Boris Vauzeilles

List of Publications by Year
in descending order

35 papers	902 citations	471509 17 h-index	477307 29 g-index
39 all docs	39 docs citations	39 times ranked	1492 citing authors

#	Article	IF	Citations
1	Clickâ€Mediated Labeling of Bacterial Membranes through Metabolic Modification of the Lipopolysaccharide Inner Core. Angewandte Chemie - International Edition, 2012, 51, 3143-3146.	13.8	132
2	Lipo-chitooligosaccharidic Symbiotic Signals Are Recognized by LysM Receptor-Like Kinase LYR3 in the Legume Medicago truncatula. ACS Chemical Biology, 2013, 8, 1900-1906.	3.4	83
3	Click Chemistry on a Ruthenium Polypyridine Complex. An Efficient and Versatile Synthetic Route for the Synthesis of Photoactive Modular Assemblies. Inorganic Chemistry, 2012, 51, 5985-5987.	4.0	50
4	Plant cell wall imaging by metabolic clickâ€mediated labelling of rhamnogalacturonan II using azido 3â€deoxyâ€<scp>d</scp>â€mannoâ€octâ€2â€ulosonic acid. Plant Journal, 2016, 85, 437-447.	5.7	48
5	Phenylenediamine catalysis of â€œclick glycosylationsâ€in water: practical and direct access to unprotected neoglycoconjugates. Organic and Biomolecular Chemistry, 2008, 6, 1898.	2.8	45
6	Carbon dioxide reduction via light activation of a rutheniumâ€“Ni(cyclam) complex. Physical Chemistry Chemical Physics, 2014, 16, 12067.	2.8	45
7	Selection of the biological activity of DNJ neoglycoconjugates through click length variation of the side chain. Organic and Biomolecular Chemistry, 2011, 9, 5373.	2.8	42
8	Efficient electron transfer through a triazole link in ruthenium(ii) polypyridine type complexes. Chemical Communications, 2011, 47, 11011.	4.1	40
9	A one-step Î²-selective glycosylation of N -acetyl glucosamine and recombinant chitooligosaccharides. Tetrahedron Letters, 2001, 42, 7567-7570.	1.4	33
10	Rapid and Specific Enrichment of Culturable Gram Negative Bacteria Using Non-Lethal Copper-Free Click Chemistry Coupled with Magnetic Beads Separation. PLoS ONE, 2015, 10, e0127700.	2.5	29
11	Selective radical synthesis of Î²- C -disaccharides. Tetrahedron Letters, 2001, 42, 7269-7272.	1.4	27
12	Direct Composition Analysis of a Dynamic Library of Imines in an Aqueous Medium. European Journal of Organic Chemistry, 2006, 2006, 5441-5444.	2.4	26
13	A highly selective route to Î²-C-glycosides via nonselective samarium iodide induced coupling reactions. Organic and Biomolecular Chemistry, 2003, 1, 1097-1098.	2.8	25
14	Design and synthesis by click triazole formation of paclitaxel mimics with simplified core and side-chain structures. Tetrahedron Letters, 2011, 52, 1462-1465.	1.4	21
15	One-pot synthesis of<scp>d</scp>-glucosamine and chitobiosyl building blocks catalyzed by triflic acid on molecular sieves. Chemical Communications, 2014, 50, 1067-1069.	4.1	21
16	Conformational Selection in Glycomimetics: Human Galectinâ€1 Only Recognizes synâ€Î¨â€Type Conformations of Î²â€1,3â€Linked Lactose and Its Câ€Glycosyl Derivative. Chemistry - A European Journal, 2013, 19, 14581-14590.	3.3	19
17	Glycosylation: The Direct Synthesis of 2â€Acetamidoâ€2â€Deoxyâ€Sugar Glycosides. European Journal of Organic Chemistry, 2018, 2018, 5795-5814.	2.4	19
18	Conformational behaviour of glycomimetics: NMR and molecular modelling studies of the C-glycoside analogue of the disaccharide methyl Î²-d-galactopyranosyl-(1â†'3)-Î²-d-glucopyranoside. Carbohydrate Research, 2007, 342, 1910-1917.	2.3	18

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19	Inhibition of fucosylation of cell wall components by 2â€fluoro 2â€deoxyâ€l â€fucose induces defects in root cell elongation. Plant Journal, 2015, 84, 1137-1151.	5.7	17
20	Tracking Charge Accumulation in a Functional Triazoleâ€Linked Rutheniumâ€Rhenium Dyad Towards Photocatalytic Carbon Dioxide Reduction. ChemPhotoChem, 2021, 5, 654-664.	3.0	17
21	Lipo-Chitin Oligosaccharides, Plant Symbiosis Signalling Molecules That Modulate Mammalian Angiogenesis In Vitro. PLoS ONE, 2014, 9, e112635.	2.5	15
22	Cyclodextrins selectively modified on both rims using an O-3-debenzylative post-functionalisation, a consequence of the Sorrento meeting. Carbohydrate Research, 2012, 356, 278-281.	2.3	14
23	Evaluation of borinic acids as new, fast hydrogen peroxideâ€“responsive triggers. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
24	Light-induced tryptophan radical generation in a click modular assembly of a sensitiser-tryptophan residue. Photochemical and Photobiological Sciences, 2013, 12, 1074-1078.	2.9	13
25	Looking forward: a glance into the future of organic chemistry. New Journal of Chemistry, 2006, 30, 823-831.	2.8	11
26	Synthesis of lipo-chitooligosaccharide analogues and their interaction with LYR3, a high affinity binding protein for Nod factors and Myc-LCOs. Organic and Biomolecular Chemistry, 2017, 15, 7802-7812.	2.8	11
27	Lipid Analogs of the Nodulation Factors Using the Ugi/Passerini Multicomponent Reactions: Preliminary Studies on the Carbohydrate Monomer. Heterocycles, 2007, 73, 891.	0.7	10
28	NMR and molecular modeling reveal key structural features of synthetic nodulation factors. Glycobiology, 2011, 21, 824-833.	2.5	10
29	Click Chemistry as a Convenient Tool for the Incorporation of a Ruthenium Chromophore and a Nickelâ€“Salen Monomer into a Visibleâ€Lightâ€Active Assembly. European Journal of Inorganic Chemistry, 2013, 2013, 494-499.	2.0	10
30	Synthesis of the Fungal Lipoâ€Chitooligosaccharide Mycâ€IV (C16:0, S), Symbiotic Signal of Arbuscular Mycorrhiza. European Journal of Organic Chemistry, 2013, 2013, 7382-7390.	2.4	9
31	First access to a mycolic acid-based bioorthogonal reporter for the study of the mycomembrane and mycoloyltransferases in Corynebacteria. Chemical Communications, 2019, 55, 13074-13077.	4.1	7
32	The Chemical Biologyâ€Medicinal Chemistry Continuum: EFMCâ€²s Vision. ChemBioChem, 2021, 22, 2823-2825.	2.6	7
33	Chapter 7. Recent results in synthetic glycochemistry with iron salts at Orsay-Gif. Carbohydrate Chemistry, 2014, , 118-139.	0.3	6
34	Synthesis of chemical tools to label the mycomembrane of corynebacteria using modified iron(<scp>iii</scp>) chloride-mediated protection of trehalose. Organic and Biomolecular Chemistry, 2022, 20, 1974-1981.	2.8	3
35	Metabolic Labeling of Bacterial Glycans. , 2021, , 303-328.		2