

Igor V Komarov

List of Publications by Year in descending order

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papers

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126708

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#	ARTICLE	IF	CITATIONS
1	Highly Enantioselective or Not? Chiral Monodentate Monophosphorus Ligands in the Asymmetric Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1197-1200.	7.2	159
2	The Most Twisted Amide: Structure and Reactions. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 785-786.	7.2	150
3	Controlling Biological Activity with Light: Diarylethene-Containing Cyclic Peptidomimetics. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3392-3395.	7.2	140
4	Synthesis of Trifluoromethyl-Substituted Proline Analogues as ¹⁹ F NMR Labels for Peptides in the Polyproline-II Conformation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5765-5767.	7.2	115
5	Trifluoromethyl-substituted cyclopropanes. <i>Tetrahedron</i> , 2011, 67, 803-823.	1.0	108
6	Synthesis of a New Chiral Bisphospholane Ligand for the Rh(I)-Catalyzed Enantioselective Hydrogenation of Isomeric ¹² C-Acylamido Acrylates. <i>Journal of Organic Chemistry</i> , 2003, 68, 1701-1707.	1.7	105
7	Conformationally Rigid Trifluoromethyl-Substituted α -Amino Acid Designed for Peptide Structure Analysis by Solid-State ¹⁹ F NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5659-5661.	7.2	103
8	Synthesis, structure and reactions of the most twisted amide. <i>Perkin Transactions II RSC</i> , 2001, , 522-529.	1.1	95
9	Bicyclic Conformationally Restricted Diamines. <i>Chemical Reviews</i> , 2011, 111, 5506-5568.	23.0	89
10	The Catalytic Asymmetric α -Benzoylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 282-285.	7.2	83
11	Silica with immobilized phosphinic acid-derivative for uranium extraction. <i>Journal of Hazardous Materials</i> , 2016, 314, 326-340.	6.5	79
12	Spontaneous, Millisecond Formation of a Twisted Amide from the Amino Acid, and the Crystal Structure of a Tetrahedral Intermediate. <i>Journal of the American Chemical Society</i> , 1998, 120, 7101-7102.	6.6	75
13	Solid state ¹⁹ F NMR parameters of fluorine-labeled amino acids. Part II: Aliphatic substituents. <i>Journal of Magnetic Resonance</i> , 2008, 191, 16-23.	1.2	68
14	Imidazole-2-yl-Phosphonic Acid Derivative Grafted onto Mesoporous Silica Surface as a Novel Highly Effective Sorbent for Uranium(VI) Ion Extraction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6681-6693.	4.0	68
15	Conformationally rigid cyclic α -amino acids in the design of peptidomimetics, peptide models and biologically active compounds. <i>Russian Chemical Reviews</i> , 2004, 73, 785-810.	2.5	67
16	The Most Reactive Amide As a Transition-State Mimic For <i>cis</i> \rightleftharpoons <i>trans</i> Interconversion. <i>Journal of the American Chemical Society</i> , 2015, 137, 926-930.	6.6	65
17	Direct Photocontrol of Peptidomimetics: An Alternative to Oxygen-Dependent Photodynamic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5493-5496.	7.2	62
18	Synthesis of Trifluoromethyl-Substituted 3-Azabicyclo[1.0]alkanes: Advanced Building Blocks for Drug Discovery. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3592-3598.	1.2	60

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19	Evaluating the amino acid CF ₃ -bicyclopentylglycine as a new label for solid-state ¹⁹ F-NMR structure analysis of membrane-bound peptides. <i>Journal of Peptide Science</i> , 2007, 13, 614-623.	0.8	53
20	Cyclobutane-Derived Diamines: Synthesis and Molecular Structure. <i>Journal of Organic Chemistry</i> , 2010, 75, 5941-5952.	1.7	48
21	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.	7.2	48
22	Structure Analysis and Conformational Transitions of the Cell Penetrating Peptide Transportan 10 in the Membrane-Bound State. <i>PLoS ONE</i> , 2014, 9, e99653.	1.1	46
23	Organic molecules with abnormal geometric parameters. <i>Russian Chemical Reviews</i> , 2001, 70, 991-1016.	2.5	45
24	4-Fluoro-2,4-methanoproline. <i>Organic Letters</i> , 2009, 11, 5674-5676.	2.4	44
25	An optimized protocol for the multigram synthesis of 3-(trifluoromethyl)bicyclo[1.1.1]pent-1-ylglycine (CF ₃ -Bpg). <i>Journal of Fluorine Chemistry</i> , 2010, 131, 217-220.	0.9	44
26	Incorporation of cis- and trans-4,5-Difluoromethanoprolines into Polypeptides. <i>Organic Letters</i> , 2012, 14, 5254-5257.	2.4	44
27	Design, Synthesis, and Application of an Optimized Monofluorinated Aliphatic Label for Peptide Studies by Solid-State ¹⁹ F-NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14788-14792.	7.2	43
28	Structure-Activity Relationships of Photoswitchable Diarylethene-Based ¹² C-Hairpin Peptides as Membranolytic Antimicrobial and Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10793-10813.	2.9	41
29	Efficiently Photocontrollable or Not? Biological Activity of Photoisomerizable Diarylethenes. <i>Chemistry - A European Journal</i> , 2018, 24, 11245-11254.	1.7	37
30	Distortion of the amide bond in amides and lactams. Photoelectron-spectrum and electronic structure of 3,5,7-trimethyl-1-azaadamantan-2-one, the most twisted amide. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 1313-1316.	0.9	35
31	Synthesis of Isomeric 6-Trifluoromethyl-3-azabicyclo[3.1.0]hexanes: Conformationally Restricted Analogues of 4-Trifluoromethylpiperidine. <i>Synthesis</i> , 2013, 45, 225-230.	1.2	34
32	Stereochemical effects on the aggregation and biological properties of the fibril-forming peptide [KIGAKI] ₃ in membranes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8962.	1.3	33
33	Stereoselective synthesis of 2,4-methanoproline homologues. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 252-258.	1.8	31
34	Design and Synthesis of Novel ¹⁹ F-Amino Acid: A Promising ¹⁹ F NMR Label for Peptide Studies. <i>Organic Letters</i> , 2015, 17, 226-229.	2.4	30
35	Direct Photocontrol of Peptidomimetics: An Alternative to Oxygen-Dependent Photodynamic Cancer Therapy. <i>Angewandte Chemie</i> , 2016, 128, 5583-5586.	1.6	30
36	Following Ramachandran: exit vector plots (EVP) as a tool to navigate chemical space covered by 3D bifunctional scaffolds. The case of cycloalkanes. <i>RSC Advances</i> , 2016, 6, 17595-17605.	1.7	30

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37	Incorporation of labile trans-4,5-difluoromethanoproline into a peptide as a stable label for ¹⁹ F NMR structure analysis. <i>Journal of Fluorine Chemistry</i> , 2013, 152, 136-143.	0.9	29
38	PHOSPHORYLATION OF ENAMINEHYDRAZONES AS AN EFFICIENT ROUTE TO DIAZAPHOSPHOLINES AND DIAZAPHOSPHOLES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1997, 123, 125-140.	0.8	28
39	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.	7.2	27
40	3,5,7-Trimethyl-1-azatricyclo[3.3.1.1 ^{3,7}]decan-2-ylidene, an Aminocarbene without π Conjugation. <i>Journal of Organic Chemistry</i> , 2002, 67, 9288-9294.	1.7	26
41	An Entry into Hexahydro-2H-thieno[2,3-c]pyrrole 1,1-Dioxide Derivatives. <i>Journal of Organic Chemistry</i> , 2011, 76, 7010-7016.	1.7	26
42	Photochemical [2 + 2] Cycloaddition of Alkenyl Boronic Derivatives: An Entry into 3-Azabicyclo[3.2.0]heptane Scaffold. <i>Journal of Organic Chemistry</i> , 2020, 85, 5927-5940.	1.7	26
43	On the enantioselective hydrogenation of isomeric $\hat{\nu}^2$ -acylamido $\hat{\nu}^2$ -alkylacrylates with chiral Rh(I) complexes – comparison of phosphine ligands and substrates. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2735-2741.	1.8	25
44	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.	7.2	25
45	Tungsten pentacarbonyl as a potential protecting group for soft lewis base centres in alkylation of multifunctional molecules. <i>Tetrahedron</i> , 1995, 51, 11271-11280.	1.0	24
46	Structure and chemistry of a zwitterionic amine-aldehyde adduct. <i>Chemical Communications</i> , 2002, , 2106-2107.	2.2	24
47	Exploiting morph-DAST mediated ring-expansion of substituted cyclic $\hat{\nu}^2$ -amino alcohols for the preparation of cyclic fluorinated amino acids. Synthesis of 5-fluoromethylproline and 5-fluoropipercolic acid. <i>Tetrahedron</i> , 2011, 67, 3091-3097.	1.0	24
48	Direct nucleophilic difluoromethylation of enolizable ketones with CHF ₂ TMS/HMPA. <i>Tetrahedron</i> , 2016, 72, 1351-1356.	1.0	24
49	A test for the reverse anomeric effect. <i>Chemical Communications</i> , 1998, , 1695-1696.	2.2	23
50	Trifluoromethyl-Substituted $\hat{\nu}^2$ -Amino Acids as Solid-State ¹⁹ F NMR Labels for Structural Studies of Membrane-Bound Peptides. <i>Molecular Medicine and Medicinal</i> , 2012, , 91-138.	0.4	23
51	Diphytanoyl lipids as model systems for studying membrane-active peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1828-1837.	1.4	23
52	Following Ramachandran 2: exit vector plot (EVP) analysis of disubstituted saturated rings. <i>New Journal of Chemistry</i> , 2018, 42, 8355-8365.	1.4	23
53	Light-controllable dithienylethene-modified cyclic peptides: photoswitching the in vivo toxicity in zebrafish embryos. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 39-49.	1.3	22
54	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

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55	Synthesis of 2-azaspiro[3.3]heptane-derived amino acids: ornithine and GABA analogues. <i>Amino Acids</i> , 2010, 39, 515-521.	1.2	21
56	Focused enumeration and assessing the structural diversity of scaffold libraries: conformationally restricted bicyclic secondary diamines. <i>Molecular Diversity</i> , 2012, 16, 477-487.	2.1	21
57	A new hydroxydiphosphine as a ligand for Rh(I)-catalyzed enantioselective hydrogenation. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1615-1620.	1.8	20
58	Chiral Oxo- and Oxy-Functionalized Diphosphane Ligands Derived from Camphor for Rhodium(I)-Catalyzed Enantioselective Hydrogenation. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 138-150.	1.2	20
59	Synthesis and Characterization of β -Trifluoromethyl-Substituted Pyrrolidines. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3086-3093.	1.2	20
60	A Convenient Route to Trifluoromethyl-Substituted Cyclopropane Derivatives. <i>Synthesis</i> , 2008, 2008, 1757-1760.	1.2	19
61	Synthesis of β -fluoro- β -proline. <i>Tetrahedron Letters</i> , 2011, 52, 1300-1302.	0.7	19
62	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.	1.2	19
63	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.	1.6	19
64	Orientation and Location of the Cyclotide Kalata B1 in Lipid Bilayers Revealed by Solid-State NMR. <i>Biophysical Journal</i> , 2017, 112, 630-642.	0.2	19
65	Real-Time Observation of Diarylethene-Based Photoswitches in a Cyclic Peptide Environment. <i>ChemPhotoChem</i> , 2019, 3, 403-410.	1.5	19
66	Conformationally restricted glutamic acid analogues: stereoisomers of 1-aminospiro[3.3]heptane-1,6-dicarboxylic acid. <i>RSC Advances</i> , 2014, 4, 10894.	1.7	18
67	Synthesis of chiral functionalized phosphine ligands based on camphor skeleton. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 435-445.	1.8	17
68	Synthesis of 5-amino-2-aminoalkyl-1,3-oxazol-4-ylphosphonic acid derivatives and their use in the preparation of phosphorylated peptidomimetics. <i>Tetrahedron</i> , 2013, 69, 6251-6261.	1.0	17
69	Diarylethene-Based Photoswitchable Inhibitors of Serine Proteases. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21789-21794.	7.2	17
70	Stereoelectronic interactions between hetero-atoms. <i>Pure and Applied Chemistry</i> , 1999, 71, 385-391.	0.9	16
71	Synthesis of 7-azabicyclo[2.2.1]heptane-1,4-dicarboxylic acid, a rigid non-chiral analogue of 2-aminoadipic acid. <i>Tetrahedron Letters</i> , 2007, 48, 4061-4063.	0.7	16
72	Conformationally Restricted Nonchiral PIPERIC Acid Analogues. <i>Journal of Organic Chemistry</i> , 2009, 74, 5541-5544.	1.7	16

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73	Design, Synthesis, and Application of an Optimized Monofluorinated Aliphatic Label for Peptide Studies by Solid-State ¹⁹ F-NMR Spectroscopy. <i>Angewandte Chemie</i> , 2016, 128, 15008-15012.	1.6	16
74	Peptide drugs for photopharmacology: how much of a safety advantage can be gained by photocontrol?. <i>Future Drug Discovery</i> , 2020, 2, .	0.8	16
75	New chiral monodentate phospholane ligands by highly stereoselective hydrophosphination. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2082-2087.	1.8	15
76	Compatibility of the conformationally rigid CF ₃ -Bpg side chain with the hydrophobic coiled-coil interface. <i>Amino Acids</i> , 2010, 39, 1589-1593.	1.2	15
77	Conformational Plasticity of the Cell-Penetrating Peptide SAP As Revealed by Solid-State ¹⁹ F-NMR and Circular Dichroism Spectroscopies. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6479-6491.	1.2	15
78	Bicyclo[1.1.1]pentane-Derived Building Blocks for Click Chemistry. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6450-6456.	1.2	15
79	Diarylethene moiety as an enthalpy-entropy switch: photoisomerizable stapled peptides for modulating p53/MDM2 interaction. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5359-5369.	1.5	14
80	Phosphorylation of 1,3-Di(N-alkyl)Azoles by Phosphorus(V) Acid Chlorides – a Route to Potential Haptens Derived from Phosphinic Acids. <i>Tetrahedron</i> , 1995, 51, 12417-12424.	1.0	13
81	Direct Phosphorylation of N-Protected Imidazoles and Benzoimidazoles-A Route to 1-H-Imidazol(benzoimidazol)-2-yl Phosphonic and Phosphinic Acids and Their Derivatives. <i>Synthetic Communications</i> , 1998, 28, 2355-2370.	1.1	13
82	Torsional effects on reactivity in glycosyl transfer. <i>Perkin Transactions II RSC</i> , 2002, , 337-341.	1.1	13
83	Exploiting the Addition of Trimethyl(trifluoromethyl)silane to Functionalized N-Benzylimines for the Preparation of Two Novel α -Trifluoromethyl α -Amino Acids. <i>Synthesis</i> , 2012, 44, 903-908.	1.2	13
84	Synthesis of a novel Boc-protected cyclopropane-modified proline analogue. <i>Tetrahedron Letters</i> , 2012, 53, 3847-3849.	0.7	13
85	Confining the β space of basic natural amino acids: cyclobutane-derived β ₁ , β ₂ -constrained analogues of arginine, lysine and ornithine. <i>Tetrahedron</i> , 2013, 69, 505-511.	1.0	13
86	Structural Correlations for Nucleophilic Addition to the C=O Group: The Solvation Angle. <i>Helvetica Chimica Acta</i> , 2003, 86, 1222-1233.	1.0	12
87	A New Target for Highly Stereoselective Katsuki-Sharpless Epoxidation – One-Pot Synthesis of C ₂ -Symmetric 2,2-Bioxiranes. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 758-767.	1.2	12
88	1-Amino-3,3-difluorocyclobutanecarboxylic acid. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 221-223.	0.9	12
89	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.	1.7	12
90	What Goes around Comes around-A Comparative Study of the Influence of Chemical Modifications on the Antimicrobial Properties of Small Cyclic Peptides. <i>Pharmaceuticals</i> , 2013, 6, 1130-1144.	1.7	11

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91	Highly reactive bis-cyclooctyne-modified diarylethene for SPAAC-mediated cross-linking. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8559-8564.	1.5	11
92	Direct Phosphorylation of Benzothiazoles and 4-Methylthiazole. <i>Synthetic Communications</i> , 2000, 30, 243-252.	1.1	10
93	An approach to 2-cyanopyrrolidines bearing a chiral auxiliary. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 290-297.	1.8	10
94	Simple and Efficient Procedure for a Multigram Synthesis of Both trans- and cis-1-Amino-2-(trifluoromethyl)cyclopropane-1-carboxylic Acid. <i>Synthesis</i> , 2010, 2010, 443-446.	1.2	10
95	Multigram Synthesis and C ^α /C ^β Couplings of Functionalized 1,2-Disubstituted Cyclopropyltrifluoroborates. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5428-5439.	2.1	10
96	1-Alkyl-5-((di)alkylamino) Tetrazoles: Building Blocks for Peptide Surrogates. <i>Journal of Organic Chemistry</i> , 2012, 77, 1174-1180.	1.7	9
97	Synthesis of Boc-protected 4,5-methano- β -proline. <i>Tetrahedron Letters</i> , 2014, 55, 3312-3315.	0.7	9
98	Intramolecular functional group differentiation as a strategy for the synthesis of bridged bicyclic β -amino acids. <i>RSC Advances</i> , 2016, 6, 22737-22748.	1.7	9
99	Controlling the Uptake of Diarylethene-Based Cell-Penetrating Peptides into Cells Using Light. <i>ChemPhotoChem</i> , 2019, 3, 384-391.	1.5	9
100	3-Carboxy-3-Aminobicyclo[1.1.1]pentane-Derived Sulfonamides and Sulfonyl Fluorides as Advanced Bifunctional Reagents for Organic Synthesis and Drug Discovery. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2210-2216.	1.2	9
101	A chiral tricyclic proline analogue obtained from camphor. <i>Tetrahedron Letters</i> , 2002, 43, 9411-9412.	0.7	8
102	Highly stereoselective, thermodynamically controlled and reversible formation of a new P-chiral phosphine. <i>Chemical Communications</i> , 2003, , 2240-2241.	2.2	8
103	A novel approach to 2,4-ethanoproline. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1433-1436.	1.8	8
104	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.	1.6	8
105	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.	1.2	8
106	New selective shift reagents for primary aliphatic amines on the base of monophthalocyanine lanthanide complexes. <i>Applied Magnetic Resonance</i> , 1993, 4, 377-382.	0.6	7
107	Sorption discrimination between secondary alcohol enantiomers by chiral alkyl-dicarboxylate MOFs. <i>RSC Advances</i> , 2016, 6, 93707-93714.	1.7	7
108	Flexibility vs rigidity of amphipathic peptide conjugates when interacting with lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2505-2515.	1.4	7

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109	Fast Amide Bond Cleavage Assisted by a Secondary Amino and a Carboxyl Group – A Model for yet Unknown Peptidases?. <i>Molecules</i> , 2019, 24, 572.	1.7	7
110	Corvitin modulates the content of lipids in rat liver bile. <i>Ukrainian Biochemical Journal</i> , 2019, 91, 112-121.	0.1	7
111	Reductive Recyclization of sp ³ -Enriched Functionalized Isoxazolines into β -Hydroxy Lactams. <i>Journal of Organic Chemistry</i> , 2022, 87, 1001-1018.	1.7	7
112	Selective catalytic hydrogenation in the presence of lanthanide tris- β^2 -diketonates as α -protecting reagents. <i>Tetrahedron</i> , 1994, 50, 6921-6926.	1.0	6
113	Synthesis of enantiopure (R,R)- and (S,S)-cis-2,3-propanoprolines. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2868-2871.	1.8	6
114	Expedient Synthesis of cis- and trans-3-Aminocyclobutanecarboxylic Acids. <i>Synthetic Communications</i> , 2011, 41, 1644-1649.	1.1	6
115	An Expedient and Practical Approach to Functionalized 3-Aza-, 3-Oxa-, and 3-Thiabicyclo[3.3.1]nonane Systems. <i>Synthesis</i> , 2015, 47, 367-367.	1.2	6
116	Synthesis of a 2,5-Diazabicyclo[2.2.1]heptane-Derived β^2 -Diamino Acid. <i>Synthesis</i> , 2015, 47, 1123-1130.	1.2	6
117	Robust and Scalable Approach to 1,3-Disubstituted Pyridylcyclobutanes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5937-5949.	1.2	6
118	In Vivo Behavior of the Antibacterial Peptide Cyclo[RRRWWF], Explored Using a 3-Hydroxychromone-Derived Fluorescent Amino Acid. <i>Frontiers in Chemistry</i> , 2021, 9, 688446.	1.8	6
119	Gram-Scale Synthesis of 3,5-Methanonipecotc Acid, a Nonchiral Bicyclic β^2 -Amino Acid. <i>Synlett</i> , 2014, 25, 355-358.	1.0	5
120	Delivery of SiC-based nanoparticles into live cells driven by cell-penetrating peptides SAP and SAP-E. <i>RSC Advances</i> , 2015, 5, 20498-20502.	1.7	5
121	¹⁹ F-Labeled amino acids for NMR structure analysis of membrane-bound peptides. , 2019, , 349-395.		4
122	A stereochemical journey around spirocyclic glutamic acid analogs. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3183-3200.	1.5	4
123	A new approach to the selective alkylation of difunctional compounds. <i>Tetrahedron</i> , 1993, 49, 7593-7598.	1.0	3
124	Trifluoromethyl-Substituted Analogues of 1-Aminocyclobutane-1-carboxylic Acid. <i>Synlett</i> , 2009, 2009, 1827-1829.	1.0	3
125	Photoregulated macrocyclic cell-penetrating peptides (microreview). <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 719-721.	0.6	3
126	Monoprotected Diamines Derived from 1,5-Disubstituted (Aza)spiro[2.3]hexane Scaffolds. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 6570-6579.	1.2	3

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127	Nature of Fast Relaxation Processes and Spectroscopy of a Membrane-Active Peptide Modified with Fluorescent Amino Acid Exhibiting Excited State Intramolecular Proton Transfer and Efficient Stimulated Emission. ACS Omega, 2021, 6, 10119-10128.	1.6	3
128	Diarylethenä€basierte lichtsichtbare Inhibitoren von Serinproteasen. Angewandte Chemie, 2021, 133, 21958-21964.	1.6	3
129	Ring-chain isomerism of 1,3,3-trimethyl-2-formylmethylene-indoline (fischer aldehyde) oxime and associated reactions. Chemistry of Heterocyclic Compounds, 1992, 28, 148-153.	0.6	2
130	Diamagnetic lanthanide tris-Î²-diketonates as â€dissolvingâ€™ reagents. Magnetic Resonance in Chemistry, 1994, 32, 429-432.	1.1	2
131	Synthesis of strained Bi- and tricyclic systems by rearrangements of some bromosubstituted camphor derivatives. Tetrahedron Letters, 1999, 40, 3935-3936.	0.7	2
132	Synthesis of racemic and enantiopure 3,4-methanonipeptotic acid. Tetrahedron: Asymmetry, 2015, 26, 1268-1272.	1.8	2
133	Towards in vivo photomediated delivery of anticancer peptides: Insights from pharmacokinetic and -dynamic data. Journal of Photochemistry and Photobiology B: Biology, 2022, 233, 112479.	1.7	2
134	Atropo-isomerism and abnormal temperature dependence of paramagnetic shifts in 1H NMR spectra of heterocyclic analogs of isoflavones in the presence of lanthanide chelates. Theoretical and Experimental Chemistry, 1990, 25, 580-583.	0.2	1
135	Plancher rearrangement in the reaction of 1,3,3-trimethyl-2-cyanomethyleneindoline with ortho-phenylenediamine. Chemistry of Heterocyclic Compounds, 1992, 28, 430-434.	0.6	1
136	Direct Phosphorylation of Thiazoles and Napthothiazoles by Phosphorus(V) Acid Chlorides. Synthetic Communications, 2004, 34, 615-624.	1.1	1
137	Synthesis of a Conformationally Rigid Analogue of 2-Amino adipic Acid ÄContaining an 8-Azabicyclo[3.2.1]octane Skeleton. Synthesis, 2009, 2009, 3327-3331.	1.2	1
138	Protein-Sorption and the Hemostatic Properties of Composite Materials Based on Polyurethane Foam Filled with Silicon and Aluminum Oxides. Theoretical and Experimental Chemistry, 2020, 56, 352-358.	0.2	1
139	Interaction of lanthanide shift reagents with alkyltosylates of heterocyclic bases and tosylates of cyanine dyes. Chemistry of Heterocyclic Compounds, 1989, 25, 191-195.	0.6	0
140	Investigation of the distribution of the negative charge in anionic cyanine dyes by means of lanthanide shift reagents. Theoretical and Experimental Chemistry, 1991, 27, 179-182.	0.2	0
141	A New Hydroxydiphosphine as a Ligand for Rh(I)-Catalyzed Enantioselective Hydrogenation.. ChemInform, 2003, 34, no.	0.1	0
142	Synthesis of a New Chiral Bisphospholane Ligand for the Rh(I)-Catalyzed Enantioselective Hydrogenation of Isomeric Î²²-Acylamido Acrylates.. ChemInform, 2003, 34, no.	0.1	0
143	Direct Phosphorylation of Thiazoles and Naphthothiazoles by Phosphorus(V) Acid Chlorides.. ChemInform, 2004, 35, no.	0.1	0
144	Synthesis, Structure and Reactions of the Most Twisted Amide.. ChemInform, 2001, 32, 151-151.	0.1	0

#	ARTICLE	IF	CITATIONS
145	Innenrücktitelbild: Controlling Biological Activity with Light: Diarylethene-Containing Cyclic Peptidomimetics (Angew. Chem. 13/2014). Angewandte Chemie, 2014, 126, 3589-3589.	1.6	0
146	Switching the Antimicrobial Activity of Gramicidin S by Light. Biophysical Journal, 2014, 106, 442a.	0.2	0
147	Frontispiece: Efficiently Photocontrollable or Not? Biological Activity of Photoisomerizable Diarylethenes. Chemistry - A European Journal, 2018, 24, .	1.7	0
148	Real-Time Observation of Diarylethene-Based Photoswitches in a Cyclic Peptide Environment. ChemPhotoChem, 2019, 3, 265-265.	1.5	0