Vincent J J Martin

List of Publications by Year
in descending order

37 papers	3,683 citations	279798 23 h-index	345221 36 g-index
46 all docs	46 docs citations	46 times ranked	4105 citing authors

#	Article	IF	Citations
1	Engineering a mevalonate pathway in Escherichia coli for production of terpenoids. Nature Biotechnology, 2003, 21, 796-802.	17.5	1,539
2	An enzyme-coupled biosensor enables (S)-reticuline production in yeast from glucose. Nature Chemical Biology, 2015, 11, 465-471.	8.0	309
3	Transcriptome analysis based on next-generation sequencing of non-model plants producing specialized metabolites of biotechnological interest. Journal of Biotechnology, 2013, 166, 122-134.	3.8	196
4	Building a global alliance of biofoundries. Nature Communications, 2019, 10, 2040.	12.8	167
5	Reconstitution of a 10-gene pathway for synthesis of the plant alkaloid dihydrosanguinarine in Saccharomyces cerevisiae. Nature Communications, 2014, 5, 3283.	12.8	149
6	Synthetic biosystems for the production of high-value plant metabolites. Trends in Biotechnology, 2012, 30, 127-131.	9.3	128
7	Engineering Plant Secondary Metabolism in Microbial Systems. Plant Physiology, 2019, 179, 844-861.	4.8	125
8	A yeast platform for high-level synthesis of tetrahydroisoquinoline alkaloids. Nature Communications, 2020, 11, 3337.	12.8	101
9	Metabolic engineering of a tyrosine-overproducing yeast platform using targeted metabolomics. Microbial Cell Factories, 2015, 14, 73.	4.0	98
10	Synthesis of Morphinan Alkaloids in Saccharomyces cerevisiae. PLoS ONE, 2015, 10, e0124459.	2.5	89
11	Evolutionary engineering by genome shuffling. Applied Microbiology and Biotechnology, 2014, 98, 3877-3887.	3.6	67
12	Microbial Factories for the Production of Benzylisoquinoline Alkaloids. Trends in Biotechnology, 2016, 34, 228-241.	9.3	67
13	Strain improvement of the pentose-fermenting yeast Pichia stipitis by genome shuffling. Journal of Microbiological Methods, 2010, 81, 179-186.	1.6	64
14	Pyrenoid functions revealed by proteomics in Chlamydomonas reinhardtii. PLoS ONE, 2018, 13, e0185039.	2.5	59
15	Mutants of the pentoseâ€fermenting yeast Pichia stipitis with improved tolerance to inhibitors in hardwood spent sulfite liquor. Biotechnology and Bioengineering, 2009, 104, 892-900.	3.3	58
16	A Highly Characterized Synthetic Landing Pad System for Precise Multicopy Gene Integration in Yeast. ACS Synthetic Biology, 2018, 7, 2675-2685.	3.8	54
17	Saccharomyces cerevisiae Genome Shuffling through Recursive Population Mating Leads to Improved Tolerance to Spent Sulfite Liquor. Applied and Environmental Microbiology, 2011, 77, 4736-4743.	3.1	52
18	Engineering of a Nepetalactol-Producing Platform Strain of Saccharomyces cerevisiae for the Production of Plant Seco-Iridoids. ACS Synthetic Biology, 2016, 5, 405-414.	3.8	45

#	Article	IF	Citations
19	Directed evolution of a fungal Î²-glucosidase in Saccharomyces cerevisiae. Biotechnology for Biofuels, 2016, 9, 52.	6.2	38
20	Seamless site-directed mutagenesis of the Saccharomyces cerevisiae genome using CRISPR-Cas9. Journal of Biological Engineering, 2016, 10, 6.	4.7	35
21	An Engineered Aro1 Protein Degradation Approach for Increased cis,cis -Muconic Acid Biosynthesis in Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2018, 84, .	3.1	35
22	A Combinatorial Approach To Study Cytochrome P450 Enzymes for De Novo Production of Steviol Glucosides in Bakerâ€™s Yeast. ACS Synthetic Biology, 2018, 7, 2918-2929.	3.8	33
23	ENGINEERING MICROBES FOR PLANT POLYKETIDE BIOSYNTHESIS. Computational and Structural Biotechnology Journal, 2012, 3, e201210020.	4.1	30
24	Deconstructing the genetic basis of spent sulphite liquor tolerance using deep sequencing of genome-shuffled yeast. Biotechnology for Biofuels, 2015, 8, 53.	6.2	25
25	Mining Enzyme Diversity of Transcriptome Libraries through DNA Synthesis for Benzylisoquinoline Alkaloid Pathway Optimization in Yeast. ACS Synthetic Biology, 2016, 5, 1505-1518.	3.8	19
26	Functional expression of opioid receptors and other human GPCRs in yeast engineered to produce human sterols. Nature Communications, 2022, 13, .	12.8	13
27	Microbial synthesis of natural, semisynthetic, and new-to-nature tetrahydroisoquinoline alkaloids. Current Opinion in Green and Sustainable Chemistry, 2022, 33, 100561.	5.9	11
28	A Versatile Transcription Factor Biosensor System Responsive to Multiple Aromatic and Indole Inducers. ACS Synthetic Biology, 2022, 11, 1692-1698.	3.8	11
29	Reconstituting Plant Secondary Metabolism in Saccharomyces cerevisiae for Production of High-Value Benzylisoquinoline Alkaloids. Methods in Enzymology, 2016, 575, 195-224.	1.0	9
30	Determinants of selection in yeast evolved by genome shuffling. Biotechnology for Biofuels, 2018, 11, 282.	6.2	9
31	Engineering Yeast for De Novo Synthesis of the Insect Repellent Nepetalactone. ACS Synthetic Biology, 2021, 10, 2896-2903.	3.8	9
32	Dynamics of Physicochemical Variables and Cultivable Bacteria in Vermicompost During Steady Food Waste Addition and Upon Feed Interruption. Compost Science and Utilization, 2016, 24, 117-135.	1.2	8
33	The MyLO CRISPR-Cas9 toolkit: a markerless yeast localization and overexpression CRISPR-Cas9 toolkit. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	7
34	CRISPR-Cas tools to study gene function in cytokinesis. Journal of Cell Science, 2021, 134, .	2.0	5
35	The Isolation of DNA Sequences Flanking Tn5 Transposon Insertions by Inverse PCR. , 2002, 192, 315-323.		3
36	Developing a Yeast Platform Strain for an Enhanced Taxadiene Biosynthesis by CRISPR/Cas9. Metabolites, 2021, 11, 147.	2.9	2

#	Article	IF	Citations
37	Microbial Synthesis of Plant Alkaloids. , 2018, , 99-130.		1