Marie-Christine Scherrmann

List of Publications by Year
in descending order

39 papers	1,185 citations	361413 20 h-index	377865 34 g-index
46 all docs	46 docs citations	46 times ranked	1000 citing authors

#	Article	IF	Citations
1	Synthesis and Properties ofOâ€Glycosyl Calix[4]Arenes (Calixsugars). Chemistry - A European Journal, 1997, 3, 1774-1782.	3.3	146
2	Thiazole-Based Synthesis of Formyl C-Glycosides. Journal of Organic Chemistry, 1994, 59, 6404-6412.	3.2	126
3	Thiazolylketol acetates as glycosyl donors. Stereoselective synthesis of Î±-linked ketodisaccharides. Tetrahedron, 1996, 52, 3057-3074.	1.9	93
4	Sugar Calixarenes: Preparation of Calix[4]arenes Substituted at the Lower and Upper Rims withO-Glycosyl Groups. Angewandte Chemie International Edition in English, 1995, 33, 2479-2481.	4.4	85
5	A General Synthetic Route to Anomeric .alpha.-Azido and .alpha.-Amino Acids and Formal Synthesis of (+)-Hidantocidin. Journal of Organic Chemistry, 1994, 59, 7517-7520.	3.2	56
6	Stereoselective Addition of 2-Furyllithium and 2-Thiazolyllithium to Sugar Nitrones. Synthesis of Carbon-Linked Glycoglycines. Journal of Organic Chemistry, 1997, 62, 5484-5496.	3.2	55
7	Straightforward Synthesis of Various 2,3â€Diarylimidazo[1,2â€a]pyridines in PEG₄₀₀ Medium through Oneâ€Pot Condensation and Câ€“H Arylation. European Journal of Organic Chemistry, 2014, 2014, 4643-4650.	2.4	47
8	Total synthesis of high loading capacity PEG-based supports: evaluation and improvement of the process by use of ultrafiltration and PEG as a solvent. Green Chemistry, 2013, 15, 1016.	9.0	41
9	One-step synthesis of Î²-C-glycolipid derivatives from unprotected sugars. Carbohydrate Research, 2004, 339, 741-745.	2.3	39
10	Eucalyptol: a new solvent for the synthesis of heterocycles containing oxygen, sulfur and nitrogen. Green Chemistry, 2019, 21, 1531-1539.	9.0	39
11	Thiazole-based synthesis of C-glycosyl aldehydes. Tetrahedron Letters, 1993, 34, 7319-7322.	1.4	37
12	Chemical Synthesis of Linear and Cyclic Unnatural Oligosaccharides by Iterative Glycosidation of Ketoses. Chemistry - A European Journal, 2001, 7, 1371-1382.	3.3	35
13	Investigation of the aqueous transmetalation of Ï€-allylpalladium with indium salt: the use of the Pd(OAc)2â€“TPPTS catalyst. Organic and Biomolecular Chemistry, 2005, 3, 1375-1380.	2.8	32
14	Camphor-derived sulfonylhydrazines: catalysts for Dielsâ€“Alder cycloadditions. Tetrahedron Letters, 2008, 49, 5576-5579.	1.4	32
15	Knoevenagel Reaction of Unprotected Sugars. Topics in Current Chemistry, 2010, 295, 1-18.	4.0	32
16	Furan-based synthesis of C-glycosyl carboxylates. Tetrahedron Letters, 1993, 34, 7323-7326.	1.4	29
17	Determination of the global material economy (GME) of synthesis sequencesâ€”a green chemistry metric to evaluate the greenness of products. New Journal of Chemistry, 2012, 36, 1091.	2.8	29
18	Investigation of the copper(<scp>i</scp>) catalysed azideâ€“alkyne cycloaddition reactions (CuAAC) in molten PEG₂₀₀₀. New Journal of Chemistry, 2015, 39, 1986-1995.	2.8	24

#	Article	IF	Citations
19	Zuckercalixarene: Synthese von Calix[4]arenen mit Oâ€Glycosylsubstituenten am oberen oder unteren Rand. Angewandte Chemie, 1994, 106, 2533-2535.	2.0	23
20	Soluble Polymerâ€Supported Flow Synthesis: A Green Process for the Preparation of Heterocycles. European Journal of Organic Chemistry, 2012, 2012, 2188-2200.	2.4	21
21	Synthetic Access to All Four Stereoisomers of Oxetin. Journal of Organic Chemistry, 2016, 81, 9983-9991.	3.2	17
22	Some chemical transformations of carbohydrates in aqueous medium. Comptes Rendus Chimie, 2011, 14, 688-699.	0.5	16
23	A Greener and Efficient Method for Nucleophilic Aromatic Substitution of Nitrogen-Containing Fused Heterocycles. Molecules, 2018, 23, 684.	3.8	16
24	New access to C-disaccharide analogs of Î±, Î±-trehalose using an aqueous hetero Diels-Alder reaction. Carbohydrate Research, 1997, 297, 169-174.	2.3	14
25	Total synthesis of triazole-linked C-glycosyl flavonoids in alternative solvents and environmental assessment in terms of reaction, workup and purification. Green Chemistry, 2016, 18, 5558-5568.	9.0	13
26	Diastereoselective addition of sugar radicals to camphorsultam glyoxilic oxime ether: a route toward C-glycosylthreonine and allothreonine. Organic and Biomolecular Chemistry, 2009, 7, 3918.	2.8	12
27	Binding properties and esterase activity of monoclonal antibodies elicited against sucrose 6-heptylphosphonate. Carbohydrate Research, 2001, 334, 295-307.	2.3	10
28	Synthesis and Applications of Carbohydrate-Based Organocatalysts. Molecules, 2021, 26, 7291.	3.8	10
29	One-Step Synthesis of Î²-C-Glycosidic Ketones in Aqueous Media: The Case of 2-Acetamido Sugars. Synthesis, 2005, 2005, 814-818.	2.3	9
30	Synthesis of C-disaccharides via a hetero-Dielsâ€“Alder reaction and further stereocontrolled transformations. Carbohydrate Research, 2008, 343, 1754-1765.	2.3	7
31	Formation of Tetrahydrothiophenes via a Thia-PaternÃ²â€“BÃ¼chi-Initiated Domino Photochemical Reaction. Organic Letters, 2020, 22, 8522-8527.	4.6	7
32	Synthesis of Câ€3 Branched Allyl and Pentadienyl Glucosamines via Radical Coupling of Sugarâ€Thionocarbonates. Journal of Carbohydrate Chemistry, 2004, 23, 83-93.	1.1	6
33	The weight of flash chromatography: A tool to predict its mass intensity from thin-layer chromatography. Beilstein Journal of Organic Chemistry, 2016, 12, 2351-2357.	2.2	6
34	Synthesis and antiproliferative activity of a natural like glycoconjugate polycyclic compound. European Journal of Medicinal Chemistry, 2016, 122, 247-256.	5.5	5
35	Cooperative 5- and 10-membered ring interactions in the 10-helix folding of oxetin homo-oligomers. Chemical Communications, 2018, 54, 1968-1971.	4.1	4
36	SENSASS NMR: New NMR techniques for enhancing the sensitivity and the spectral resolution of polymer supported chemicals. Journal of Magnetic Resonance, 2013, 237, 63-72.	2.1	3

#	Article	IF	Citations
37	Chapter 9. Electrochemical glycosylation. Carbohydrate Chemistry, 2014, , 160-177.	0.3	2
38	Synthesis and structure elucidation of new spirocephams. Tetrahedron Letters, 1990, 31, 7141-7144.	1.4	1
39	Synthetic Reactions in Aqueous Media. ChemInform, 2004, 35, no.	0.0	0