

Dmytro S Radchenko

List of Publications by Year in descending order

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39
papers

1,461
citations

394421

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all docs

51
docs citations

51
times ranked

1341
citing authors

#	ARTICLE	IF	CITATIONS
1	An open-source drug discovery platform enables ultra-large virtual screens. <i>Nature</i> , 2020, 580, 663-668.	27.8	345
2	Synthon-based ligand discovery in virtual libraries of over 11 billion compounds. <i>Nature</i> , 2022, 601, 452-459.	27.8	153
3	Structures of the β_2 receptor enable docking for bioactive ligand discovery. <i>Nature</i> , 2021, 600, 759-764.	27.8	113
4	Generating Multibillion Chemical Space of Readily Accessible Screening Compounds. <i>IScience</i> , 2020, 23, 101681.	4.1	90
5	Bicyclic Conformationally Restricted Diamines. <i>Chemical Reviews</i> , 2011, 111, 5506-5568.	47.7	89
6	A multi-pronged approach targeting SARS-CoV-2 proteins using ultra-large virtual screening. <i>IScience</i> , 2021, 24, 102021.	4.1	66
7	Cyclobutane-Derived Diamines: Synthesis and Molecular Structure. <i>Journal of Organic Chemistry</i> , 2010, 75, 5941-5952.	3.2	48
8	A ¹⁹ F-...NMR Label to Substitute Polar Amino Acids in Peptides: A CF ₃ -Substituted Analogue of Serine and Threonine. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1486-1489.	13.8	48
9	4-Fluoro-2,4-methanoproline. <i>Organic Letters</i> , 2009, 11, 5674-5676.	4.6	44
10	Last of the <i>gem</i> -Difluorocycloalkanes: Synthesis and Characterization of 2,2-Difluorocyclobutyl-Substituted Building Blocks. <i>Journal of Organic Chemistry</i> , 2019, 84, 8487-8496.	3.2	30
11	Supreme activity of gramicidin S against resistant, persistent and biofilm cells of staphylococci and enterococci. <i>Scientific Reports</i> , 2019, 9, 17938.	3.3	30
12	Delivering Structural Information on the Polar Face of Membrane-Active Peptides: ¹⁹ F-NMR Labels with a Cationic Side Chain. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14595-14599.	13.8	27
13	Design, Synthesis, and Application of a Trifluoromethylated Phenylalanine Analogue as a Label to Study Peptides by Solid-State ¹⁹ F-...NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6504-6507.	13.8	25
14	Direct nucleophilic difluoromethylation of enolizable ketones with CHF ₂ TMS/HMPA. <i>Tetrahedron</i> , 2016, 72, 1351-1356.	1.9	24
15	Synthesis of conformationally restricted glutamic acid analogs based on the spiro[3.3]heptane scaffold. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2924-2930.	1.8	21
16	Synthesis of 2-azaspiro[3.3]heptane-derived amino acids: ornithine and GABA analogues. <i>Amino Acids</i> , 2010, 39, 515-521.	2.7	21
17	Synthesis and Physicochemical Properties of 3-Fluorocyclobutylamines. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6466-6471.	2.4	20
18	Design and Synthesis of a Monofluoro-Substituted Aromatic Amino Acid as a Conformationally Restricted ¹⁹ F NMR Label for Membrane-Bound Peptides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3584-3591.	2.4	19

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19	Delivering Structural Information on the Polar Face of Membrane-Active Peptides: ¹⁹ F-NMR Labels with a Cationic Side Chain. <i>Angewandte Chemie</i> , 2016, 128, 14815-14819.	2.0	19
20	Conformationally restricted glutamic acid analogues: stereoisomers of 1-aminospiro[3.3]heptane-1,6-dicarboxylic acid. <i>RSC Advances</i> , 2014, 4, 10894.	3.6	18
21	Conformationally Restricted Nonchiral Pípecolic Acid Analogues. <i>Journal of Organic Chemistry</i> , 2009, 74, 5541-5544.	3.2	16
22	An easy synthesis of Î±-trifluoromethyl-amines from aldehydes or ketones using the Ruppert-Prakash reagent. <i>Tetrahedron Letters</i> , 2013, 54, 1897-1898.	1.4	15
23	Does a methionine-to-norleucine substitution in PGLa influence peptide-membrane interactions?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2019-2027.	2.6	15
24	Exploiting the Addition of Trimethyl(trifluoromethyl)silane to Functionalized N-Benzylimines for the Preparation of Two Novel x-Trifluoromethyl x-Amino Acids. <i>Synthesis</i> , 2012, 44, 903-908.	2.3	13
25	Confining the Î± space of basic natural amino acids: cyclobutane-derived Î±1,Î±2-constrained analogues of arginine, lysine and ornithine. <i>Tetrahedron</i> , 2013, 69, 505-511.	1.9	13
26	1-Amino-3,3-difluorocyclobutanecarboxylic acid. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 221-223.	1.7	12
27	Synthesis and Structural Analysis of Angular Monoprotected Diamines Based on Spiro[3.3]heptane Scaffold. <i>Journal of Organic Chemistry</i> , 2015, 80, 3974-3981.	3.2	12
28	Synthesis of 3-azabicyclo[3.2.0]heptane-Derived Building Blocks via [3+2] Cycloaddition. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5596-5604.	2.4	12
29	Synthesis of fluorinated building blocks based on spiro[3.3]heptane scaffold. <i>Tetrahedron</i> , 2016, 72, 1036-1041.	1.9	11
30	Widely Exploited, Yet Unreported: Regiocontrolled Synthesis and the Suzuki-Miyaura Reactions of Bromooxazole Building Blocks. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2884-2898.	2.4	9
31	Design, Synthesis, and Application of a Trifluoromethylated Phenylalanine Analogue as a Label to Study Peptides by Solid-State ¹⁹ F-NMR Spectroscopy. <i>Angewandte Chemie</i> , 2013, 125, 6632-6635.	2.0	8
32	Conformationally Constrained Mono-Fluorinated Arginine as a Cationic Label for Solid-State ¹⁹ F NMR Analysis of Membrane-Bound Peptides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3826-3833.	2.4	8
33	Expedient Synthesis of cis- and trans-3-Aminocyclobutanecarboxylic Acids. <i>Synthetic Communications</i> , 2011, 41, 1644-1649.	2.1	6
34	Synthesis and Physical-Chemical Properties of cis- and trans-1-amino-3-fluoro-3-methylcyclobutanecarboxylic Acids. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4782-4786.	2.4	5
35	A Diversity-Oriented Approach to Large Libraries of Artificial Macrocycles. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2313-2330.	2.4	5
36	One-pot parallel synthesis of 1,3,5-trisubstituted 1,2,4-triazoles. <i>Molecular Diversity</i> , 2022, 26, 993-1004.	3.9	4

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37	A stereochemical journey around spirocyclic glutamic acid analogs. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3183-3200.	2.8	4
38	Trifluoromethyl-Substituted Analogues of 1-Aminocyclobutane-1-carboxylic Acid. <i>Synlett</i> , 2009, 2009, 1827-1829.	1.8	3
39	Multigram Synthesis of Advanced 6,6-Difluorospiro[3.3]heptane-Derived Building Blocks. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 6541-6550.	2.4	3