

Floris P J T Rutjes

List of Publications by Year in descending order

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327
papers

14,877
citations

20759

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30010

103
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406
docs citations

406
times ranked

13258
citing authors

#	ARTICLE	IF	CITATIONS
1	Readily Accessible Bicyclononynes for Bioorthogonal Labeling and Three-Dimensional Imaging of Living Cells. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9422-9425.	7.2	592
2	Organocatalysed asymmetric Mannich reactions. <i>Chemical Society Reviews</i> , 2008, 37, 29-41.	18.7	536
3	Aza-dibenzocyclooctynes for fast and efficient enzyme PEGylation via copper-free (3+2) cycloaddition. <i>Chemical Communications</i> , 2010, 46, 97-99.	2.2	494
4	Bioconjugation with Strained Alkenes and Alkynes. <i>Accounts of Chemical Research</i> , 2011, 44, 805-815.	7.6	492
5	Polymeric vesicles in biomedical applications. <i>Polymer Chemistry</i> , 2011, 2, 1449.	1.9	470
6	Strain-Promoted 1,3-Dipolar Cycloaddition of Cycloalkynes and Organic Azides. <i>Topics in Current Chemistry</i> , 2016, 374, 16.	3.0	259
7	Polymersome Colloidosomes for Enzyme Catalysis in a Biphasic System. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10746-10750.	7.2	250
8	Azide: A Unique Dipole for Metal-Free Bioorthogonal Ligations. <i>ChemBioChem</i> , 2010, 11, 1168-1184.	1.3	211
9	Preparation of biohybrid amphiphiles via the copper catalysed Huisgen [3 + 2] dipolar cycloaddition reaction. <i>Chemical Communications</i> , 2005, , 4172.	2.2	201
10	Recent Advances in Asymmetric Isocyanide-Based Multicomponent Reactions. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3543-3559.	1.2	188
11	Metal-Free Triazole Formation as a Tool for Bioconjugation. <i>ChemBioChem</i> , 2007, 8, 1504-1508.	1.3	185
12	Expedient Synthesis of Triazole-Linked Glycosyl Amino Acids and Peptides. <i>Organic Letters</i> , 2004, 6, 3123-3126.	2.4	181
13	Enamide-Olefin Ring-Closing Metathesis. <i>Organic Letters</i> , 2001, 3, 2045-2048.	2.4	180
14	Viedma ripening: a reliable crystallisation method to reach single chirality. <i>Chemical Society Reviews</i> , 2015, 44, 6723-6732.	18.7	165
15	In Situ Phosphine Oxide Reduction: A Catalytic Appel Reaction. <i>Chemistry - A European Journal</i> , 2011, 17, 11290-11295.	1.7	154
16	Recent advances in enzymatic and chemical deracemisation of racemic compounds. <i>Chemical Society Reviews</i> , 2013, 42, 9268.	18.7	148
17	Bioorthogonal labelling of biomolecules: new functional handles and ligation methods. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6439.	1.5	142
18	Synthesis of isoxazoles by hypervalent iodine-induced cycloaddition of nitrile oxides to alkynes. <i>Chemical Communications</i> , 2011, 47, 3198.	2.2	141

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19	Toward Nanomolar Detection by NMR Through SABRE Hyperpolarization. <i>Journal of the American Chemical Society</i> , 2014, 136, 2695-2698.	6.6	141
20	Ruthenium-catalyzed ring closing olefin metathesis of non-natural β -amino acids. <i>Tetrahedron Letters</i> , 1997, 38, 677-680.	0.7	140
21	Methylation of Arginine Residues Interferes with Citrullination by Peptidylarginine Deiminases in vitro. <i>Journal of Molecular Biology</i> , 2007, 367, 1118-1129.	2.0	138
22	A Microfluidic High-Resolution NMR Flow Probe. <i>Journal of the American Chemical Society</i> , 2009, 131, 5014-5015.	6.6	135
23	2-Deoxystreptamine: a Central Scaffold of Aminoglycoside Antibiotics. <i>Chemical Reviews</i> , 2005, 105, 775-792.	23.0	132
24	Total Synthesis of Brevetoxin B. 2. Completion. <i>Journal of the American Chemical Society</i> , 1995, 117, 1173-1174.	6.6	121
25	Total Synthesis of Brevetoxin B. 3. Final Strategy and Completion. <i>Journal of the American Chemical Society</i> , 1995, 117, 10252-10263.	6.6	121
26	Mild and efficient deprotection of the amine protecting p-methoxyphenyl (PMP) group. <i>Tetrahedron Letters</i> , 2006, 47, 8109-8113.	0.7	117
27	Organophosphorus-Catalysed Staudinger Reduction. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1417-1421.	2.1	107
28	Total Synthesis of Brevetoxin B. 1. CDEFG Framework. <i>Journal of the American Chemical Society</i> , 1995, 117, 1171-1172.	6.6	99
29	Peptide-Mediated Blood-Brain Barrier Transport of Polymersomes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8339-8342.	7.2	98
30	Total Synthesis of Brevetoxin B. 2. Second Generation Strategies and Construction of the Dioxepane Region [DEFG]. <i>Journal of the American Chemical Society</i> , 1995, 117, 10239-10251.	6.6	97
31	Conjugation of Nucleosides and Oligonucleotides by [3+2] Cycloaddition. <i>Journal of Organic Chemistry</i> , 2008, 73, 287-290.	1.7	96
32	Quantitative Trace Analysis of Complex Mixtures Using SABRE Hyperpolarization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1481-1484.	7.2	95
33	Synthesis and application of a new polystyrene-supported ruthenium carbene catalyst for alkene metathesis. <i>Tetrahedron Letters</i> , 2001, 42, 7103-7105.	0.7	92
34	Formation of optically active chromanes by catalytic asymmetric tandem oxa-Michael addition-Friedel-Crafts alkylation reactions. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1953-1958.	1.5	91
35	Application of Metal-Free Triazole Formation in the Synthesis of Cyclic RGD-DTPA Conjugates. <i>ChemBioChem</i> , 2008, 9, 1805-1815.	1.3	87
36	Ligand effects of NHC-iridium catalysts for signal amplification by reversible exchange (SABRE). <i>Chemical Communications</i> , 2013, 49, 7388.	2.2	87

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37	Flash Chemistry Extensively Optimized: High-Temperature Swern-Moffatt Oxidation in an Automated Microreactor Platform. <i>Chemistry - an Asian Journal</i> , 2010, 5, 799-805.	1.7	83
38	² D-NMR Trace Analysis by Continuous Hyperpolarization at High Magnetic Field. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14527-14530.	7.2	83
39	Characterization of glycosyl dioxolenium ions and their role in glycosylation reactions. <i>Nature Communications</i> , 2020, 11, 2664.	5.8	83
40	Selective Azetidine and Tetrahydropyridine Formation via Pd-Catalyzed Cyclizations of Allene-Substituted Amines and Amino Acids. <i>Organic Letters</i> , 1999, 1, 717-720.	2.4	81
41	Triphenylphosphine-catalysed amide bond formation between carboxylic acids and amines. <i>Chemical Communications</i> , 2014, 50, 5763.	2.2	80
42	Direct Hyperpolarization of Nitrogen-15 in Aqueous Media with Parahydrogen in Reversible Exchange. <i>Journal of the American Chemical Society</i> , 2017, 139, 7761-7767.	6.6	80
43	A New Ir-NHC Catalyst for Signal Amplification by Reversible Exchange in D ₂ O. <i>Chemistry - A European Journal</i> , 2016, 22, 9277-9282.	1.7	78
44	Amidopalladation of Alkoxyallenes Applied in the Synthesis of an Enantiopure 1-Ethylquinolizidine Frog Alkaloid. <i>Journal of the American Chemical Society</i> , 2004, 126, 4100-4101.	6.6	76
45	Novel Approach to 5-Substituted Proline Derivatives Using a Silver-Catalyzed Cyclization as the Key Step. <i>Journal of Organic Chemistry</i> , 2005, 70, 1791-1795.	1.7	76
46	The 3-Hydroxypiperidine Skeleton: Key Element in Natural Product Synthesis. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2831-2844.	1.2	73
47	Organophosphorus Catalysis to Bypass Phosphine Oxide Waste. <i>ChemSusChem</i> , 2013, 6, 1615-1624.	3.6	73
48	On the usefulness of life cycle assessment in early chemical methodology development: the case of organophosphorus-catalyzed Appel and Wittig reactions. <i>Green Chemistry</i> , 2013, 15, 1255.	4.6	73
49	Applications of aliphatic unsaturated non-proteinogenic β -H-amino acids. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 4197-4212.	1.3	71
50	Tubular Polymersomes: A Cross-Linker-Induced Shape Transformation. <i>Journal of the American Chemical Society</i> , 2013, 135, 16308-16311.	6.6	70
51	Cascade reactions in nanoreactors. <i>Current Opinion in Biotechnology</i> , 2014, 28, 10-16.	3.3	69
52	Direct Experimental Characterization of Glycosyl Cations by Infrared Ion Spectroscopy. <i>Journal of the American Chemical Society</i> , 2018, 140, 6034-6038.	6.6	68
53	Emergence of single-molecular chirality from achiral reactants. <i>Nature Communications</i> , 2014, 5, 5543.	5.8	66
54	First Total Synthesis of ent-Gelsedine via a Novel Iodide-Promoted Allene-N-Acyliiminium Ion Cyclization. <i>Journal of Organic Chemistry</i> , 2000, 65, 8317-8325.	1.7	64

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55	Synthesis of Diaminosuberic Acid Derivatives via Ring-Closing Alkyne Metathesis. <i>Journal of Organic Chemistry</i> , 2001, 66, 3584-3589.	1.7	64
56	Palladium-Catalyzed Synthesis of Novel Optically Active Tryptophan Analogues. <i>Organic Letters</i> , 2003, 5, 1717-1720.	2.4	64
57	Size Dependent Biodistribution and SPECT Imaging of ¹¹¹ In-Labeled Polymersomes. <i>Bioconjugate Chemistry</i> , 2012, 23, 958-965.	1.8	64
58	Catalytic Staudinger/Wittig Sequence by in situ Phosphane Oxide Reduction. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7059-7066.	1.2	64
59	PPAR-alpha dependent regulation of vanin-1 mediates hepatic lipid metabolism. <i>Journal of Hepatology</i> , 2014, 61, 366-372.	1.8	64
60	Continuous one-flow multi-step synthesis of active pharmaceutical ingredients. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1186-1197.	1.9	63
61	Synthetic applications of aliphatic unsaturated β -H- α -amino acids. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3435.	1.5	62
62	From (bio)Molecules to Biohybrid Materials with the Click Chemistry Approach. <i>QSAR and Combinatorial Science</i> , 2007, 26, 1200-1210.	1.5	62
63	Total Synthesis of (+)-Epiquinamide. <i>Organic Letters</i> , 2005, 7, 4005-4007.	2.4	61
64	Biological Relevance and Synthesis of C-Substituted Morpholine Derivatives. <i>Synthesis</i> , 2004, 2004, 641-662.	1.2	60
65	Transition Metal-Catalyzed Synthesis of Novel Biologically Relevant Tryptophan Analogues. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 823-834.	2.1	59
66	NMR-Based Chemosensing via ¹³ C-Hyperpolarization: Application to Natural Extracts. <i>Analytical Chemistry</i> , 2016, 88, 3406-3412.	3.2	59
67	Antimalarial pantothenamide metabolites target acetyl-coenzyme A biosynthesis in <i>Plasmodium falciparum</i> . <i>Science Translational Medicine</i> , 2019, 11, .	5.8	59
68	Cyclobutanes in Small-Molecule Drug Candidates. <i>ChemMedChem</i> , 2022, 17, .	1.6	59
69	Continuous flow azide formation: Optimization and scale-up. <i>Chemical Engineering Journal</i> , 2011, 167, 556-559.	6.6	58
70	Continuous Flow Production of Thermally Unstable Intermediates in a Microreactor with Inline IR-Analysis: Controlled Vilsmeier-Haack Formylation of Electron-Rich Arenes. <i>Organic Process Research and Development</i> , 2012, 16, 934-938.	1.3	57
71	Ring-closing metathesis of β -ester-substituted enol ethers: application to the shortest synthesis of KDO. <i>Tetrahedron</i> , 2003, 59, 6751-6758.	1.0	54
72	Pd-Catalyzed Hydroamination of Alkoxyallenes with Azole Heterocycles: Examples and Mechanistic Proposal. <i>Organic Letters</i> , 2017, 19, 4211-4214.	2.4	54

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73	Palladium-Catalyzed Coupling/Cyclization Reactions of Allene-Substituted Lactams. <i>Tetrahedron Letters</i> , 1997, 38, 6275-6278.	0.7	53
74	Palladium-Catalyzed Cyclization Reactions of Acetylene-Containing Amino Acids. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 70.	2.1	53
75	Catalytic N-Sulfonyliminium Ion-Mediated Cyclizations to $\hat{\pm}$ -Vinyl-Substituted Isoquinolines and $\hat{2}$ -Carbolines and Applications in Metathesis. <i>Journal of Organic Chemistry</i> , 2005, 70, 5519-5527.	1.7	53
76	NMR detection in biofluid extracts at sub- $\hat{1}/4$ M concentrations via para-H2 induced hyperpolarization. <i>Analyst</i> , The, 2016, 141, 4001-4005.	1.7	53
77	High-Pressure Entry into Platencin. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6576-6578.	7.2	52
78	Design of Radioiodinated Pharmaceuticals: Structural Features Affecting Metabolic Stability towards in Vivo Deiodination. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3387-3414.	1.2	52
79	The Aza-Achmatowicz Reaction: Facile Entry into Functionalized Piperidinones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4811-4829.	1.2	51
80	Determination of long-range scalar $1H\hat{-}1H$ coupling constants responsible for polarization transfer in SABRE. <i>Journal of Magnetic Resonance</i> , 2016, 265, 59-66.	1.2	51
81	Pd-Catalyzed cyclization reactions of acetylene-containing $\hat{\pm}$ -amino acids. <i>Tetrahedron Letters</i> , 1998, 39, 5081-5084.	0.7	50
82	Total Synthesis of (+)-Gelsedine. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2214-2217.	7.2	50
83	Enzymatic enantioselective C-C bond formation in microreactors. <i>Biotechnology and Bioengineering</i> , 2008, 99, 1028-1033.	1.7	50
84	Synthesis of Carbohydrates in a Continuous Flow Reactor by Immobilized Phosphatase and Aldolase. <i>ChemSusChem</i> , 2012, 5, 2348-2353.	3.6	50
85	Synthesis of non-natural carbohydrates from glycerol and aldehydes in a one-pot four-enzyme cascade reaction. <i>Green Chemistry</i> , 2011, 13, 2895.	4.6	49
86	Fluorinated (hetero)cycles via ring-closing metathesis of fluoride- and trifluoromethyl-functionalized olefins. <i>Tetrahedron Letters</i> , 2004, 45, 959-963.	0.7	48
87	Preparation and Evaluation of Glycosylated Arginine-Glycine-Aspartate (RGD) Derivatives for Integrin Targeting. <i>Bioconjugate Chemistry</i> , 2007, 18, 1847-1854.	1.8	48
88	Fast Scale-Up Using Microreactors: Pyrrole Synthesis from Micro to Production Scale. <i>Organic Process Research and Development</i> , 2011, 15, 783-787.	1.3	48
89	A Novel Transition Metal-Catalyzed Route to Functionalized Dihydropyrans and Tetrahydrooxepines. <i>Synlett</i> , 1998, 1998, 192-194.	1.0	47
90	A new efficient synthesis of GR24 and dimethyl A-ring analogues, germinating agents for seeds of the parasitic weeds <i>Striga</i> and <i>Orobancha</i> spp.. <i>Tetrahedron</i> , 2010, 66, 7198-7203.	1.0	47

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91	Catalytic Appel reactions. <i>Pure and Applied Chemistry</i> , 2012, 85, 817-828.	0.9	47
92	In Vivo Biodistribution of Prion- and GM1-Targeted Polymersomes following Intravenous Administration in Mice. <i>Molecular Pharmaceutics</i> , 2012, 9, 1620-1627.	2.3	46
93	Nanoreactors for green catalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 716-733.	1.3	46
94	Laccase-Mediated Deprotection of para-Methoxyphenyl (PMP)-Protected Amines. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1332-1336.	2.1	45
95	pH responsive polymersome Pickering emulsion for simple and efficient Janus polymersome fabrication. <i>Chemical Communications</i> , 2014, 50, 14550-14553.	2.2	45
96	A Kulinkovich Entry into Tertiary N-Acyliminium Ion Chemistry. <i>Organic Letters</i> , 1999, 1, 1331-1334.	2.4	43
97	Synthesis of 2-substituted chromenes via ring-closing metathesis and stable 1-benzopyrylium ions. <i>Tetrahedron Letters</i> , 2000, 41, 5979-5983.	0.7	43
98	Diastereoselective Synthesis of (2S,5R)-5-Hydroxyproline and 6-Substituted Derivatives. <i>Organic Letters</i> , 2004, 6, 4941-4944.	2.4	43
99	Discovery of Small Molecule Vanin Inhibitors: New Tools To Study Metabolism and Disease. <i>ACS Chemical Biology</i> , 2013, 8, 530-534.	1.6	43
100	Catalyst Recycling via Hydrogen-Bonding-Based Affinity Tags. <i>Organic Letters</i> , 2006, 8, 3163-3166.	2.4	42
101	A Biocatalytic Aza-Achmatowicz Reaction. <i>ACS Catalysis</i> , 2016, 6, 5904-5907.	5.5	42
102	N-Acyliminium ion chemistry and palladium catalysis: a useful combination to obtain bicyclic heterocycles. <i>Tetrahedron</i> , 2001, 57, 5123-5130.	1.0	41
103	Synthesis of 2,6-Bridged Piperazine-3-ones by N-Acyliminium Ion Chemistry. <i>Journal of Organic Chemistry</i> , 2003, 68, 4486-4494.	1.7	40
104	Synthesis of Spirohydantoin and Spiro-2,5-diketopiperazines via Resin-Bound Cyclic $\hat{\pm}, \hat{\pm}$ -Disubstituted $\hat{\pm}$ -Amino Esters. <i>ACS Combinatorial Science</i> , 2006, 8, 85-94.	3.3	40
105	An Improved Ring-Closing Metathesis Approach to Fluorinated and Trifluoromethylated Nitrogen Heterocycles. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2667-2675.	1.2	40
106	Targeting of a CCK2 receptor splice variant with ^{111}In -labelled cholecystokinin-8 (CCK8) and ^{111}In -labelled minigastrin. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 386-392.	3.3	40
107	Parahydrogen induced hyperpolarization provides a tool for NMR metabolomics at nanomolar concentrations. <i>Chemical Communications</i> , 2019, 55, 7235-7238.	2.2	40
108	Synthesis of Enantiopure Functionalized Proline Acids via Amino Acid Derived N-Acyliminium Ions. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1127-1135.	1.2	39

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109	RCM-Mediated Synthesis of Trifluoromethyl-Containing Nitrogen Heterocycles. <i>Journal of Organic Chemistry</i> , 2006, 71, 7527-7532.	1.7	39
110	Ring-Closing Metathesis on Solid Support: Elaboration of a Cyclization/Cleavage Strategy Towards Unsaturated β -Ester-Substituted N-Heterocycles. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2583-2589.	1.2	38
111	A Stereodivergent Approach to Substituted 4-Hydroxypiperidines. <i>Journal of Organic Chemistry</i> , 2002, 67, 7869-7871.	1.7	38
112	An Efficient Synthesis of 1-Naphthylbis(oxazoline) and Exploration of the Scope in Asymmetric Catalysis. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 317-324.	1.2	38
113	Lipase-promoted dynamic kinetic resolution of racemic β -hydroxyalkyl sulfones. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2157-2160.	1.8	38
114	<i>cis</i> -, <i>trans</i> -Acetals as <i>cis</i> -Acyliminium Ion Precursors: Synthesis and Absolute Stereochemistry of Epiquinamide. <i>Organic Letters</i> , 2008, 10, 4001-4003.	2.4	38
115	Enzymatic Glycosylation of Triazole-Linked GlcNAc/Glc-“Peptides: Synthesis, Stability and Anti-HIV Activity of Triazole-Linked HIV gp41 Glycopeptide C34 Analogues. <i>ChemBioChem</i> , 2009, 10, 1234-1242.	1.3	38
116	Sialic Acid Glycoengineering Using an Unnatural Sialic Acid for the Detection of Sialoglycan Biosynthesis Defects and On-Cell Synthesis of Siglec Ligands. <i>ACS Chemical Biology</i> , 2015, 10, 2353-2363.	1.6	38
117	Palladium-Catalysed Cyclisation of Enantiopure Allenic Lactams Prepared from a Pyroglutamic Acid Derived Organozinc Reagent. <i>Synlett</i> , 1998, 1998, 1126-1128.	1.0	37
118	Intramolecular Photochemical Dioxenone-Alkene [2 + 2] Cycloadditions as an Approach to the Bicyclo[2.1.1]hexane Moiety of Solanoeclepin A. <i>Journal of Organic Chemistry</i> , 2001, 66, 233-242.	1.7	37
119	Enantiopure Isoindolinones through Viedma Ripening. <i>Chemistry - A European Journal</i> , 2014, 20, 13527-13530.	1.7	37
120	Genetic and pharmacological inhibition of vanin-1 activity in animal models of type 2 diabetes. <i>Scientific Reports</i> , 2016, 6, 21906.	1.6	37
121	A Ring-Closing Metathesis Pathway to Fluorovinyl-Containing Nitrogen Heterocycles. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1166-1176.	1.2	36
122	Enzymatic synthesis of optically pure cyanohydrins in microchannels using a crude cell lysate. <i>Chemical Engineering Journal</i> , 2008, 135, S89-S92.	6.6	36
123	Enantioselective Chemoenzymatic Synthesis of <i>cis</i> - and <i>trans</i> -2,5-Disubstituted Morpholines. <i>Journal of Organic Chemistry</i> , 2010, 75, 3461-3464.	1.7	36
124	Controlling the Effect of Chiral Impurities on Viedma Ripening. <i>Crystal Growth and Design</i> , 2013, 13, 4776-4780.	1.4	36
125	Synthesis of cucurbitine derivatives: facile straightforward approach to methyl 3-amino-4-aryl-1-methylpyrrolydine-3-carboxylates. <i>Tetrahedron</i> , 2009, 65, 5393-5401.	1.0	34
126	Optimizing the Deprotection of the Amine Protecting <i>p</i> -Methoxyphenyl Group in an Automated Microreactor Platform. <i>Organic Process Research and Development</i> , 2009, 13, 1003-1006.	1.3	34

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127	Aqueous asymmetric cyclopropanation reactions in polymersome membranes. <i>Chemical Communications</i> , 2014, 50, 4040-4043.	2.2	34
128	Rapid and Scalable Access into Strained Scaffolds through Continuous Flow Photochemistry. <i>Organic Process Research and Development</i> , 2016, 20, 409-413.	1.3	34
129	Synthesis of cyclic β -hydrazino acid derivatives via N-acylhydrazone ions. <i>Tetrahedron</i> , 1993, 49, 8605-8628.	1.0	33
130	A ring-closing metathesis-mediated route to novel enantiopure conformationally restricted cyclic amino acids. <i>Chemical Communications</i> , 2000, , 699-700.	2.2	33
131	Ring-closing alkyne metathesis mediated synthesis of cyclic β -turn mimetics. <i>Tetrahedron Letters</i> , 2004, 45, 4379-4382.	0.7	33
132	Linear Deracemization Kinetics during Viedma Ripening: Autocatalysis Overruled by Chiral Additives. <i>Crystal Growth and Design</i> , 2015, 15, 1975-1982.	1.4	33
133	Untargeted metabolomics and infrared ion spectroscopy identify biomarkers for pyridoxine-dependent epilepsy. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	33
134	Glyoxylates as Versatile Building Blocks for the Synthesis of β -Amino Acid and β -Alkoxy Acid Derivatives via Cationic Intermediates. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 2519-2529.	1.2	32
135	An Enantioselective Organocatalytic Approach to Both Enantiomers of Lasubine II. <i>Journal of Organic Chemistry</i> , 2009, 74, 3207-3210.	1.7	32
136	Combination of Pantothenamides with Vanin Inhibitors as a Novel Antibiotic Strategy against Gram-Positive Bacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4794-4800.	1.4	32
137	Enantioselective Synthesis of Hydroxy-Substituted DBN-Type Amidines as Potential Chiral Catalysts. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 105-113.	1.2	31
138	Synthetic pathways to tetrahydrocannabinol (THC): an overview. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3203-3215.	1.5	31
139	An In-Depth Study on Ring-Closing Metathesis of Carbohydrate-Derived β -Alkoxyacrylates: Efficient Syntheses of DAH, KDO, and 2-Deoxy- β -KDO. <i>Journal of Organic Chemistry</i> , 2006, 71, 6444-6450.	1.7	30
140	Total Synthesis of Truncated Brevetoxin B [AFGHIIK]. <i>Journal of the American Chemical Society</i> , 1994, 116, 9371-9372.	6.6	29
141	Efficient catalysts for asymmetric Mannich reactions. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4207.	1.5	29
142	Application of the σ -accepting ability parameter of N-heterocyclic carbene ligands in iridium complexes for signal amplification by reversible exchange (SABRE). <i>Dalton Transactions</i> , 2015, 44, 15387-15390.	1.6	29
143	Photoracemization-Based Viedma Ripening of a BINOL Derivative. <i>Chemistry - A European Journal</i> , 2020, 26, 839-844.	1.7	29
144	Cyclic 1,2-dinitrogen compounds through N,N ϵ -di(methoxycarbonyl)hydrazinium intermediates. <i>Tetrahedron Letters</i> , 1988, 29, 6975-6978.	0.7	28

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145	Enantiopure C ¹ -tetrasubstituted α-amino acids. Chemo-enzymatic synthesis and application to turn-forming peptides. <i>Tetrahedron</i> , 2001, 57, 6567-6577.	1.0	28
146	Palladium catalyzed cyclization reactions of acetylenic lactams. <i>Journal of Organometallic Chemistry</i> , 2001, 624, 244-258.	0.8	28
147	Synthesis of DIBAC analogues with excellent SPAAC rate constants. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5031-5037.	1.5	28
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