

Alexey V Varlamov

List of Publications by Year in descending order

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361413

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122
docs citations

122
times ranked

897
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of 8-phenyl substituted 3-benzazecines with allene moiety, their thermal rearrangement and evaluation as acetylcholinesterase inhibitors. <i>Molecular Diversity</i> , 2022, 26, 1243-1247.	3.9	4
2	A Three-Component Synthesis of 5,6-Dihydropyrrolo[2,1-a]isoquinolines. <i>Chemistry and Biodiversity</i> , 2022, 19, e2100584.	2.1	5
3	Assembly of 1,2,3,4-Tetrahydropyrrolo[1,2-a]pyrazines via the Domino Reaction of 2-Imidazolines and Terminal Electron-Deficient Alkynes. <i>Journal of Organic Chemistry</i> , 2022, , .	3.2	5
4	Green synthesis of polysubstituted pyrroles through a domino sequence of aza-Claisen rearrangement/nucleophilic addition/oxidation/acylation. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	0
5	Synthesis of pyrrolo[1,2-d][1,4]diazecines through an alkyne-triggered sequence of cleavage/cyclization in 1-phenylethynyl substituted pyrrolo[1,2-a]pyrazines. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	0
6	Three-component synthesis of 5,6-dihydropyrrolo[2,1-a]isoquinolines from 1-aryl-3,4-dihydroisoquinolines, electron-deficient alkynes and NH-acids. <i>Tetrahedron Letters</i> , 2022, 103, 153991.	1.4	5
7	N-propargyl aza-Claisen rearrangement in the synthesis of heterocycles. <i>Tetrahedron</i> , 2022, 121, 132914.	1.9	5
8	Facile synthesis of pyrrolo[2,1-a]isoquinolines by domino reaction of 1-aryl-3,4-dihydroisoquinolines with conjugated ketones, nitroalkenes and nitriles. <i>Molecular Diversity</i> , 2021, 25, 2441-2446.	3.9	2
9	Away from Flatness: Unprecedented Nitrogen-Bridged Cyclopenta[<i>a</i>]indene Derivatives as Novel Anti-Alzheimer Multitarget Agents. <i>ACS Chemical Neuroscience</i> , 2021, 12, 340-353.	3.5	8
10	Reductive domino reaction to access chromeno[2,3-c]isoquinoline-5-amines with antiproliferative activities against human tumor cells. <i>Bioorganic Chemistry</i> , 2020, 104, 104169.	4.1	3
11	Microwave-Assisted Synthesis of Fluorescent Pyrido[2,3-b]indolizines from Alkylpyridinium Salts and Enaminones. <i>Molecules</i> , 2020, 25, 4059.	3.8	7
12	Facile Synthesis and Biological Evaluation of New Thieno[2,3-g]indolizine Derivatives. <i>ChemistrySelect</i> , 2020, 5, 10821-10826.	1.5	4
13	Microwave-assisted sequential three-component synthesis of pyrrolyl-substituted chromeno[2,3-c]isoquinolin-5-amines. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 495-498.	1.2	2
14	A Domino Route toward Polysubstituted Pyrroles from 2-Imidazolines and Electron-Deficient Alkynes. <i>Organic Letters</i> , 2020, 22, 4726-4731.	4.6	22
15	Unusual Transformations of Cyclic Allenes with an Enamine Moiety into Complex Frameworks. <i>Synlett</i> , 2020, 31, 672-676.	1.8	5
16	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
17	Total synthesis of hamacanthin B class marine bisindole alkaloids. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 331-338.	1.2	3
18	Facile Methods for the Synthesis of 8-arylidene-1,2,3,8-tetrahydrobenzazecines. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3041-3049.	2.4	9

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19	Highly Fluorescent Pyrido[2,3- <i>b</i>]indolizine-10- <i>C</i> arbonitriles through Pseudo Three-Component Reactions of <i>N</i> -(Cyanomethyl)pyridinium Salts. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6770-6775.	2.4	10
20	New approaches to the synthesis of benzo[<i>h</i>]pyrroloisoquinoline derivatives. <i>Tetrahedron Letters</i> , 2019, 60, 151264.	1.4	6
21	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
22	Homophthalonitrile for Multicomponent Reactions: Syntheses and Optical Properties of <i>o</i> -(Cyanophenyl)- or Indolyl-Substituted Chromeno[2,3- <i>c</i>]isoquinolin-5- <i>A</i> mines. <i>ChemistryOpen</i> , 2019, 8, 23-30.	1.9	7
23	Reaction of benzyne with 1,2,3,4-tetrahydroisoquinolines as an access to 1- <i>H</i> -3-benzazepines. <i>Mendeleev Communications</i> , 2018, 28, 22-24.	1.6	3
24	Alcohol-Initiated Dinitrile Cyclization in Basic Media: A Route Toward Pyrazino[1,2- <i>a</i>]indole-3-Amines. <i>Synlett</i> , 2018, 29, 898-903.	1.8	8
25	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
26	Synthesis of 1-(<i>para</i> -methoxyphenyl)tetrazolyl-Substituted 1,2,3,4-Tetrahydroisoquinolines and Their Transformations Involving Activated Alkynes. <i>Molecules</i> , 2018, 23, 3010.	3.8	2
27	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
28	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
29	Halogen bonding in Wagner-Meerwein rearrangement products. <i>Journal of Molecular Liquids</i> , 2018, 249, 949-952.	4.9	32
30	Intramolecular [4+2] cycloaddition in <i>N</i> -allyl- and <i>N</i> -propargyl- β -furyl lactams. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 451-457.	1.2	0
31	A facile synthesis of 1-oxo-pyrrolo[2,1- <i>a</i>]isoquinolines. <i>Tetrahedron Letters</i> , 2017, 58, 877-879.	1.4	15
32	First synthesis of heterocyclic allenes – benzazecine derivatives. <i>New Journal of Chemistry</i> , 2017, 41, 1902-1904.	2.8	17
33	Revision of the Structure and Total Synthesis of Topsentin C. <i>Synthesis</i> , 2017, 49, 2562-2574.	2.3	7
34	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
35	An Intramolecular Diels-Alder Furan (IMDAF) Approach towards the Synthesis of Isoindolo[2,1- <i>a</i>]quinazolines and Isoindolo[1,2- <i>b</i>]quinazolines. <i>Synthesis</i> , 2017, 49, 3749-3767.	2.3	13
36	Synthesis of 1-tetrazolyl-substituted 2,3,4,9-tetrahydro-1 <i>H</i> - β -carbolines and their transformations involving activated alkynes. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 575-581.	1.2	4

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37	Synthesis of chromenoimidazocarboline by a reaction of quaternary iminium salts with o-hydroxybenzaldehydes. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 501-503.	1.2	7
38	Sequential three-component reaction of homophthalonitrile, salicylaldehydes and nitromethane. <i>Mendeleev Communications</i> , 2017, 27, 451-453.	1.6	12
39	Reactions of 3,4-dihydroisoquinolines and dihydrothieno[3,2-c]pyridines with benzyne. <i>Mendeleev Communications</i> , 2017, 27, 506-508.	1.6	4
40	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
41	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. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1770-1773.	0	0
42	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>])pyrrolo[2,1- <i>a</i>]isoquinolin-1-yl)propan-2-one. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1732-1734.	0.5	0
43	Transformations of cotarnine chloride by the action of silver acetylides and alkynes. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 316-321.	1.2	3
44	Wagner's Meerwein rearrangement in 2,6 <i>a</i> -epoxyoxireno[<i>e</i>]isoindole series. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 736-742.	1.2	4
45	Easy construction of furo[2,3- <i>f</i>]isoindole core by the IMDAV reaction between 3-(furyl)allylamines and β,β' -unsaturated acid anhydrides. <i>Tetrahedron</i> , 2016, 72, 2239-2253.	1.9	14
46	The interaction of 4-hydroxymethyl isoindolines with dehydrobenzene. Synthesis of 3-phenylaminomethyl dihydrobenzo[<i>c</i>]furan. <i>Tetrahedron</i> , 2015, 71, 1175-1181.	1.9	18
47	The intramolecular Diels-Alder vinylfuran (IMDAV) reaction: a short approach to aza-analogues of pinguicane-type sesquiterpenes. <i>Tetrahedron Letters</i> , 2015, 56, 4499-4501.	1.4	18
48	Synthesis of 2-(chloro(methoxy, morpholino)methyl)-hexahydropyrimidothieno[3,2- <i>c</i>]azocines and tetrahydrospiro[pyrido[4,5']thieno[2,3- <i>d</i>]pyrimidines]. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 17-25.	1.2	8
49	A novel domino condensation's intramolecular nucleophilic cyclization approach toward annulated imidazo-pyrrolopyridines. <i>Tetrahedron Letters</i> , 2015, 56, 6475-6477.	1.4	8
50	General synthetic approach towards annelated 3 <i>a</i> ,6-epoxyisoindoles by tandem acylation/IMDAF reaction of furylazaheterocycles. Scope and limitations. <i>Tetrahedron</i> , 2014, 70, 1659-1690.	1.9	38
51	Domino reactions based on Knoevenagel condensation in the synthesis of heterocyclic compounds. Recent advances. <i>Tetrahedron</i> , 2014, 70, 551-572.	1.9	71
52	A novel domino condensation's intramolecular nucleophilic cyclization approach towards annulated thiochromenes. <i>Tetrahedron Letters</i> , 2013, 54, 5172-5173.	1.4	12
53	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
54	Synthesis of chromeno[2 <i>a</i> :3 <i>a</i>]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

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55	Aromatization of IMDAF adducts in aqueous alkaline media. RSC Advances, 2012, 2, 4103.	3.6	23
56	Novel Synthetic Route Toward Benzofuran-pyridine-Based Spirans. Synthetic Communications, 2012, 42, 3337-3343.	2.1	6
57	2-Benzazepine Nitrones Protect Dopaminergic Neurons against 6-Hydroxydopamine-Induced Oxidative Toxicity. Archiv Der Pharmazie, 2012, 345, 598-609.	4.1	15
58	Skeletal Wagner-Meerwein rearrangement of perhydro-3a,6;4,5-diepoxyisoindoles. Tetrahedron, 2011, 67, 9148-9163.	1.9	32
59	The reaction of tetrahydrochromeno[3,4-c]pyridines with activated alkynes. The first synthesis of tetrahydrochromeno[4,3-d]azocines. Tetrahedron Letters, 2011, 52, 4189-4191.	1.4	9
60	Investigation on the antiplatelet activity of pyrrolo[3,2-c]pyridine-containing compounds. Journal of Pharmacy and Pharmacology, 2010, 55, 323-332.	2.4	11
61	[4+2] Cycloaddition of α,β -unsaturated acid anhydrides to 2-furylpiperidinones: The short route to annulated 8,10-epoxyprido[2,1-isoindoles. Journal of Heterocyclic Chemistry, 2010, 47, 400-414.	2.6	2
62	A novel synthesis of pyrrolo[1,2-d][1,4]diazocines from tetrahydropyrrolo[1,2-a]pyrazines using activated alkynes in pyrazine ring expansion. Tetrahedron, 2010, 66, 5140-5148.	1.9	8
63	Tandem transformations of tetrahydrobenzothieno[2,3-c]pyridines in the presence of activated alkynes. Tetrahedron, 2010, 66, 9421-9430.	1.9	17
64	A new approach towards the synthesis of pyrrolo[2,1-a]isoquinolines. Tetrahedron Letters, 2010, 51, 840-842.	1.4	30
65	A novel cascade Kröhnke condensation—an intramolecular nucleophilic cyclization approach toward annulated chromenes. Tetrahedron Letters, 2010, 51, 2269-2270.	1.4	14
66	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. Tetrahedron Letters, 2010, 51, 6822-6824.	1.4	24
67	A Simple Preparative Synthesis of Epoxy[1,3]oxazino(or oxazolo)[2,3-a]-isoindoles and Their Thia Analogues via IMDAF. Synlett, 2010, 2010, 2063-2066.	1.8	11
68	A novel alkyne-induced recyclization of 4-hydroxymethyl or 4-formyl-1H-2,3-dihydroisoindoles—an effective pathway to substituted isobenzofurans. Tetrahedron Letters, 2009, 50, 4851-4853.	1.4	8
69	A new approach to construction of isoindolo[1,2-a]isoquinoline alkaloids Nuevamine, Jamtine, and Hirsutine via IMDAF reaction. Tetrahedron, 2009, 65, 3789-3803.	1.9	42
70	The first example of tetrahydrothieno[3,2-d]azocines synthesis. Tetrahedron, 2008, 64, 10443-10452.	1.9	20
71	Inhibition of 6-hydroxydopamine-induced oxidative damage by 4,5-dihydro-3H-2-benzazepine N-oxides. Biochemical Pharmacology, 2008, 75, 1526-1537.	4.4	26
72	Chapter 2 Synthesis of Heteroannulated Azocine Derivatives. Advances in Heterocyclic Chemistry, 2008, , 81-122.	1.7	21

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73	Synthesis and Reactivity of a Novel Class of Long-Lived Ammonium Ylides: Derivatives of Benzo[b]pyrrolo[2,1-f][1,6]naphthyridine. <i>Journal of Organic Chemistry</i> , 2008, 73, 4596-4601.	3.2	15
74	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
75	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
76	A novel synthesis of hexahydroazoninoindoles using activated alkynes in an azepine ring expansion. <i>Tetrahedron</i> , 2006, 62, 12392-12397.	1.9	31
77	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
78	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
79	First Synthesis and X-Ray Crystal Structure of Hexahydrobenzo[b]pyrido[3,4,5-de]-1,6-naphthyridines.. <i>ChemInform</i> , 2006, 37, no.	0.0	0
80	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
81	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
82	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
83	Cleavage of 7- and 8-nitropyrido[1,2-a]benzimidazoles on treatment with dimethyl acetylenedicarboxylate. <i>Mendeleev Communications</i> , 2005, 15, 127-128.	1.6	2
84	First synthesis and x-ray crystal structure of hexahydrobenzo[b]pyrido[3,4,5-de]-1,6-naphthyridines. <i>Journal of Heterocyclic Chemistry</i> , 2005, 42, 1207-1210.	2.6	7
85	New Synthetic Approach to Substituted Isoindolo[2,1-a]quinoline Carboxylic Acids via Intramolecular Diels–Alder Reaction of 4-(Furyl-2)-4-arylamino butenes-1 with Maleic Anhydride.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
86	Cleavage of 7- and 8-Nitropyrido[1,2-a]benzimidazoles on Treatment with Dimethyl Acetylenedicarboxylate.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
87	Thermal and catalytic intramolecular [4+2]-cycloaddition in 2-alkenylfurans. <i>Russian Chemical Reviews</i> , 2005, 74, 639-669.	6.5	44
88	Cleavage of Some Annulated Tetrahydropyridines under the Action of Dimethyl Acetylene Dicarboxylate in Protic Solvents. New Practical Route to Substituted Pyrroles and Indoles.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
89	An efficient approach to isoindolo[2,1-b][2]benzazepines via intramolecular [4+2] cycloaddition of maleic anhydride to 4- <i>l</i> -furyl-4-N-benzylamino but-1-enes. <i>Tetrahedron</i> , 2004, 60, 8455-8463.	1.9	20
90	Wagner–Meerwein Skeletal Rearrangement of 3-Spiroannulated 6,8a-Epoxy- and 6,8a;7,8-Diepoxyisoquinolines (3-Aza-11-oxatricyclo[6.2.1.0 ^{1,6}]undec-9-enes). Isolation and Identification of 5-Aza-2-oxatricyclo[6.2.1.0 ^{3,9}]undec-3-enes. <i>Journal of Organic Chemistry</i> , 2004, 69, 432-438.	3.2	18

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91	Acetylation and Trifluoroacetylation Reactions of Tetrahydropyrrolo[3,2-c]pyridines.. ChemInform, 2003, 34, no.	0.0	0
92	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
93	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. Tetrahedron Letters, 2003, 44, 3641-3643.	1.4	22
94	Synthesis of 3-spiroannulated hexahydro-6,8a-epoxyisoquinolines. Mendeleev Communications, 2002, 12, 32-33.	1.6	4
95	Acetylation and trifluoroacetylation reactions of tetrahydropyrrolo[3,2-c]pyridines. Mendeleev Communications, 2002, 12, 162-163.	1.6	4
96	The first synthesis and X-ray crystal structure of tetrahydropyrrolo[2,3-d]azocines. Tetrahedron Letters, 2002, 43, 6767-6769.	1.4	30
97	TANDEM MICHAEL ADDITION - HOFFMAN ELIMINATION SEQUENCE OF DMAD ON TETRAHYDROPYRROLO[3,2-C]PYRIDINES. NEW ROUTE TO VINYLPIRROLES .. Heterocyclic Communications, 2001, 7, .	1.2	12
98	Cleavage of some annulated tetrahydropyridines under the action of dimethyl acetylene dicarboxylate in protic solvents. New practical route to substituted pyrroles and indoles. Molecular Diversity, 2000, 6, 207-212.	3.9	12
99	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
100	Switchable light vs acid-induced transformations of complex framework compounds at room temperature. Green Chemistry, 0, , .	9.0	2