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	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
2	Metabolic Labeling of Bacterial Glycans. , 2021, , 303-328.		2
3	Tracking Charge Accumulation in a Functional Triazoleâ€Linked Ruthenium–Rhenium Dyad Towards Photocatalytic Carbon Dioxide Reduction. ChemPhotoChem, 2021, 5, 654-664.	3.0	17
4	The Chemical Biology–Medicinal Chemistry Continuum: EFMC’s Vision. ChemBioChem, 2021, 22, 2823-2825.	2.6	7
5	Evaluation of borinic acids as new, fast hydrogen peroxide–responsive triggers. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
6	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
7	Glycosylation: The Direct Synthesis of 2â€Acetamidoâ€2â€Deoxyâ€Sugar Glycosides. European Journal of Organic Chemistry, 2018, 2018, 5795-5814.	2.4	19
8	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
9	Plant cell wall imaging by metabolic click–mediated labelling of rhamnogalacturonan II using azido 3–deoxy–<scp>d</scp>–manno–oct–2–ulosonic acid. Plant Journal, 2016, 85, 437-447.	5.7	48
10	Inhibition of fucosylation of cell wall components by 2–fluoro 2–deoxy– –fucose induces defects in root cell elongation. Plant Journal, 2015, 84, 1137-1151.	5.7	17
11	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
12	Lipo-Chitin Oligosaccharides, Plant Symbiosis Signalling Molecules That Modulate Mammalian Angiogenesis In Vitro. PLoS ONE, 2014, 9, e112635.	2.5	15
13	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
14	Carbon dioxide reduction via light activation of a ruthenium–Ni(cyclam) complex. Physical Chemistry Chemical Physics, 2014, 16, 12067.	2.8	45
15	Chapter 7. Recent results in synthetic glycochemistry with iron salts at Orsay-Gif. Carbohydrate Chemistry, 2014, , 118-139.	0.3	6
16	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
17	Conformational Selection in Glycomimetics: Human Galectin–1 Only Recognizes syn–Î¨–Type Conformations of Î²–1,3–Linked Lactose and Its C–Glycosyl Derivative. Chemistry - A European Journal, 2013, 19, 14581-14590.	3.3	19
18	Click Chemistry as a Convenient Tool for the Incorporation of a Ruthenium Chromophore and a Nickel–Salen Monomer into a Visible–Light–Active Assembly. European Journal of Inorganic Chemistry, 2013, 2013, 494-499.	2.0	10

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19	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
20	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
21	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
22	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
23	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
24	Efficient electron transfer through a triazole link in ruthenium(ii) polypyridine type complexes. Chemical Communications, 2011, 47, 11011.	4.1	40
25	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
26	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
27	NMR and molecular modeling reveal key structural features of synthetic nodulation factors. Glycobiology, 2011, 21, 824-833.	2.5	10
28	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
29	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
30	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
31	Looking forward: a glance into the future of organic chemistry. New Journal of Chemistry, 2006, 30, 823-831.	2.8	11
32	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
33	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
34	Selective radical synthesis of Î²- C -disaccharides. Tetrahedron Letters, 2001, 42, 7269-7272.	1.4	27
35	A one-step Î²-selective glycosylation of N -acetyl glucosamine and recombinant chitooligosaccharides. Tetrahedron Letters, 2001, 42, 7567-7570.	1.4	33