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	Microbial synthesis of natural, semisynthetic, and new-to-nature tetrahydroisoquinoline alkaloids. Current Opinion in Green and Sustainable Chemistry, 2022, 33, 100561.	5.9	11
2	A Versatile Transcription Factor Biosensor System Responsive to Multiple Aromatic and Indole Inducers. ACS Synthetic Biology, 2022, 11, 1692-1698.	3.8	11
3	Functional expression of opioid receptors and other human GPCRs in yeast engineered to produce human sterols. Nature Communications, 2022, 13, .	12.8	13
4	The MyLO CRISPR-Cas9 toolkit: a markerless yeast localization and overexpression CRISPR-Cas9 toolkit. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	7
5	Developing a Yeast Platform Strain for an Enhanced Taxadiene Biosynthesis by CRISPR/Cas9. Metabolites, 2021, 11, 147.	2.9	2
6	Engineering Yeast for De Novo Synthesis of the Insect Repellent Nepetalactone. ACS Synthetic Biology, 2021, 10, 2896-2903.	3.8	9
7	CRISPR-Cas tools to study gene function in cytokinesis. Journal of Cell Science, 2021, 134, .	2.0	5
8	A yeast platform for high-level synthesis of tetrahydroisoquinoline alkaloids. Nature Communications, 2020, 11, 3337.	12.8	101
9	Building a global alliance of biofoundries. Nature Communications, 2019, 10, 2040.	12.8	167
10	Engineering Plant Secondary Metabolism in Microbial Systems. Plant Physiology, 2019, 179, 844-861.	4.8	125
11	Microbial Synthesis of Plant Alkaloids. , 2018, , 99-130.		1
12	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
13	A Highly Characterized Synthetic Landing Pad System for Precise Multicopy Gene Integration in Yeast. ACS Synthetic Biology, 2018, 7, 2675-2685.	3.8	54
14	Determinants of selection in yeast evolved by genome shuffling. Biotechnology for Biofuels, 2018, 11, 282.	6.2	9
15	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
16	Pyrenoid functions revealed by proteomics in Chlamydomonas reinhardtii. PLoS ONE, 2018, 13, e0185039.	2.5	59
17	Seamless site-directed mutagenesis of the Saccharomyces cerevisiae genome using CRISPR-Cas9. Journal of Biological Engineering, 2016, 10, 6.	4.7	35
18	Reconstituting Plant Secondary Metabolism in Saccharomyces cerevisiae for Production of High-Value Benzylisoquinoline Alkaloids. Methods in Enzymology, 2016, 575, 195-224.	1.0	9

#	ARTICLE	IF	CITATIONS
19	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
20	Directed evolution of a fungal Î²-glucosidase in Saccharomyces cerevisiae. Biotechnology for Biofuels, 2016, 9, 52.	6.2	38
21	Microbial Factories for the Production of Benzylisoquinoline Alkaloids. Trends in Biotechnology, 2016, 34, 228-241.	9.3	67
22	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
23	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
24	Metabolic engineering of a tyrosine-overproducing yeast platform using targeted metabolomics. Microbial Cell Factories, 2015, 14, 73.	4.0	98
25	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
26	Synthesis of Morphinan Alkaloids in Saccharomyces cerevisiae. PLoS ONE, 2015, 10, e0124459.	2.5	89
27	An enzyme-coupled biosensor enables (S)-reticuline production in yeast from glucose. Nature Chemical Biology, 2015, 11, 465-471.	8.0	309
28	Reconstitution of a 10-gene pathway for synthesis of the plant alkaloid dihydrosanguinarine in Saccharomyces cerevisiae. Nature Communications, 2014, 5, 3283.	12.8	149
29	Evolutionary engineering by genome shuffling. Applied Microbiology and Biotechnology, 2014, 98, 3877-3887.	3.6	67
30	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
31	ENGINEERING MICROBES FOR PLANT POLYKETIDE BIOSYNTHESIS. Computational and Structural Biotechnology Journal, 2012, 3, e201210020.	4.1	30
32	Synthetic biosystems for the production of high-value plant metabolites. Trends in Biotechnology, 2012, 30, 127-131.	9.3	128
33	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
34	Strain improvement of the pentose-fermenting yeast Pichia stipitis by genome shuffling. Journal of Microbiological Methods, 2010, 81, 179-186.	1.6	64
35	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
36	Engineering a mevalonate pathway in Escherichia coli for production of terpenoids. Nature Biotechnology, 2003, 21, 796-802.	17.5	1,539

#	Article	IF	Citations
37	The Isolation of DNA Sequences Flanking Tn5 Transposon Insertions by Inverse PCR. , 2002, 192, 315-323.		3