

Sylvestre Marillonnet

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

5,473
citations

394421
19
h-index

501196
28
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29
all docs

29
docs citations

29
times ranked

6320
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency genome editing in plants mediated by a Cas9 gene containing multiple introns. <i>Plant Communications</i> , 2021, 2, 100135.	7.7	73
2	Highly efficient multiplex editing: one-shot generation of 8 <i>Nicotiana benthamiana</i> and 12 <i>Arabidopsis</i> mutants. <i>Plant Journal</i> , 2021, 106, 8-22.	5.7	65
3	Possible role of WRKY transcription factors in regulating immunity in <i>Oryza sativa</i> ssp. indica. <i>Physiological and Molecular Plant Pathology</i> , 2021, 114, 101623.	2.5	5
4	A modular two yeast species secretion system for the production and preparative application of unspecific peroxygenases. <i>Communications Biology</i> , 2021, 4, 562.	4.4	38
5	Engineering Betalain Biosynthesis in Tomato for High Level Betanin Production in Fruits. <i>Frontiers in Plant Science</i> , 2021, 12, 682443.	3.6	30
6	The scarecrow-like transcription factor SISL3 regulates volatile terpene biosynthesis and glandular trichome size in tomato (<i>Solanum lycopersicum</i>). <i>Plant Journal</i> , 2021, 107, 1102-1118.	5.7	22
7	Optimized Cas9 expression systems for highly efficient <i>Arabidopsis</i> genome editing facilitate isolation of complex alleles in a single generation. <i>Functional and Integrative Genomics</i> , 2020, 20, 151-162.	3.5	43
8	The Tapetal Major Facilitator NPF2.8 Is Required for Accumulation of Flavonol Glycosides on the Pollen Surface in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2020, 32, 1727-1748.	6.6	28
9	Synthetic DNA Assembly Using Golden Gate Cloning and the Hierarchical Modular Cloning Pipeline. <i>Current Protocols in Molecular Biology</i> , 2020, 130, e115.	2.9	58
10	Generation of MoClo Standard Parts Using Golden Gate Cloning. <i>Methods in Molecular Biology</i> , 2020, 2205, 107-123.	0.9	6
11	Assembly of Multigene Constructs Using the Modular Cloning System MoClo. <i>Methods in Molecular Biology</i> , 2020, 2205, 125-141.	0.9	4
12	Golden Mutagenesis: An efficient multi-site-saturation mutagenesis approach by Golden Gate cloning with automated primer design. <i>Scientific Reports</i> , 2019, 9, 10932.	3.3	48
13	Modular Cloning of the Type III Secretion Gene Cluster from the Plant-Pathogenic Bacterium <i>Xanthomonas euvesicatoria</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 532-547.	3.8	6
14	Tomato MYB21 Acts in Ovules to Mediate Jasmonate-Regulated Fertility. <i>Plant Cell</i> , 2019, 31, 1043-1062.	6.6	55
15	Assembly of Complex Pathways Using Type IIs Restriction Enzymes. <i>Methods in Molecular Biology</i> , 2019, 1927, 93-109.	0.9	4
16	UbiGate: a synthetic biology toolbox to analyse ubiquitination. <i>New Phytologist</i> , 2018, 217, 1749-1763.	7.3	23
17	Peripheral infrastructure vectors and an extended set of plant parts for the Modular Cloning system. <i>PLoS ONE</i> , 2018, 13, e0197185.	2.5	48
18	The TAL Effector AvrBs3 from <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> Contains Multiple Export Signals and Can Enter Plant Cells in the Absence of the Type III Secretion Translocon. <i>Frontiers in Microbiology</i> , 2017, 8, 2180.	3.5	21

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19	Type III-Dependent Translocation of HrpB2 by a Nonpathogenic <i>hpaABC</i> Mutant of the Plant-Pathogenic Bacterium <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 3331-3347.	3.1	8
20	Elucidation of the biosynthesis of carnosic acid and its reconstitution in yeast. <i>Nature Communications</i> , 2016, 7, 12942.	12.8	122
21	MATE Transporter-Dependent Export of Hydroxycinnamic Acid Amides. <i>Plant Cell</i> , 2016, 28, 583-596.	6.6	75
22	“Self” and “Non-Self” in the Control of Phytoalexin Biosynthesis: Plant Phospholipases A2 with Alkaloid-Specific Molecular Fingerprints. <i>Plant Cell</i> , 2015, 27, 448-462.	6.6	8
23	A library of synthetic transcription activator-like effector-activated promoters for coordinated orthogonal gene expression in plants. <i>Plant Journal</i> , 2015, 82, 707-716.	5.7	52
24	A Golden Gate Modular Cloning Toolbox for Plants. <i>ACS Synthetic Biology</i> , 2014, 3, 839-843.	3.8	666
25	Fast track assembly of multigene constructs using Golden Gate cloning and the MoClo system. <i>Bioengineered</i> , 2012, 3, 38-43.	3.2	219
26	A Modular Cloning System for Standardized Assembly of Multigene Constructs. <i>PLoS ONE</i> , 2011, 6, e16765.	2.5	1,025
27	Golden Gate Shuffling: A One-Pot DNA Shuffling Method Based on Type II Restriction Enzymes. <i>PLoS ONE</i> , 2009, 4, e5553.	2.5	850
28	A One Pot, One Step, Precision Cloning Method with High Throughput Capability. <i>PLoS ONE</i> , 2008, 3, e3647.	2.5	1,867