

# Alexey V Varlamov

## List of Publications by Year in descending order

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501196

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all docs

122  
docs citations

122  
times ranked

897  
citing authors

#	ARTICLE	IF	CITATIONS
1	Domino reactions based on Knoevenagel condensation in the synthesis of heterocyclic compounds. Recent advances. <i>Tetrahedron</i> , 2014, 70, 551-572.	1.9	71
2	Thermal and catalytic intramolecular [4+2]-cycloaddition in 2-alkenylfurans. <i>Russian Chemical Reviews</i> , 2005, 74, 639-669.	6.5	44
3	A new approach to construction of isoindolo[1,2-a]isoquinoline alkaloids Nuevamine, Jamtine, and Hirsutine via IMDAF reaction. <i>Tetrahedron</i> , 2009, 65, 3789-3803.	1.9	42
4	General synthetic approach towards annelated 3a,6-epoxyisoindoles by tandem acylation/IMDAF reaction of furylazaheterocycles. Scope and limitations. <i>Tetrahedron</i> , 2014, 70, 1659-1690.	1.9	38
5	New synthetic approach to substituted isoindolo[2,1-a]quinoline carboxylic acids via intramolecular Diels-Alder reaction of 4-(N-furyl-2)-4-arylamino butenes-1 with maleic anhydride. <i>Tetrahedron</i> , 2005, 61, 4099-4113.	1.9	32
6	Skeletal Wagner-Meerwein rearrangement of perhydro-3a,6;4,5-diepoxyisoindoles. <i>Tetrahedron</i> , 2011, 67, 9148-9163.	1.9	32
7	Halogen bonding in Wagner-Meerwein rearrangement products. <i>Journal of Molecular Liquids</i> , 2018, 249, 949-952.	4.9	32
8	A novel synthesis of hexahydroazonoindoles using activated alkynes in an azepine ring expansion. <i>Tetrahedron</i> , 2006, 62, 12392-12397.	1.9	31
9	The first synthesis and X-ray crystal structure of tetrahydropyrrolo[2,3-d]azocines. <i>Tetrahedron Letters</i> , 2002, 43, 6767-6769.	1.4	30
10	Ester derivatives of annulated tetrahydroazocines: A new class of selective acetylcholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 7205-7212.	3.0	30
11	Synthesis of Benzoazocines from Substituted Tetrahydroisoquinolines and Activated Alkynes in a Tetrahydropyridine Ring Expansion. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 6106-6117.	2.4	30
12	A new approach towards the synthesis of pyrrolo[2,1-a]isoquinolines. <i>Tetrahedron Letters</i> , 2010, 51, 840-842.	1.4	30
13	Inhibition of 6-hydroxydopamine-induced oxidative damage by 4,5-dihydro-3H-2-benzazepine N-oxides. <i>Biochemical Pharmacology</i> , 2008, 75, 1526-1537.	4.4	26
14	The first example of an intramolecular Diels-Alder furan (IMDAF) reaction of iminium salts and its application in a short and simple synthesis of the isoindolo[1,2-a]isoquinoline core of the jamtine and hirsutine alkaloids. <i>Tetrahedron Letters</i> , 2010, 51, 6822-6824.	1.4	24
15	Tetrahydropyridine (THP) ring expansion under the action of activated terminal alkynes. The first synthesis and X-ray crystal structure of tetrahydropyrimido[4,5-d]azocines. <i>Tetrahedron Letters</i> , 2006, 47, 999-1001.	1.4	23
16	Aromatization of IMDAF adducts in aqueous alkaline media. <i>RSC Advances</i> , 2012, 2, 4103.	3.6	23
17	A general strategy for the synthesis of oxoisoindolo[2,1-a]quinoline derivatives: the first efficient synthesis of 5,6,6a,11-tetrahydro-11-oxoisoindolo[2,1-a]quinoline-10-carboxylic acids. <i>Tetrahedron Letters</i> , 2003, 44, 3641-3643.	1.4	22
18	A Domino Route toward Polysubstituted Pyrroles from 2-Imidazolines and Electron-Deficient Alkynes. <i>Organic Letters</i> , 2020, 22, 4726-4731.	4.6	22

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19	Tandem enlargement of the tetrahydropyridine ring in 1-aryl-tetrahydroisoquinolines using activated alkynes—a new and effective synthesis of benzoazocines. <i>Tetrahedron Letters</i> , 2006, 47, 4585-4589.	1.4	21
20	Chapter 2 Synthesis of Heteroannulated Azocine Derivatives. <i>Advances in Heterocyclic Chemistry</i> , 2008, , 81-122.	1.7	21
21	An efficient approach to isoindolo[2,1-b][2]benzazepines via intramolecular [4+2] cycloaddition of maleic anhydride to 4-furyl-4-N-benzylaminobut-1-enes. <i>Tetrahedron</i> , 2004, 60, 8455-8463.	1.9	20
22	The first example of tetrahydrothieno[3,2-d]azocines synthesis. <i>Tetrahedron</i> , 2008, 64, 10443-10452.	1.9	20
23	Synthesis of chromeno[2,3- <i>b</i> :4,5]imidazo[2,1- <i>a</i> ]isoquinolines via a novel domino reaction of isoquinoline-derived immonium salts. Scope and limitations. <i>Tetrahedron</i> , 2012, 68, 5498-5504.	1.9	19
24	Wagner–Meerwein Skeletal Rearrangement of 3-Spiroannulated 6,8a-Epoxy- and 6,8a;7,8-Diepoxyisoquinolines (3-Aza-11-oxatricyclo[6.2.1.0 <sub>1,6</sub> ]undec-9-enes). Isolation and Identification of 5-Aza-2-oxatricyclo[6.2.1.0 <sub>3,9</sub> ]undec-3-enes. <i>Journal of Organic Chemistry</i> , 2004, 69, 432-438.	3.2	18
25	The interaction of 4-hydroxymethyl isoindolines with dehydrobenzene. Synthesis of 3-phenylaminomethylidihydrobenzo[ <i>c</i> ]furanes. <i>Tetrahedron</i> , 2015, 71, 1175-1181.	1.9	18
26	The intramolecular Diels–Alder vinylfuran (IMDAV) reaction: a short approach to aza-analogues of pinguisane-type sesquiterpenes. <i>Tetrahedron Letters</i> , 2015, 56, 4499-4501.	1.4	18
27	Tandem transformations of tetrahydrobenzothieno[2,3- <i>c</i> ]pyridines in the presence of activated alkynes. <i>Tetrahedron</i> , 2010, 66, 9421-9430.	1.9	17
28	First synthesis of heterocyclic allenes — benzazecine derivatives. <i>New Journal of Chemistry</i> , 2017, 41, 1902-1904.	2.8	17
29	DBU-Catalyzed Alkyne–Imidate Cyclization toward 1-Alkoxy-pyrazino[1,2- <i>a</i> ]indole Synthesis. <i>Journal of Organic Chemistry</i> , 2018, 83, 9305-9311.	3.2	17
30	Synthesis and Reactivity of a Novel Class of Long-Lived Ammonium Ylides: Derivatives of Benzo[ <i>b</i> ]pyrrolo[2,1- <i>f</i> ][1.6]naphthyridine. <i>Journal of Organic Chemistry</i> , 2008, 73, 4596-4601.	3.2	15
31	2-Benzazepine Nitrones Protect Dopaminergic Neurons against 6-Hydroxydopamine-Induced Oxidative Toxicity. <i>Archiv Der Pharmazie</i> , 2012, 345, 598-609.	4.1	15
32	A facile synthesis of 1-oxo-pyrrolo[2,1- <i>a</i> ]isoquinolines. <i>Tetrahedron Letters</i> , 2017, 58, 877-879.	1.4	15
33	A novel cascade Knoevenagel condensation—an intramolecular nucleophilic cyclization approach toward annulated chromenes. <i>Tetrahedron Letters</i> , 2010, 51, 2269-2270.	1.4	14
34	Easy construction of furo[2,3- <i>f</i> ]isoindole core by the IMDAV reaction between 3-(furyl)allyl amines and 1,2-unsaturated acid anhydrides. <i>Tetrahedron</i> , 2016, 72, 2239-2253.	1.9	14
35	Intramolecular [4+2] cycloaddition of furfurylsubstituted homoallyl amines to allylhalides, acryloyl chloride and maleic anhydride. <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 1479-1495.	2.6	13
36	Synthesis of Chromenoimidazoles, Annulated with an Azaindole Moiety, through a Base-Promoted Domino Reaction of Cyano–methyl Quaternary Salts. <i>Synthesis</i> , 2017, 49, 2753-2760.	2.3	13

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37	An Intramolecular Diels-Alder Furan (IMDAF) Approach towards the Synthesis of Isoindolo[2,1-a]quinazolines and Isoindolo[1,2-b]quinazolines. <i>Synthesis</i> , 2017, 49, 3749-3767.	2.3	13
38	Cleavage of some annulated tetrahydropyridines under the action of dimethyl acetylene dicarboxylate in protic solvents. New practical route to substituted pyrroles and indoles. <i>Molecular Diversity</i> , 2000, 6, 207-212.	3.9	12
39	TANDEM MICHAEL ADDITION - HOFFMAN ELIMINATION SEQUENCE OF DMAD ON TETRAHYDROPYRROLO[3,2-C]PYRIDINES. NEW ROUTE TO VINYL PYRROLES .. <i>Heterocyclic Communications</i> , 2001, 7, .	1.2	12
40	Transformations of tetrahydrobenzo[b][1,6]naphthyridines and tetrahydropyrido[4,3-b]pyrimidines under the action of dimethyl acetylene dicarboxylate. <i>Tetrahedron Letters</i> , 2005, 46, 1975-1979.	1.4	12
41	A novel domino condensation-intramolecular nucleophilic cyclization approach towards annulated thiochromenes. <i>Tetrahedron Letters</i> , 2013, 54, 5172-5173.	1.4	12
42	Sequential three-component reaction of homophthalonitrile, salicylaldehydes and nitromethane. <i>Mendeleev Communications</i> , 2017, 27, 451-453.	1.6	12
43	Investigation on the antiplatelet activity of pyrrolo[3,2-c]pyridine-containing compounds. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 55, 323-332.	2.4	11
44	A Simple Preparative Synthesis of Epoxy[1,3]oxazino(or oxazolo)[2,3-a]-isoindoles and Their Thia Analogues via IMDAF. <i>Synlett</i> , 2010, 2010, 2063-2066.	1.8	11
45	Synthesis of Polycyclic Imidazo[1,4]thiazine Derivatives by an ANRORC Domino Reaction. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6124-6126.	2.4	11
46	Aza-Henry and aza-Knoevenagel reactions of nitriles for the synthesis of pyrido[1,2-a]indoles. <i>Chemical Communications</i> , 2020, 56, 6527-6530.	4.1	11
47	Transformation of 2-methyl-1-phenylethynyl-1,2,3,4-tetrahydroisoquinoline by the action of activated alkynes. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 576-580.	1.2	10
48	Highly Fluorescent Pyrido[2,3-a]indolizine-10-Carbonitriles through Pseudo Three-Component Reactions of N-(Cyanomethyl)pyridinium Salts. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6770-6775.	2.4	10
49	The reaction of tetrahydrochromeno[3,4-c]pyridines with activated alkynes. The first synthesis of tetrahydrochromeno[4,3-d]azocines. <i>Tetrahedron Letters</i> , 2011, 52, 4189-4191.	1.4	9
50	The intramolecular Diels-Alder vinylthiophen (IMDAV) reaction: An easy approach to thieno[2,3-f]isoindole-4-carboxylic acids. <i>Tetrahedron Letters</i> , 2017, 58, 4103-4106.	1.4	9
51	Facile Methods for the Synthesis of 1,2,3,8-tetrahydrobenzazecines. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3041-3049.	2.4	9
52	A novel alkyne-induced recyclization of 4-hydroxymethyl or 4-formyl-1H-2,3-dihydroisoindoles-an effective pathway to substituted isobenzofurans. <i>Tetrahedron Letters</i> , 2009, 50, 4851-4853.	1.4	8
53	A novel synthesis of pyrrolo[1,2-d][1,4]diazocines from tetrahydropyrrolo[1,2-a]pyrazines using activated alkynes in pyrazine ring expansion. <i>Tetrahedron</i> , 2010, 66, 5140-5148.	1.9	8
54	Synthesis of 2-(chloro(methoxy, morpholino)methyl)-hexahydropyrimidothieno[3,2-c]azocines and tetrahydrospiro[pyrido[4,5']thieno[2,3-d]pyrimidines]. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 17-25.	1.2	8

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55	A novel domino condensationâ€”intramolecular nucleophilic cyclization approach toward annulated imidazo-pyrrolopyridines. <i>Tetrahedron Letters</i> , 2015, 56, 6475-6477.	1.4	8
56	Alcohol-Initiated Dinitrile Cyclization in Basic Media: A Route Toward Pyrazino[1,2-a]indole-3-Amines. <i>Synlett</i> , 2018, 29, 898-903.	1.8	8
57	3-benzazecine-based cyclic allene derivatives as highly potent P-glycoprotein inhibitors overcoming doxorubicin multidrug resistance. <i>Future Medicinal Chemistry</i> , 2019, 11, 2095-2106.	2.3	8
58	Away from Flatness: Unprecedented Nitrogen-Bridged Cyclopenta[ <i>c</i> ]indene Derivatives as Novel Anti-Alzheimer Multitarget Agents. <i>ACS Chemical Neuroscience</i> , 2021, 12, 340-353.	3.5	8
59	First synthesis and x-ray crystal structure of hexahydrobenzo[ <i>b</i> ]pyrido[3,4,5- <i>de</i> ]-1,6-naphthyridines. <i>Journal of Heterocyclic Chemistry</i> , 2005, 42, 1207-1210.	2.6	7
60	Revision of the Structure and Total Synthesis of Topsentin C. <i>Synthesis</i> , 2017, 49, 2562-2574.	2.3	7
61	Synthesis of chromenoimidazocarboline by a reaction of quaternary iminium salts with <i>o</i> -hydroxybenzaldehydes. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 501-503.	1.2	7
62	Mn-mediated sequential three-component domino Knoevenagel/cyclization/Michael addition/oxidative cyclization reaction towards annulated imidazo[1,2- <i>a</i> ]pyridines. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 3078-3087.	2.2	7
63	Homophthalonitrile for Multicomponent Reactions: Syntheses and Optical Properties of <i>o</i> -Cyanophenyl- or Indolyl-Substituted Chromeno[2,3- <i>ic</i> ]isoquinolin-5-ylamines. <i>ChemistryOpen</i> , 2019, 8, 23-30.	1.9	7
64	Microwave-Assisted Synthesis of Fluorescent Pyrido[2,3- <i>b</i> ]indolizines from Alkylpyridinium Salts and Enaminones. <i>Molecules</i> , 2020, 25, 4059.	3.8	7
65	Novel Synthetic Route Toward Benzofuran-pyridine-Based Spirans. <i>Synthetic Communications</i> , 2012, 42, 3337-3343.	2.1	6
66	New approaches to the synthesis of benzo[ <i>h</i> ]pyrroloisoquinoline derivatives. <i>Tetrahedron Letters</i> , 2019, 60, 151264.	1.4	6
67	Unusual Transformations of Cyclic Allenes with an Enamine Moiety into Complex Frameworks. <i>Synlett</i> , 2020, 31, 672-676.	1.8	5
68	A Three-Component Synthesis of 3-Functionally Substituted 5,6-Dihydropyrrolo[2,1- <i>a</i> ]isoquinolines. <i>Chemistry and Biodiversity</i> , 2022, 19, e2100584.	2.1	5
69	Assembly of 1,2,3,4-Tetrahydropyrrolo[1,2- <i>a</i> ]pyrazines via the Domino Reaction of 2-Imidazolines and Terminal Electron-Deficient Alkynes. <i>Journal of Organic Chemistry</i> , 2022, , .	3.2	5
70	Three-component synthesis of 5,6-dihydropyrrolo[2,1- <i>a</i> ]isoquinolines from 1- <i>o</i> -aryl-3,4-dihydroisoquinolines, electron-deficient alkynes and NH-acids. <i>Tetrahedron Letters</i> , 2022, 103, 153991.	1.4	5
71	N-propargyl aza-Claisen rearrangement in the synthesis of heterocycles. <i>Tetrahedron</i> , 2022, 121, 132914.	1.9	5
72	Synthesis of 3-spiroannulated hexahydro-6,8a-epoxyisoquinolines. <i>Mendeleev Communications</i> , 2002, 12, 32-33.	1.6	4

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73	Acetylation and trifluoroacetylation reactions of tetrahydropyrrolo[3,2-c]pyridines. Mendeleev Communications, 2002, 12, 162-163.	1.6	4
74	Wagner's Meerwein rearrangement in 2,6a-epoxyoxireno[e]isoindole series. Chemistry of Heterocyclic Compounds, 2016, 52, 736-742.	1.2	4
75	Synthesis of 1-tetrazolyl-substituted 2,3,4,9-tetrahydro-1H- $\beta$ -carbolines and their transformations involving activated alkynes. Chemistry of Heterocyclic Compounds, 2017, 53, 575-581.	1.2	4
76	Reactions of 3,4-dihydroisoquinolines and dihydrothieno[3,2-c]pyridines with benzyne. Mendeleev Communications, 2017, 27, 506-508.	1.6	4
77	Facile Synthesis and Biological Evaluation of New Thieno[2,3-g]indolizine Derivatives. ChemistrySelect, 2020, 5, 10821-10826.	1.5	4
78	Synthesis of 8-phenyl substituted 3-benzazecines with allene moiety, their thermal rearrangement and evaluation as acetylcholinesterase inhibitors. Molecular Diversity, 2022, 26, 1243-1247.	3.9	4
79	Transformations of cotarnine chloride by the action of silver acetylides and alkynes. Chemistry of Heterocyclic Compounds, 2016, 52, 316-321.	1.2	3
80	Reaction of benzyne with 1,2,3,4-tetrahydroisoquinolines as an access to 1 H-3-benzazepines. Mendeleev Communications, 2018, 28, 22-24.	1.6	3
81	Reductive domino reaction to access chromeno[2,3-c]isoquinoline-5-amines with antiproliferative activities against human tumor cells. Bioorganic Chemistry, 2020, 104, 104169.	4.1	3
82	Total synthesis of hamacanthin B class marine bisindole alkaloids. Chemistry of Heterocyclic Compounds, 2020, 56, 331-338.	1.2	3
83	Cleavage of 7- and 8-nitropyrido[1,2-a]benzimidazoles on treatment with dimethyl acetylenedicarboxylate. Mendeleev Communications, 2005, 15, 127-128.	1.6	2
84	[4+2] Cycloaddition of $\alpha,\beta$ -unsaturated acid anhydrides to $2\alpha$ -furylpiperidinones: The short route to annulated 8,10-epoxy-pyrido[2,1-a]isoindoles. Journal of Heterocyclic Chemistry, 2010, 47, 400-414.	2.6	2
85	Synthesis of 1-(para-methoxyphenyl)tetrazolyl-Substituted 1,2,3,4-Tetrahydroisoquinolines and Their Transformations Involving Activated Alkynes. Molecules, 2018, 23, 3010.	3.8	2
86	Facile synthesis of pyrrolo[2,1-a]isoquinolines by domino reaction of 1-aryl-3,4-dihydroisoquinolines with conjugated ketones, nitroalkenes and nitriles. Molecular Diversity, 2021, 25, 2441-2446.	3.9	2
87	Microwave-assisted sequential three-component synthesis of pyrrolyl-substituted chromeno[2,3-c]isoquinolin-5-amines. Chemistry of Heterocyclic Compounds, 2020, 56, 495-498.	1.2	2
88	Switchable light vs acid-induced transformations of complex framework compounds at room temperature. Green Chemistry, 0, , .	9.0	2
89	Dehydrogenation of tetrahydrospiro[3H-2-benzazepines] under mild conditions as a new route to dihydro derivatives. Mendeleev Communications, 2000, 10, 200-201.	1.6	1
90	Acetylation and Trifluoroacetylation Reactions of Tetrahydropyrrolo[3,2-c]pyridines.. ChemInform, 2003, 34, no.	0.0	0

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91	A General Strategy for the Synthesis of Oxoisindolo[2,1-a]quinoline Derivatives: The First Efficient Synthesis of 5,6,6a,11-Tetrahydro-11-oxoisindolo[2,1-a]quinoline-10-carboxylic Acids.. ChemInform, 2003, 34, no.	0.0	0
92	Cleavage of Some Annulated Tetrahydropyridines under the Action of Dimethyl Acetylene Dicarboxylate in Protic Solvents. New Practical Route to Substituted Pyrroles and Indoles.. ChemInform, 2004, 35, no.	0.0	0
93	New Synthetic Approach to Substituted Isoindolo[2,1-a]quinoline Carboxylic Acids via Intramolecular Dielsâ€ Alder Reaction of 4-(Furyl-2)-4-arylamino-butenes-1 with Maleic Anhydride.. ChemInform, 2005, 36, no.	0.0	0
94	Cleavage of 7- and 8-Nitropyrido[1,2-a]benzimidazoles on Treatment with Dimethyl Acetylenedicarboxylate.. ChemInform, 2005, 36, no.	0.0	0
95	First Synthesis and X-Ray Crystal Structure of Hexahydrobenzo[b]pyrido[3,4,5-de]-1,6-naphthyridines.. ChemInform, 2006, 37, no.	0.0	0
96	Unusual thermolysis of azacyclic allene under microwave conditions: crystal structure of (3 <i>RS</i> ,3 <i>aSR</i> ,8 <i>RS</i> ,8 <i>aRS</i> )-methyl 5,6-dimethoxy-3 <i>a</i> ,10-dimethyl-1-phenyl-3,3 <i>a</i> ,8,8 <i>a</i> -tetrahydro-3,8-(epiminomethano)cyclopenta[ <i>a</i> ]indene-2-carboxylate from synchrotron X-ray diffraction. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1770-1773.	0.0	0
97	Intramolecular [4+2] cycloaddition in N-allyl- and N-propargyl- $\hat{1}\pm$ -furyl lactams. Chemistry of Heterocyclic Compounds, 2018, 54, 451-457.	1.2	0
98	A new approach to alkaloid-like systems: synthesis and crystal structure of 1-(2-acetyl-1 <i>H</i> -methoxy-5,6-dihydro[1,3]dioxolo[4,5- <i>g</i> ] <i>h</i> ]pyrrolo[2,1- <i>a</i> ]isoquinolin-1-yl)propan-2-one. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1732-1734.	0.5	0
99	Green synthesis of polysubstituted pyrroles through a domino sequence of aza-Claisen rearrangement/nucleophilic addition/oxidation/acylation. AIP Conference Proceedings, 2022, , .	0.4	0
100	Synthesis of pyrrolo[1,2- <i>d</i> ][1,4]diazecines through an alkyne-triggered sequence of cleavage/cyclization in 1-phenylethynyl substituted pyrrolo[1,2- <i>a</i> ]pyrazines. AIP Conference Proceedings, 2022, , .	0.4	0