroaryl)-cyclopropane-1,1-dicarboxylates with Cyclopentadiene. Advanced Synthesis and Catalysis, 2011, 353, 1125-1134.	2.1	54
76	Domino Cyclodimerization of Indole-Derived Donor-Acceptor Cyclopropanes: One-Step Construction of the Pentaleno[1,6-a]indole Skeleton. Chemistry - A European Journal, 2011, 17, 11738-11742.	1.7	31
77	[3+2] Cyclodimerization of 2-arylcyclopropane-1,1-diesters. Lewis acid induced reversion of cyclopropane umpolung. Tetrahedron Letters, 2011, 52, 4421-4425.	0.7	41
78	Furan Ring Opening - Pyridine Ring Closure: New Route to Quinolines under the Bischler-Napieralski Reaction Conditions. Synthesis, 2011, 2011, 2629-2638.	1.2	15
79	First example of a synthesis of the tetracyclic 2,4-di(tert-butyl)-6,7-dihydrofuro[2',3':3,4]cyclohepta[1,2-b]indole system. Chemistry of Heterocyclic Compounds, 2010, 46, 117-119.	0.6	5
80	First synthesis of 2-alkyl-5-aryl-3,3-bis(methoxycarbonyl)-4,5-dihydropyrroles. Chemistry of Heterocyclic Compounds, 2010, 46, 120-122.	0.6	12
81	Lewis Acid-Catalyzed Isomerization of 2-Arylcyclopropane-1,1-dicarboxylates: A New Efficient Route to 2-Styrylmalonates. Advanced Synthesis and Catalysis, 2010, 352, 3179-3184.	2.1	66
82	Furan Ring Opening-Pyrrole Ring Closure: Simple Route to 5-Alkyl-2-(aminomethyl)pyrroles. Synthesis, 2010, 2010, 2969-2978.	1.2	13
83	Furan Ring Opening/Indole Ring Closure: Pictet-Spengler-Like Reaction of 2-(Aminophenyl)furan-3-yl Aldehydes. European Journal of Organic Chemistry, 2010, 2010, 920-926.	1.2	25
84	Furan ring opening-pyrrole ring closure: a new synthetic route to aryl(heteroaryl)-annulated pyrrolo[1,2-a][1,4]diazepines. Organic and Biomolecular Chemistry, 2010, 8, 3316.	1.5	49
85	Acyclic and cyclic forms of the radicals HO4... CH3O4... and C2H5O4: ab initio quantum chemical calculations. Russian Chemical Bulletin, 2009, 58, 489-492.	0.4	3
86	Lewis acid-catalyzed reactions of donor-acceptor cyclopropanes with furan derivatives. Tetrahedron, 2009, 65, 5385-5392.	1.0	60
87	The porphyrin-fullerene nanoparticles to promote the ATP overproduction in myocardium: 25Mg2+-magnetic isotope effect. European Journal of Medicinal Chemistry, 2009, 44, 1554-1569.	2.6	52
88	trans-4-amino-3-hydroxypiperidines. Regio- and stereoselective synthesis. Russian Journal of Organic Chemistry, 2009, 45, 1050-1060.	0.3	10
89	Lewis Acid Catalyzed Reactions of Donor-Acceptor Cyclopropanes with Anthracenes. European Journal of Organic Chemistry, 2008, 2008, 5329-5335.	1.2	68
90	Donor-Acceptor Cyclopropanes as Three-Carbon Components in a [4+3] Cycloaddition Reaction with 1,3-Diphenylisobenzofuran. Angewandte Chemie - International Edition, 2008, 47, 1107-1110.	7.2	156

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91	The effect of an N-substituent on the recyclization of (2-aminoaryl)bis(5-tert-butyl-2-furyl)methanes: synthesis of 3-furylindoles and triketoindoles. <i>Tetrahedron Letters</i> , 2008, 49, 20-24.	0.7	17
92	Fullerene-based Low Toxic Nanocationite Particles (Porphyrin Adducts of Cyclohexyl Fullerene-C60) to Treat Hypoxia-induced Mitochondrial Dysfunction in Mammalian Heart Muscle. <i>Archives of Medical Research</i> , 2008, 39, 549-559.	1.5	36
93	Simple and Convenient Synthesis of 4-Substituted-3-(3-Oxoalkyl)isocoumarins. <i>Synthetic Communications</i> , 2008, 38, 1569-1578.	1.1	11
94	NEW PORPHYRIN ADDUCT OF FULLERENE-C ₆₀ : A PROMISING NANOTOOL FOR MEDICINAL USE IN THE HEART MUSCLE HYPOXIA CASES. <i>International Journal of Nanoscience</i> , 2008, 07, 113-135.	0.4	13
95	Recyclization of (2-Aminophenyl)bis(5-tert-butyl-2-furyl)methanes into Indole Derivatives: Unusual Dependence on Substituent at Nitrogen Atom. <i>Synthesis</i> , 2008, 2008, 2943-2952.	1.2	15
96	Synthesis of the 4,10-Dihydro-3H-pyridazino[1,6-b]isoquinolin-10-one System by a Furan Recyclization Reaction. <i>Synthesis</i> , 2007, 2007, 2208-2214.	1.2	13
97	Bromination of 4-Dichloromethyl-4-methylcyclohexa-2,5-dien-1-ones. <i>Synthetic Communications</i> , 2007, 37, 2729-2736.	1.1	4
98	Unusual reactivity of 3-chloro-1-pentafluorosulfanylpropene in nucleophilic substitution reactions. <i>Tetrahedron Letters</i> , 2005, 46, 4777-4779.	0.7	17
99	Cyclopropyl- and Allyl-substituted Arenes in Reaction with Dinitrogen Tetroxide. Effect of Substrate Oxidation Potential on Reaction Direction. <i>Russian Journal of Organic Chemistry</i> , 2004, 40, 1098-1112.	0.3	5
100	Cycloaddition to buckminsterfullerene C60: advancements and future prospects. <i>Russian Chemical Bulletin</i> , 2002, 51, 367-443.	0.4	109
101	Oxidation of Alcohols with Periodic Acid Catalyzed by Fe(III)/2-Picolinic Acid. <i>Bulletin of the Korean Chemical Society</i> , 2002, 23, 1331-1332.	1.0	13
102	Correlation methods for analyzing and predicting reactivities in nucleophilic substitution processes. <i>Russian Chemical Bulletin</i> , 1995, 44, 777-800.	0.4	4
103	Cubic reaction coordinate diagram in the nucleophilic substitution process. <i>Tetrahedron Letters</i> , 1990, 31, 3199-3200.	0.7	7