

# Miloš Budavský - nsk<sup>1/2</sup>

## List of Publications by Year in descending order

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67  
papers

1,203  
citations

361413

20  
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434195

31  
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69  
docs citations

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times ranked

1725  
citing authors

#	ARTICLE	IF	CITATIONS
1	The $\Delta$ MD method to calculate NMR shift including effects due to conformational dynamics: The $^{31}\text{P}$ NMR shift in DNA. <i>Journal of Computational Chemistry</i> , 2022, 43, 132-143.	3.3	5
2	Functional stapled fragments of human preptin of minimised length. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2446-2454.	2.8	3
3	Multipodal insulin mimetics built on adamantane or proline scaffolds. <i>Bioorganic Chemistry</i> , 2021, 107, 104548.	4.1	3
4	Conformational energies and equilibria of cyclic dinucleotides in vacuo and in solution: computational chemistry vs. NMR experiments. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 7280-7294.	2.8	5
5	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
6	Enzymatic Synthesis of $3'$ - $5'$ , $3'$ - $3'$ 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
7	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
8	Acid-Stable Ester Linkers for the Solid-Phase Synthesis of Immobilized Peptides. <i>ChemPlusChem</i> , 2020, 85, 1297-1306.	2.8	0
9	Chirality-Controlled Self-Assembly of Amphiphilic Dibenzo[6]helicenes into Langmuir-Blodgett Thin Films. <i>Chemistry - A European Journal</i> , 2019, 25, 11393-11393.	3.3	0
10	Enzymatic Preparation of $2'$ - $3'$ , $3'$ - $5'$ 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
11	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
12	Archangelolide: A sesquiterpene lactone with immunobiological potential from <i>Laserpitium archangelica</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1933-1944.	2.2	4
13	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
14	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
15	Structural modification of trilobolide for upgrading its immunobiological properties and reducing its cytotoxic action. <i>FÄ-toterapÄ-c</i> , 2019, 134, 88-95.	2.2	4
16	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
17	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
18	Tri-Orthogonal Scaffolds for the Solid-Phase Synthesis of Peptides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5180-5192.	2.4	7

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19	Structure-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
20	Asymmetric Synthesis of Diastereo- and Enantiopure Bioxahelicene 2,2'-Bipyridines. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5164-5178.	2.4	22
21	Dihydrogen contacts observed by through-space indirect NMR coupling. <i>Chemical Science</i> , 2018, 9, 7437-7446.	7.4	10
22	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
23	Synthesis of Long Oxahelicenes by Polycyclization in a Flow Reactor. <i>Angewandte Chemie</i> , 2017, 129, 5933-5937.	2.0	22
24	Synthesis of Long Oxahelicenes by Polycyclization in a Flow Reactor. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5839-5843.	13.8	61
25	Oxahelicene NHC ligands in the asymmetric synthesis of nonracemic helicenes. <i>Chemical Communications</i> , 2017, 53, 4370-4373.	4.1	64
26	How proteases from <i>Enterococcus faecalis</i> contribute to its resistance to short $\alpha$ -helical antimicrobial peptides. <i>Pathogens and Disease</i> , 2017, 75, .	2.0	17
27	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
28	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
29	The benchmark of <sup>31</sup> 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
30	Physicochemical and biological properties of novel amide-based steroidal inhibitors of NMDA receptors. <i>Steroids</i> , 2017, 117, 52-61.	1.8	22
31	Turkish <i>Scorzonera</i> Species Extracts Attenuate Cytokine Secretion via Inhibition of NF- $\kappa$ B Activation, Showing Anti-Inflammatory Effect in Vitro. <i>Molecules</i> , 2016, 21, 43.	3.8	21
32	Rational steering of insulin binding specificity by intra-chain chemical crosslinking. <i>Scientific Reports</i> , 2016, 6, 19431.	3.3	20
33	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
34	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
35	The Development of a Versatile Trifunctional Scaffold for Biological Applications. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3689-3701.	2.4	23
36	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

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37	Immunobiological properties of sesquiterpene lactones obtained by chemically transformed structural modifications of trilobolide. <i>FÅ-toterapÅ-Åç</i> , 2015, 107, 90-99.	2.2	8
38	Structure-based design of a bisphosphonate 5â€²(3â€²)-deoxyribonucleotidase inhibitor. <i>MedChemComm</i> , 2015, 6, 1635-1638.	3.4	2
39	Chimerical Pyreneâ€Based [7]Helicenes as Twisted Polycondensed Aromatics. <i>Chemistry - A European Journal</i> , 2015, 21, 8910-8917.	3.3	77
40	A New Class of Potent <i>N</i> -Methyl- <i>D</i> -Aspartate Receptor Inhibitors: Sulfated Neuroactive Steroids with Lipophilic D-Ring Modifications. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5950-5966.	6.4	26
41	Mono- <i>N</i> -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
42	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
43	Cytotoxic Constituents of <i>Pachyrhizus Tuberosus</i> from Peruvian Amazon. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300801.	0.5	4
44	Cytotoxic constituents of <i>Pachyrhizus tuberosus</i> from Peruvian amazon. <i>Natural Product Communications</i> , 2013, 8, 1423-6.	0.5	4
45	Three Types of Induced Tryptophan Optical Activity Compared in Model Dipeptides: Theory and Experiment. <i>ChemPhysChem</i> , 2012, 13, 2748-2760.	2.1	18
46	Synthesis of novel deoxynucleoside <i>S</i> -methylphosphonic acids using <i>S</i> -(diisopropylphosphonomethyl)isothiuronium tosylate, a new equivalent of mercaptomethylphosphonate. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2856.	2.8	5
47	Electron-rich ligands with multiple tetrathiafulvalene arms. <i>Monatshefte FÅr Chemie</i> , 2011, 142, 821-826.	1.8	2
48	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
49	Additional minor ecdysteroid components of <i>Leuzea carthamoides</i> . <i>Steroids</i> , 2008, 73, 502-514.	1.8	49
50	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
51	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
52	<sup>13</sup> C and <sup>1</sup> 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
53	Conformation of the Dipeptide <i>Cyclo</i> (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
54	Aziridine Ring Cleavage by Nucleophiles in Epimino Derivatives of 1,6-Anhydro- <sup>2</sup> -D-hexopyranoses. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 2449.	2.4	16

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55	General Approach to the Synthesis of Persubstituted Hydrophilic and Amphiphilic $\beta$ -Cyclodextrin Derivatives. <i>Journal of Organic Chemistry</i> , 2001, 66, 4595-4600.	3.2	54
56	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
57	Synthesis of Per(5-carboxy-5-dehydroxymethyl)- $\alpha$ - and $\beta$ -Cyclodextrins $\rightarrow$ 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
58	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
59	Synthesis of Per(5-carboxy-5-dehydroxymethyl)- $\alpha$ - and $\beta$ -Cyclodextrins $\rightarrow$ Self-Assembly of the Per(2,3-di-O-methyl)-Protected Homologues into Highly Stable Dimers, Driven by Multiple Hydrogen Bonds. , 2000, 2000, 3133.		1
60	Regioselective Preparation of N7- and N9-Alkyl Derivatives of N6-[(Dimethylamino)methylene]adenine Bearing an Active Methylene Group and Their Further Derivatization Leading to $\beta$ -Branched Acyclic Nucleoside Analogues. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 2675-2682.	2.4	29
61	Regioselective Preparation of N7- and N9-Alkyl Derivatives of N6-[(Dimethylamino)methylene]adenine Bearing an Active Methylene Group and Their Further Derivatization Leading to $\beta$ -Branched Acyclic Nucleoside Analogues. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 2675-2682.	2.4	1
62	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
63	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
64	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
65	TRANSMISSION OF SUBSTITUENT EFFECTS THROUGH THE CARBOXAMIDE AND THIOCARBOXAMIDE GROUPS. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 97, 71-81.	1.6	15
66	PHOSPHONODIPEPTIDES. SYNTHESIS BY HOBt/DCC METHOD, MASS SPECTRA OF THE PROTECTED AND <sup>1</sup> H NMR OF THE UNPROTECTED PHOSPHONODIPEPTIDES. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 79, 43-53.	1.6	18
67	Synthesis of (Di)thiahelicenes and Dithiophenohelicenes by [2+2+2] Cycloisomerisation of Alkynes. <i>Helvetica Chimica Acta</i> , 0, , .	1.6	6