Eelco Ruijter

List of Publications by Year
in descending order

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116 papers	8,969 citations	61984 43 h-index	42399 92 g-index

170 all docs	170 docs citations	170 times ranked	6820 citing authors

#	Article	IF	Citations
1	Multicomponent Reaction Design in the Quest for Molecular Complexity and Diversity. Angewandte Chemie - International Edition, 2011, 50, 6234-6246.	13.8	1,133
2	Multicomponent reactions: advanced tools for sustainable organic synthesis. Green Chemistry, 2014, 16, 2958-2975.	9.0	989
3	Recent developments in asymmetric multicomponent reactions. Chemical Society Reviews, 2012, 41, 3969.	38.1	775
4	Recent applications of multicomponent reactions in medicinal chemistry. MedChemComm, 2012, 3, 1189.	3.4	403
5	Palladiumâ€Catalyzed Migratory Insertion of Isocyanides: An Emerging Platform in Crossâ€Coupling Chemistry. Angewandte Chemie - International Edition, 2013, 52, 7084-7097.	13.8	381
6	Recent Advances in Palladiumâ€Catalyzed Cascade Cyclizations. Advanced Synthesis and Catalysis, 2011, 353, 809-841.	4.3	244
7	Isocyanide-based multicomponent reactions towards cyclic constrained peptidomimetics. Beilstein Journal of Organic Chemistry, 2014, 10, 544-598.	2.2	228
8	What can a chemist learn from nature?s macrocycles? ? A brief, conceptual view. Molecular Diversity, 2005, 9, 171-186.	3.9	206
9	1-Azadienes in cycloaddition and multicomponent reactions towards N-heterocycles. Chemical Communications, 2008, , 5474.	4.1	193
10	Recent Advances in Transition-Metal-Catalyzed [2+2+2]-Cyclo(co)trimerization Reactions. Synthesis, 2012, 44, 2639-2672.	2.3	188
11	A highly efficient synthesis of telaprevir by strategic use of biocatalysis and multicomponent reactions. Chemical Communications, 2010, 46, 7918.	4.1	170
12	Sustainable Synthesis of Diverse Privileged Heterocycles by Palladiumâ€Catalyzed Aerobic Oxidative Isocyanide Insertion. Angewandte Chemie - International Edition, 2012, 51, 13058-13061.	13.8	158
13	Multicomponent reactions â€“ opportunities for the pharmaceutical industry. Drug Discovery Today: Technologies, 2013, 10, e15-e20.	4.0	149
14	The Efficient Oneâ€Pot Reaction of up to Eight Components by the Union of Multicomponent Reactions. Angewandte Chemie - International Edition, 2009, 48, 5856-5859.	13.8	128
15	Palladium-Catalyzed Synthesis of 4-Aminophthalazin-1(2H)-ones by Isocyanide Insertion. Organic Letters, 2011, 13, 6496-6499.	4.6	119
16	Highly Stereoselective Synthesis of Substituted Prolyl Peptides Using a Combination of Biocatalytic Desymmetrization and Multicomponent Reactions. Angewandte Chemie - International Edition, 2010, 49, 5289-5292.	13.8	112
17	Total Synthesis of Aspidosperma and Strychnos Alkaloids through Indole Dearomatization. Chemistry - A European Journal, 2019, 25, 8916-8935.	3.3	106
18	Base Metal Catalyzed Isocyanide Insertions. Angewandte Chemie - International Edition, 2020, 59, 540-558.	13.8	99

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19	Sustainable Threeâ€Component Synthesis of Isothioureas from Isocyanides, Thiosulfonates, and Amines. Angewandte Chemie - International Edition, 2014, 53, 12849-12854.	13.8	94
20	Selective Formation of 2â€Imidazolines and 2â€Substituted Oxazoles by Using a Threeâ€Component Reaction. Chemistry - A European Journal, 2008, 14, 4961-4973.	3.3	93
21	Synthesis of 4â€Aminoquinazolines by Palladiumâ€Catalyzed Intramolecular Imidoylation of Nâ€(2â€Bromoaryl)amidines. Chemistry - A European Journal, 2011, 17, 15039-15044.	3.3	92
22	Strategies for Total and Diversity-Oriented Synthesis of Natural Product(-Like) Macrocycles. Topics in Current Chemistry, 0, , 137-184.	4.0	87
23	A Resource-Efficient and Highly Flexible Procedure for a Three-Component Synthesis of 2-Imidazolines. Journal of Organic Chemistry, 2007, 72, 6135-6142.	3.2	87
24	Asymmetric synthesis of synthetic alkaloids by a tandem biocatalysis/Ugi/Pictetâ€“Spengler-type cyclization sequence. Chemical Communications, 2010, 46, 7706.	4.1	86
25	Photocrosslinking and Click Chemistry Enable the Specific Detection of Proteins Interacting with Phospholipids at the Membrane Interface. Chemistry and Biology, 2009, 16, 3-14.	6.0	83
26	Iodide-Catalyzed Synthesis of Secondary Thiocarbamates from Isocyanides and Thiosulfonates. Organic Letters, 2016, 18, 2808-2811.	4.6	81
27	A Microwave-Assisted Diastereoselective Multicomponent Reaction To Access Dibenzo[c,e]azepinones: Synthesis and Biological Evaluation. Journal of Organic Chemistry, 2011, 76, 2828-2839.	3.2	77
28	Macrocycles rapidly produced by multiple multicomponent reactions including bifunctional building blocks (MiBs). Molecular Diversity, 2005, 9, 159-169.	3.9	72
29	Advances in Palladiumâ€Catalyzed Cascade Cyclizations. Advanced Synthesis and Catalysis, 2018, 360, 3821-3871.	4.3	72
30	Development of a Novel Chemical Probe for the Selective Enrichment of Phosphorylated Serine- and Threonine-Containing Peptides. ChemBioChem, 2005, 6, 2271-2280.	2.6	64
31	Efficiency, Diversity, and Complexity with Multicomponent Reactions. Synlett, 2013, 24, 666-685.	1.8	64
32	Iodospirocyclization of Tryptamineâ€Derived Isocyanides: Formal Total Synthesis of Aspidofractinine. Angewandte Chemie - International Edition, 2018, 57, 15232-15236.	13.8	55
33	A Novel Three-Component Reaction toward Dihydrooxazolopyridines. Organic Letters, 2009, 11, 125-128.	4.6	54
34	Synthesis of polycyclic spiroindolines by highly diastereoselective interrupted Ugi cascade reactions of 3-(2-isocyanoethyl)indoles. Chemical Communications, 2016, 52, 12482-12485.	4.1	53
35	A Flexible Six-Component Reaction To Access Constrained Depsipeptides Based on a Dihydropyridinone Core. Journal of Organic Chemistry, 2007, 72, 10239-10242.	3.2	51
36	Synthesis of Pyridopyrimidines by Palladium-Catalyzed Isocyanide Insertion. ACS Catalysis, 2014, 4, 40-43.	11.2	49

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37	Synthesis of Heterocycles by Formal Cycloadditions of Isocyanides. Chemistry - an Asian Journal, 2015, 10, 508-520.	3.3	49
38	Multicomponent Synthesis of 4-Aminophthalazin-1(2H)-ones by Palladium-Catalyzed Isocyanide Insertion. Journal of Organic Chemistry, 2013, 78, 6735-6745.	3.2	47
39	A New Route to Protected Acyloins and Their Enzymatic Resolution with Lipases. European Journal of Organic Chemistry, 2004, 2004, 1063-1074.	2.4	46
40	2-Bromo-6-isocyanopyridine as a Universal Convertible Isocyanide for Multicomponent Chemistry. Organic Letters, 2016, 18, 984-987.	4.6	46
41	A Multicomponent Synthesis of Triazinane Diones. Journal of Organic Chemistry, 2008, 73, 719-722.	3.2	45
42	Microwave-Assisted Multicomponent Synthesis of Heterocycles. Current Organic Chemistry, 2011, 15, 204-236.	1.6	44
43	Recent Advances in Palladium-Catalyzed Isocyanide Insertions. Molecules, 2020, 25, 4906.	3.8	42
44	Biocatalytic access to nonracemic Î³-oxo esters via stereoselective reduction using ene-reductases. Green Chemistry, 2017, 19, 511-518.	9.0	41
45	Synthesis of Conformationally Constrained Peptidomimetics using Multicomponent Reactions. Journal of Organic Chemistry, 2009, 74, 660-668.	3.2	37
46	Palladiumâ€Catalyzed Cascade to Benzoxepins by Using Vinylâ€Substituted Donorâ€“Acceptor Cyclopropanes. Angewandte Chemie - International Edition, 2021, 60, 14410-14414.	13.8	36
47	Palladium-Catalyzed Synthesis of 2-Aminobenzoxazinones by Aerobic Oxidative Coupling of Anthranilic Acids and Isocyanides. Journal of Organic Chemistry, 2013, 78, 10469-10475.	3.2	35
48	Stereoselective synthesis of N-aryl proline amides by biotransformationâ€“Ugi-Smiles sequence. Organic and Biomolecular Chemistry, 2012, 10, 941-944.	2.8	31
49	Trityl Isocyanide as a Mechanistic Probe in Multicomponent Chemistry: Walking the Line between Ugiâ€• and Streckerâ€type Reactions. Chemistry - A European Journal, 2016, 22, 7837-7842.	3.3	31
50	Hexafluoroisopropanol as the Acid Component in the Passerini Reaction: One-Pot Access to Î²-Amino Alcohols. Organic Letters, 2018, 20, 3988-3991.	4.6	30
51	Scope and Limitations of an Efficient Four-Component Reaction for Dihydropyridin-2-ones. Journal of Organic Chemistry, 2010, 75, 1723-1732.	3.2	28
52	Modular Three-Component Synthesis of 4-Aminoquinolines via an Imidoylative Sonogashira/Cyclization Cascade. Journal of Organic Chemistry, 2018, 83, 854-861.	3.2	28
53	Synthesis and resolution of a key building block for epothilones: a comparison of asymmetric synthesis, chemical and enzymatic resolution. Tetrahedron: Asymmetry, 2004, 15, 2861-2869.	1.8	27
54	A new multicomponent reaction for the synthesis of pyridines via cycloaddition of azadienes and ketenimines. Tetrahedron Letters, 2011, 52, 3023-3025.	1.4	27

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55	A Multicomponent Reaction Towards Nâ€(Cyanomethyl)amides. Chemistry - A European Journal, 2009, 15, 6096-6099.	3.3	26
56	Synthesis of Diverse Azolo[c]quinazolines by Palladium(II)â€•Catalyzed Aerobic Oxidative Insertion of Isocyanides. Advanced Synthesis and Catalysis, 2014, 356, 1205-1209.	4.3	26
57	Sustainable Threeâ€Component Synthesis of Isothioureas from Isocyanides, Thiosulfonates, and Amines. Angewandte Chemie, 2014, 126, 13063-13068.	2.0	25
58	Asymmetric Synthesis of Tetracyclic Pyrroloindolines and Constrained Tryptamines by a Switchable Cascade Reaction. Angewandte Chemie - International Edition, 2015, 54, 14133-14136.	13.8	25
59	Highly Substituted Tetrahydropyrones from Hetero-Dielsâ^'Alder Reactions of 2-Alkenals with Stereochemical Induction from Chiral Dienes. Journal of Organic Chemistry, 2005, 70, 2820-2823.	3.2	24
60	Generation of molecular diversity using a complexity-generating MCR-platform towards triazinane diones. Organic and Biomolecular Chemistry, 2008, 6, 3158.	2.8	23
61	YidC Is Involved in the Biogenesis of the Secreted Autotransporter Hemoglobin Protease. Journal of Biological Chemistry, 2010, 285, 39682-39690.	3.4	23
62	Multicomponent reactions in drug discovery and medicinal chemistry. Drug Discovery Today: Technologies, 2018, 29, 1-2.	4.0	23
63	Transition metal-catalysed carbene- and nitrene transfer to carbon monoxide and isocyanides. Chemical Society Reviews, 2022, 51, 5842-5877.	38.1	23
64	Finding Furfural Hydrogenation Catalysts via Predictive Modelling. Advanced Synthesis and Catalysis, 2010, 352, 2201-2210.	4.3	22
65	Sequential Multicomponent Strategy for the Diastereoselective Synthesis of Densely Functionalized Spirooxindole-Fused Thiazolidines. ACS Combinatorial Science, 2018, 20, 98-105.	3.8	22
66	Stereoselective Synthesis of Fused Vinylcyclopropanes by Intramolecular Tsujiâ€"Trost Cascade Cyclization. Organic Letters, 2018, 20, 6611-6615.	4.6	21
67	Base Metal Catalyzed Isocyanide Insertions. Angewandte Chemie, 2020, 132, 548-566.	2.0	20
68	New Scavenger Resin for the Reversible Linking and Monoprotection of Functionalized Aromatic Aldehydes. Organic Letters, 2004, 6, 3921-3924.	4.6	19
69	Selective enrichment of Ser-/Thr-phosphorylated peptides in the presence of Ser-/Thr-glycosylated peptides. Proteomics, 2006, 6, 6394-6399.	2.2	19
70	A facile route to rutheniumâ€"carbene complexes and their application in furfural hydrogenation. Applied Organometallic Chemistry, 2010, 24, 142-146.	3.5	18
71	Multicomponent Reaction Design Strategies: Towards Scaffold and Stereochemical Diversity. Topics in Heterocyclic Chemistry, 2010, , 95-126.	0.2	18
72	Multicomponent Synthesis of 3,6-Dihydro-2H-1,3-thiazine-2-thiones. Molecules, 2012, 17, 1675-1685.	3.8	18

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73	Synthesis of 4-aminoquinolines by aerobic oxidative palladium-catalyzed double Câ€“H activation and isocyanide insertion. Chemistry of Heterocyclic Compounds, 2013, 49, 902-908.	1.2	18
74	Stereoselective Synthesis of Functionalized Bicyclic Scaffolds by Passerini 3â€Centerâ€2â€Component Reactions of Cyclic Ketoacids. European Journal of Organic Chemistry, 2017, 2017, 1262-1271.	2.4	18
75	Catalytic Asymmetric Synthesis of Diketopiperazines by Intramolecular Tsujiâ€“Trost Allylation. Journal of Organic Chemistry, 2019, 84, 12058-12070.	3.2	18
76	Synthesis of Quinazolin-4-ones by Copper-Catalyzed Isocyanide Insertion. Journal of Organic Chemistry, 2020, 85, 7378-7385.	3.2	18
77	Synthesis of Densely Functionalized Pyrimidouracils by Nickel(II)-Catalyzed Isocyanide Insertion. Organic Letters, 2020, 22, 914-919.	4.6	18
78	Concise Synthesis of Highly Substituted Benzo[a]quinolizines by a Multicomponent Reaction/Allylation/Heck Reaction Sequence. European Journal of Organic Chemistry, 2012, 2012, 275-280.	2.4	17
79	Synthesis and Photophysics of a Redâ€Light Absorbing Supramolecular Chromophore System. Chemistry - A European Journal, 2014, 20, 10285-10291.	3.3	17
80	Stereoselective Monoamine Oxidaseâ€Catalyzed Oxidative Azaâ€Friedelâ€“Crafts Reactions of mesoâ€Pyrrolidines in Aqueous Buffer. Advanced Synthesis and Catalysis, 2016, 358, 1555-1560.	4.3	17
81	Synthesis of Polycyclic Alkaloid-Type Compounds by an N-Acyliminium ÂPictet-Spengler/Diels-Alder Sequence. Synlett, 2010, 2010, 2485-2489.	1.8	16
82	Copper(<scp>i</scp>) catalyzed oxidative hydrolysis of Ugi 3-component and Ugi-azide reaction products towards 2Â° Î±-ketoamides and Î±-ketotetrazoles. Organic and Biomolecular Chemistry, 2017, 15, 6132-6135.	2.8	16
83	Synthesis of Carbazoles by a Diverted Bischlerâ€“Napieralski Cascade Reaction. Organic Letters, 2021, 23, 3100-3104.	4.6	16
84	Stereoselective synthesis of fluorinated aminoglycosyl phosphonates. Organic and Biomolecular Chemistry, 2015, 13, 1317-1321.	2.8	15
85	BrÃ¸nsted Acid-Catalyzed Cyanotritylation of Aldehydes by Trityl Isocyanide. Organic Letters, 2016, 18, 3562-3565.	4.6	15
86	Ugi-Type Reactions of Spirocyclic Indolenines as a Platform for Compound Library Generation. Synlett, 2017, 28, 376-380.	1.8	15
87	Iodospirocyclization of Tryptamineâ€Derived Isocyanides: Formal Total Synthesis of Aspidofractinine. Angewandte Chemie, 2018, 130, 15452-15456.	2.0	15
88	Synthesis of Secondary Amides from Thiocarbamates. Organic Letters, 2018, 20, 4235-4239.	4.6	15
89	Zinc(<scp>ii</scp>)-mediated diastereoselective Passerini reactions of biocatalytically desymmetrised renewable inputs. Organic Chemistry Frontiers, 2020, 7, 380-398.	4.5	14
90	Diastereoselective Synthesis of Î²-Lactams by Ligand-Controlled Stereodivergent Intramolecular Tsujiâ€“Trost Allylation. Journal of Organic Chemistry, 2020, 85, 9566-9584.	3.2	13

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91	Î±-Acidic Isocyanides in Multicomponent Chemistry. Topics in Heterocyclic Chemistry, 2010, , 129-159.	0.2	12
92	Ugi Four-Center Three-Component Reaction as a Direct Approach to Racetams. Synthesis, 2017, 49, 1664-1674.	2.3	12
93	Efficient Diastereoselective Threeâ€Component Synthesis of Pipecolic Amides. European Journal of Organic Chemistry, 2019, 2019, 5313-5325.	2.4	11
94	Oneâ€Pot Synthesis of Nâ€Substituted Î²â€Amino Alcohols from Aldehydes and Isocyanides. Chemistry - A European Journal, 2015, 21, 7808-7813.	3.3	10
95	Synthesis of Carbazoles and Dihydrocarbazoles by a Divergent Cascade Reaction of Donorâ€“Acceptor Cyclopropanes. Organic Letters, 2021, 23, 7592-7596.	4.6	10
96	Synthesis, characterization and biological activity of fluorescently labeled bedaquiline analogues. RSC Advances, 2016, 6, 108708-108716.	3.6	8
97	Diastereoselective One-Pot Synthesis of Tetrafunctionalized 2-Imidazolines. Journal of Organic Chemistry, 2014, 79, 5219-5226.	3.2	7
98	Stereoselective Synthesis of Î²â€Sulfinylamino Isocyanides and 2â€Imidazolines. European Journal of Organic Chemistry, 2014, 2014, 3762-3766.	2.4	6
99	Enantioselective Bioâ€Hydrolysis of Geranylâ€Derived racâ€Epoxides: A Chemoenzymatic Route to transâ€Furanoid Linalool Oxide. Advanced Synthesis and Catalysis, 2018, 361, 813.	4.3	6
100	Palladiumâ€Catalyzed Cascade to Benzoxepins by Using Vinylâ€Substituted Donorâ€“Acceptor Cyclopropanes. Angewandte Chemie, 2021, 133, 14531-14535.	2.0	6
101	Synthesis of Diverse Heterocyclic Scaffolds by (3+3) and (3+4) Cycloannulations of Donorâ€Acceptor Vinylcyclopropanes. Advanced Synthesis and Catalysis, 2022, 364, 53-57.	4.3	6
102	Chemoselective Addition of Isocyanides toN-tert-Butanesulfinimines. Organic Letters, 2014, 16, 5116-5119.	4.6	5
103	Synthesis of 3â€²â€Deoxyribolactones using a Hydrolysisâ€Induced Lactonization Cascade Reaction of Epoxy Cyanohydrins. European Journal of Organic Chemistry, 2008, 2008, 1336-1339.	2.4	4
104	Mild and Practical Indole C2 Allylation by Allylboration of in situ Generated 3-Chloroindolenines. European Journal of Organic Chemistry, 2019, 2019, 5156-5160.	2.4	4
105	Synthesis of Imidazolidine-2-(thi)ones via C2-Selective Oxidation and Thionation of 2-Imidazolinium Halides. Synlett, 2012, 2012, 80-84.	1.8	3
106	Stereoselective Chemoenzymatic Cascade Synthesis of the bisâ€THF Core of Acetogenins. European Journal of Organic Chemistry, 2019, 2019, 1092-1101.	2.4	3
107	Metal-free one-pot Î±-carboxylation of primary alcohols. Organic and Biomolecular Chemistry, 2016, 14, 9716-9719.	2.8	2
108	Integrative Theory/Experimentâ€Driven Exploration of a Multicomponent Reaction towards Imidazolineâ€2â€(thi)ones. European Journal of Organic Chemistry, 2018, 2018, 104-112.	2.4	2

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109	Synthesis of tetracyclic spiroindolines by an interrupted Bischlerâ€“Napieralski reaction: total synthesis of akuammicine. Organic and Biomolecular Chemistry, 2021, 19, 9641-9644.	2.8	2
110	What Can a Chemist Learn from Natureâ€²s Macrocycles? A Brief, Conceptual View. ChemInform, 2005, 36, no.	0.0	1
111	Strategies for Total and Diversity-Oriented Synthesis of Natural Product(-like) Macrocycles. ChemInform, 2005, 36, no.	0.0	1
112		3.8	1
113	Frontispiece: Total Synthesis of Aspidosperma and Strychnos Alkaloids through Indole Dearomatization. Chemistry - A European Journal, 2019, 25, .	3.3	1
114	Highly Substituted Tetrahydropyrones from Hetero-Dielsâ€”Alder Reactions of 2-Alkenals with Stereochemical Induction from Chiral Dienes.. ChemInform, 2005, 36, no.	0.0	0
115	Macrocycles Rapidly Produced by Multiple Multicomponent Reactions Including Bifunctional Building Blocks (MiBs). ChemInform, 2005, 36, no.	0.0	0
116	Synthesis and Photophysics of a Red-Light Absorbing Supramolecular Chromophore System. Chemistry - A European Journal, 2014, 20, 10185-10185.	3.3	0