Sylvestre Marillonnet

List of Publications by Year
in descending order

28 papers	5,473 citations	393982 19 h-index	500791 28 g-index
29 all docs	29 docs citations	29 times ranked	6320 citing authors

#	Article	IF	Citations
1	A One Pot, One Step, Precision Cloning Method with High Throughput Capability. PLoS ONE, 2008, 3, e3647.	1.1	1,867
2	A Modular Cloning System for Standardized Assembly of Multigene Constructs. PLoS ONE, 2011, 6, e16765.	1.1	1,025
3	Golden Gate Shuffling: A One-Pot DNA Shuffling Method Based on Type IIs Restriction Enzymes. PLoS ONE, 2009, 4, e5553.	1.1	850
4	A Golden Gate Modular Cloning Toolbox for Plants. ACS Synthetic Biology, 2014, 3, 839-843.	1.9	666
5	Fast track assembly of multigene constructs using Golden Gate cloning and the MoClo system. Bioengineered, 2012, 3, 38-43.	1.4	219
6	Elucidation of the biosynthesis of carnosic acid and its reconstitution in yeast. Nature Communications, 2016, 7, 12942.	5.8	122
7	MATE Transporter-Dependent Export of Hydroxycinnamic Acid Amides. Plant Cell, 2016, 28, 583-596.	3.1	75
8	High-efficiency genome editing in plants mediated by a Cas9 gene containing multiple introns. Plant Communications, 2021, 2, 100135.	3.6	73
9	Highly efficient multiplex editing: oneâ€shot generation of 8Ã— Nicotiana benthamiana and 12Ã— Arabidopsis mutants. Plant Journal, 2021, 106, 8-22.	2.8	65
10	Synthetic DNA Assembly Using Golden Gate Cloning and the Hierarchical Modular Cloning Pipeline. Current Protocols in Molecular Biology, 2020, 130, e115.	2.9	58
11	Tomato MYB21 Acts in Ovules to Mediate Jasmonate-Regulated Fertility. Plant Cell, 2019, 31, 1043-1062.	3.1	55
12	A library of synthetic transcription activatorâ€like effectorâ€activated promoters for coordinated orthogonal geneÂexpression in plants. Plant Journal, 2015, 82, 707-716.	2.8	52
13	Peripheral infrastructure vectors and an extended set of plant parts for the Modular Cloning system. PLoS ONE, 2018, 13, e0197185.	1.1	48
14	Golden Mutagenesis: An efficient multi-site-saturation mutagenesis approach by Golden Gate cloning with automated primer design. Scientific Reports, 2019, 9, 10932.	1.6	48
15	Optimized Cas9 expression systems for highly efficient Arabidopsis genome editing facilitate isolation of complex alleles in a single generation. Functional and Integrative Genomics, 2020, 20, 151-162.	1.4	43
16	A modular two yeast species secretion system for the production and preparative application of unspecific peroxygenases. Communications Biology, 2021, 4, 562.	2.0	38
17	Engineering Betalain Biosynthesis in Tomato for High Level Betanin Production in Fruits. Frontiers in Plant Science, 2021, 12, 682443.	1.7	30
18	The Tapetal Major Facilitator NPF2.8 Is Required for Accumulation of Flavonol Glycosides on the Pollen Surface in Arabidopsis thaliana. Plant Cell, 2020, 32, 1727-1748.	3.1	28

#	Article	IF	Citations
19	UbiGate: a synthetic biology toolbox to analyse ubiquitination. New Phytologist, 2018, 217, 1749-1763.	3.5	23
20	The scarecrowâ€•like transcription factor SlSCL3 regulates volatile terpene biosynthesis and glandular trichome size in tomato (Solanum lycopersicum). Plant Journal, 2021, 107, 1102-1118.	2.8	22
21	The TAL Effector AvrBs3 from Xanthomonas campestris pv. vesicatoria Contains Multiple Export Signals and Can Enter Plant Cells in the Absence of the Type III Secretion Translocon. Frontiers in Microbiology, 2017, 8, 2180.	1.5	21
22	â€œSelfâ€•and â€œNon-Selfâ€•in the Control of Phytoalexin Biosynthesis: Plant Phospholipases A2 with Alkaloid-Specific Molecular Fingerprints. Plant Cell, 2015, 27, 448-462.	3.1	8
23	Type III-Dependent Translocation of HrpB2 by a Nonpathogenic hpaABC Mutant of the Plant-Pathogenic Bacterium Xanthomonas campestris pv. vesicatoria. Applied and Environmental Microbiology, 2016, 82, 3331-3347.	1.4	8
24	Modular Cloning of the Type III Secretion Gene Cluster from the Plant-Pathogenic Bacterium Xanthomonas euvesicatoria. ACS Synthetic Biology, 2019, 8, 532-547.	1.9	6
25	Generation of MoClo Standard Parts Using Golden Gate Cloning. Methods in Molecular Biology, 2020, 2205, 107-123.	0.4	6
26	Possible role of WRKY transcription factors in regulating immunity in Oryza sativa ssp. indica. Physiological and Molecular Plant Pathology, 2021, 114, 101623.	1.3	5
27	Assembly of Complex Pathways Using Type IIs Restriction Enzymes. Methods in Molecular Biology, 2019, 1927, 93-109.	0.4	4
28	Assembly of Multigene Constructs Using the Modular Cloning System MoClo. Methods in Molecular Biology, 2020, 2205, 125-141.	0.4	4