

Miloš Budavský - nsk^{1/2}

List of Publications by Year in descending order

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67
papers

1,203
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361413

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docs citations

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times ranked

1725
citing authors

#	ARTICLE	IF	CITATIONS
1	Chimerical Pyrene-Based [7]Helicenes as Twisted Polycondensed Aromatics. <i>Chemistry - A European Journal</i> , 2015, 21, 8910-8917.	3.3	77
2	Oxahelicene NHC ligands in the asymmetric synthesis of nonracemic helicenes. <i>Chemical Communications</i> , 2017, 53, 4370-4373.	4.1	64
3	Synthesis of Long Oxahelicenes by Polycyclization in a Flow Reactor. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5839-5843.	13.8	61
4	The complete Consensus V3 loop peptide of the envelope protein gp120 of HIV-1 shows pronounced helical character in solution. <i>FEBS Letters</i> , 1995, 374, 117-121.	2.8	56
5	General Approach to the Synthesis of Persubstituted Hydrophilic and Amphiphilic ² -Cyclodextrin Derivatives. <i>Journal of Organic Chemistry</i> , 2001, 66, 4595-4600.	3.2	54
6	Additional minor ecdysteroid components of <i>Leuzea carthamoides</i> . <i>Steroids</i> , 2008, 73, 502-514.	1.8	49
7	Enzymatic Preparation of 2'-5',3'-5'-Cyclic Dinucleotides, Their Binding Properties to Stimulator of Interferon Genes Adaptor Protein, and Structure/Activity Correlations. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 10676-10690.	6.4	45
8	Conformation of the Dipeptide Cyclo(L-Pro-L-Pro) Monitored by the Nuclear Magnetic Resonance and Raman Optical Activity Spectra. Experimental and ab Initio Computational Study. <i>Journal of Physical Chemistry A</i> , 2002, 106, 7321-7327.	2.5	44
9	Conformational Features of a Synthetic Cyclic Peptide Corresponding to the Complete V3 Loop of the RF HIV-1 Strain in Water and Water/Trifluoroethanol Solutions. <i>FEBS Journal</i> , 1996, 236, 100-108.	0.2	38
10	Regioselective Preparation of N7- and N9-Alkyl Derivatives of N6-[(Dimethylamino)methylene]adenine Bearing an Active Methylene Group and Their Further Derivatization Leading to \pm -Branched Acyclic Nucleoside Analogues. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 2675-2682.	2.4	29
11	Antimicrobial Peptide from the Wild Bee <i>Hylaeus signatus</i> Venom and Its Analogues: Structure-Activity Study and Synergistic Effect with Antibiotics. <i>Journal of Natural Products</i> , 2016, 79, 1073-1083.	3.0	29
12	A New Class of Potent N-Methyl-D-Aspartate Receptor Inhibitors: Sulfated Neuroactive Steroids with Lipophilic D-Ring Modifications. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5950-5966.	6.4	26
13	Conformational model for the consensus V3 loop of the envelope protein gp120 of HIV-1 in a 20% trifluoroethanol/water solution. <i>FEBS Journal</i> , 2001, 268, 2620-2628.	0.2	23
14	The Development of a Versatile Trifunctional Scaffold for Biological Applications. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3689-3701.	2.4	23
15	Synthesis of Long Oxahelicenes by Polycyclization in a Flow Reactor. <i>Angewandte Chemie</i> , 2017, 129, 5933-5937.	2.0	22
16	Physicochemical and biological properties of novel amide-based steroidal inhibitors of NMDA receptors. <i>Steroids</i> , 2017, 117, 52-61.	1.8	22
17	Asymmetric Synthesis of Diastereo- and Enantiopure Bioxahelicene 2,2'-Bipyridines. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5164-5178.	2.4	22
18	Polynuclear Magnetic Resonance of Substituted Thiobenzanilides and Benzanilides: Transmission of Substituent Effects through the Thiocarboxamide Group. <i>Magnetic Resonance in Chemistry</i> , 1997, 35, 543-548.	1.9	21

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19	Turkish Scorzonera Species Extracts Attenuate Cytokine Secretion via Inhibition of NF- κ B Activation, Showing Anti-Inflammatory Effect in Vitro. <i>Molecules</i> , 2016, 21, 43.	3.8	21
20	Mutations at hypothetical binding site 2 in insulin and insulin-like growth factors 1 and 2 result in receptor- and hormone-specific responses. <i>Journal of Biological Chemistry</i> , 2019, 294, 17371-17382.	3.4	21
21	Structural and computational basis for potent inhibition of glutamate carboxypeptidase II by carbamate-based inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 255-264.	3.0	21
22	Synthesis of Per(5-carboxy-5-dehydroxymethyl)- β - and β -2-Cyclodextrins α -Self-Assembly of the Per(2,3-di-O-methyl)-Protected Homologues into Highly Stable Dimers, Driven by Multiple Hydrogen Bonds. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3133-3137.	2.4	20
23	Rational steering of insulin binding specificity by intra-chain chemical crosslinking. <i>Scientific Reports</i> , 2016, 6, 19431.	3.3	20
24	PHOSPHONODIPEPTIDES. SYNTHESIS BY HOBt/DCC METHOD, MASS SPECTRA OF THE PROTECTED AND ¹ H NMR OF THE UNPROTECTED PHOSPHONODIPEPTIDES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1993, 79, 43-53.	1.6	18
25	Three Types of Induced Tryptophan Optical Activity Compared in Model Dipeptides: Theory and Experiment. <i>ChemPhysChem</i> , 2012, 13, 2748-2760.	2.1	18
26	Insulin-like Growth Factor 1 Analogs Clicked in the C Domain: Chemical Synthesis and Biological Activities. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 10105-10117.	6.4	18
27	Synthesis and Evaluation of a Library of Trifunctional Scaffold-Derived Compounds as Modulators of the Insulin Receptor. <i>ACS Combinatorial Science</i> , 2016, 18, 710-722.	3.8	17
28	Optimized syntheses of Fmoc azido amino acids for the preparation of azidopeptides. <i>Journal of Peptide Science</i> , 2017, 23, 202-214.	1.4	17
29	How proteases from <i>Enterococcus faecalis</i> contribute to its resistance to short β -helical antimicrobial peptides. <i>Pathogens and Disease</i> , 2017, 75, .	2.0	17
30	The benchmark of ³¹ P NMR parameters in phosphate: a case study on structurally constrained and flexible phosphate. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31830-31841.	2.8	17
31	Efficient Synthesis of 2'-Deoxynucleoside 3'-C-Phosphonates: Reactivity of Geminal Hydroxyphosphonate Moiety. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1159-1183.	1.1	16
32	Aziridine Ring Cleavage by Nucleophiles in Epimino Derivatives of 1,6-Anhydro- β -D-hexopyranoses. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 2449.	2.4	16
33	¹³ C and ¹ H nuclear magnetic resonance of methyl-substituted acetophenones and methyl benzoates: steric hindrance and inhibited conjugation. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 844-851.	1.9	16
34	TRANSMISSION OF SUBSTITUENT EFFECTS THROUGH THE CARBOXAMIDE AND THIOCARBOXAMIDE GROUPS. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1994, 97, 71-81.	1.6	15
35	Synthesis of Racemic, Diastereopure, and Enantiopure Carba- or Oxa[5], [6], [7]-, and -[19]helicene (Di)thiol Derivatives. <i>Journal of Organic Chemistry</i> , 2020, 85, 248-276.	3.2	15
36	Structures of cyclic dipeptides: an X-ray and computational study of <i>cis</i> - and <i>trans</i> - <i>cyclo</i> (Pip-Phe), <i>cyclo</i> (Pro-Phe) and their <i>N</i> -methyl derivatives. <i>Acta Crystallographica Section B: Structural Science</i> , 2010, 66, 662-677.	1.8	14

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37	A CuAAC-“Hydrazone”-CuAAC Trifunctional Scaffold for the Solid-Phase Synthesis of Trimodal Compounds: Possibilities and Limitations. <i>Molecules</i> , 2015, 20, 19310-19329.	3.8	13
38	Dihydrogen contacts observed by through-space indirect NMR coupling. <i>Chemical Science</i> , 2018, 9, 7437-7446.	7.4	10
39	Chirality-Controlled Self-Assembly of Amphiphilic Dibenzo[6]helicenes into Langmuir-Blodgett Thin Films. <i>Chemistry - A European Journal</i> , 2019, 25, 11494-11502.	3.3	10
40	A Homologous Series of Persubstituted Cyclodextrin Amino Acids: The Quest for Tubular Self-Assembly. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4060-4069.	2.4	9
41	Immunobiological properties of sesquiterpene lactones obtained by chemically transformed structural modifications of trilobolide. <i>FÄ-toterapÄ-Äç</i> , 2015, 107, 90-99.	2.2	8
42	Inhibitory activity of <i>Scorzonera latifolia</i> and its components on enzymes connected with healing process. <i>Journal of Ethnopharmacology</i> , 2019, 245, 112168.	4.1	8
43	Enzymatic Synthesis of 3â€²â€²5â€², 3â€²â€²5â€² Cyclic Dinucleotides, Their Binding Properties to the Stimulator of Interferon Genes Adaptor Protein, and Structure/Activity Correlations. <i>Biochemistry</i> , 2021, 60, 3714-3727.	2.5	8
44	Tri-Orthogonal Scaffolds for the Solid-Phase Synthesis of Peptides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5180-5192.	2.4	7
45	Oxytocin and Its Analogs, Methyl-Substituted in Ortho-, Meta- or Para- Position of Aromatic Ring of Phenylalanine in Position 2: NMR Study and Biological Activities. <i>Protein and Peptide Letters</i> , 2005, 12, 343-347.	0.9	6
46	Mono-N-acyl-2,6-diaminopimelic acid derivatives: Analysis by electromigration and spectroscopic methods and examination of enzyme inhibitory activity. <i>Analytical Biochemistry</i> , 2014, 467, 4-13.	2.4	6
47	A versatile insulin analog with high potency for both insulin and insulin-like growth factor 1 receptors: Structural implications for receptor binding. <i>Journal of Biological Chemistry</i> , 2018, 293, 16818-16829.	3.4	6
48	Synthesis of (Di)thiahelicenes and Dithiophenohelicenes by [2+2+2] Cycloisomerisation of Alkynes. <i>Helvetica Chimica Acta</i> , 0, , .	1.6	6
49	Synthesis of novel deoxynucleoside S-methylphosphonic acids using S-(diisopropylphosphonomethyl)isothiuronium tosylate, a new equivalent of mercaptomethylphosphonate. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2856.	2.8	5
50	Conformationally constrained nucleoside phosphonic acids â€” potent inhibitors of human mitochondrial and cytosolic 5â€²(3â€²)-nucleotidases. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7971-7982.	2.8	5
51	Conformational energies and equilibria of cyclic dinucleotides<i>in vacuo</i> and in solution: computational chemistry<i>vs.</i>NMR experiments. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 7280-7294.	2.8	5
52	The ^{Adâ€”MD} method to calculate ^{NMR} shift including effects due to conformational dynamics: The ³¹P NMR<sup> shift in ^{DNA}. <i>Journal of Computational Chemistry</i> , 2022, 43, 132-143.	3.3	5
53	Cytotoxic Constituents of <i>Pachyrhizus Tuberosus</i> from Peruvian Amazon. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300801.	0.5	4
54	Solid-state structure of cyclic dipeptides: an X-ray and computational study of <i>cis</i> and <i>trans</i>-diketopiperazines of <i>N</i>-methyl-phenylalanine with the thia-pipecolic acids and thia-prolines. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 1179-1193.	1.1	4

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55	Archangelolide: A sesquiterpene lactone with immunobiological potential from <i>Laserpitium archangelica</i> . Beilstein Journal of Organic Chemistry, 2019, 15, 1933-1944.	2.2	4
56	Structural modification of trilobolide for upgrading its immunobiological properties and reducing its cytotoxic action. <i>Fä-toterapÄ-Äç</i> , 2019, 134, 88-95.	2.2	4
57	Spirostanol Saponins from Flowers of <i>Allium Porrum</i> and Related Compounds Indicating Cytotoxic Activity and Affecting Nitric Oxide Production Inhibitory Effect in Peritoneal Macrophages. <i>Molecules</i> , 2021, 26, 6533.	3.8	4
58	Cytotoxic constituents of <i>Pachyrhizus tuberosus</i> from Peruvian amazon. <i>Natural Product Communications</i> , 2013, 8, 1423-6.	0.5	4
59	Multipodal insulin mimetics built on adamantane or proline scaffolds. <i>Bioorganic Chemistry</i> , 2021, 107, 104548.	4.1	3
60	Functional stapled fragments of human preptin of minimised length. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2446-2454.	2.8	3
61	Electron-rich ligands with multiple tetrathiafulvalene arms. <i>Monatshefte FÄ¼r Chemie</i> , 2011, 142, 821-826.	1.8	2
62	Structure-based design of a bisphosphonate 5â€²(3â€²)-deoxyribonucleotidase inhibitor. <i>MedChemComm</i> , 2015, 6, 1635-1638.	3.4	2
63	Structureâ€Based Optimization of Bisphosphonate Nucleoside Inhibitors of Human 5â€²(3â€²)-deoxyribonucleotidases. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5144-5153.	2.4	1
64	Regioselective Preparation of N7- and N9-Alkyl Derivatives of N6-[(Dimethylamino)methylene]adenine Bearing an Active Methylene Group and Their Further Derivatization Leading to Î±-Branched Acyclic Nucleoside Analogues. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 2675-2682.	2.4	1
65	Synthesis of Per(5-carboxy-5-dehydroxymethyl)-Î±- and Î²-Cyclodextrins âˆSelf-Assembly of the Per(2,3-di-O-methyl)-Protected Homologues into Highly Stable Dimers, Driven by Multiple Hydrogen Bonds. , 2000, 2000, 3133.		1
66	Chiralityâ€Controlled Selfâ€Assembly of Amphiphilic Dibenzo[6]helicenes into Langmuirâ€Blodgett Thin Films. <i>Chemistry - A European Journal</i> , 2019, 25, 11393-11393.	3.3	0
67	Acidâ€Stable Ester Linkers for the Solidâ€Phase Synthesis of Immobilized Peptides. <i>ChemPlusChem</i> , 2020, 85, 1297-1306.	2.8	0