

Michael J Smanski

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

1,696
citations

13
h-index

41
g-index

43
ext. papers

2,043
ext. citations

8.1
avg, IF

4.35
L-index

#	Paper	IF	Citations
32	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015 , 11, 625-31	11.7	498
31	Synthetic biology to access and expand nature's chemical diversity. <i>Nature Reviews Microbiology</i> , 2016 , 14, 135-49	22.2	314
30	Functional optimization of gene clusters by combinatorial design and assembly. <i>Nature Biotechnology</i> , 2014 , 32, 1241-9	44.5	249
29	Dedicated ent-kaurene and ent-atiserene synthases for platensimycin and platencin biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 13498-503	11.5	109
28	Improvement of secondary metabolite production in <i>Streptomyces</i> by manipulating pathway regulation. <i>Applied Microbiology and Biotechnology</i> , 2010 , 86, 19-25	5.7	81
27	Engineered <i>Streptomyces platensis</i> strains that overproduce antibiotics platensimycin and platencin. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 1299-304	5.9	78
26	Bacterial diterpene synthases: new opportunities for mechanistic enzymology and engineered biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2012 , 16, 132-41	9.7	69
25	Mechanisms of self-resistance in the platensimycin- and platencin-producing <i>Streptomyces platensis</i> MA7327 and MA7339 strains. <i>Chemistry and Biology</i> , 2014 , 21, 389-397		57
24	Expression of the platencin biosynthetic gene cluster in heterologous hosts yielding new platencin congeners. <i>Journal of Natural Products</i> , 2012 , 75, 2158-67	4.9	51
23	Engineering of <i>Streptomyces platensis</i> MA7339 for overproduction of platencin and congeners. <i>Organic Letters</i> , 2010 , 12, 1744-7	6.2	34
22	Engineering species-like barriers to sexual reproduction. <i>Nature Communications</i> , 2017 , 8, 883	17.4	27
21	Leveraging ecological theory to guide natural product discovery. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016 , 43, 115-28	4.2	26
20	Single Copy Transgene Integration in a Transcriptionally Active Site for Recombinant Protein Synthesis. <i>Biotechnology Journal</i> , 2018 , 13, e1800226	5.6	18
19	Genetic Design via Combinatorial Constraint Specification. <i>ACS Synthetic Biology</i> , 2017 , 6, 2130-2135	5.7	12
18	Isolation and structural elucidation of glucoside congeners of platencin from <i>Streptomyces platensis</i> SB12600. <i>Journal of Antibiotics</i> , 2013 , 66, 291-4	3.7	12
17	Engineering multiple species-like genetic incompatibilities in insects. <i>Nature Communications</i> , 2020 , 11, 4468	17.4	9
16	Complete genome sequences of <i>Streptomyces</i> spp. isolated from disease-suppressive soils. <i>BMC Genomics</i> , 2019 , 20, 994	4.5	9

15	CRISPR-Cas Activators for Engineering Gene Expression in Higher Eukaryotes. <i>CRISPR Journal</i> , 2020 , 3, 350-364	2.5	7
14	Semisynthesis of the Neuroprotective Metabolite, Serofendic Acid. <i>ACS Synthetic Biology</i> , 2019 , 8, 2397-2403	3.4	6
13	Model-Driven Engineering of N-Linked Glycosylation in Chinese Hamster Ovary Cells. <i>ACS Synthetic Biology</i> , 2019 , 8, 2524-2535	5.7	6
12	Platensimycin and platencin biosynthesis in <i>Streptomyces platensis</i> , showcasing discovery and characterization of novel bacterial diterpene synthases. <i>Methods in Enzymology</i> , 2012 , 515, 163-86	1.7	4
11	Designing and Implementing Algorithmic DNA Assembly Pipelines for Multi-Gene Systems. <i>Methods in Molecular Biology</i> , 2018 , 1671, 131-147	1.4	4
10	Genome Sequences for spp. Isolated from Disease-Suppressive Soils and Long-Term Ecological Research Sites. <i>Genome Announcements</i> , 2017 , 5,		3
9	Genetic incompatibility combined with female-lethality is effective and robust in simulations of <i>Aedes aegypti</i> population control		3
8	Engineering multiple species-like genetic incompatibilities in insects		2
7	Stereoselective semi-synthesis of the neuroprotective natural product, serofendic acid. <i>MedChemComm</i> , 2019 , 10, 951-960	5	1
6	Simulation Modeling to Compare High-Throughput, Low-Iteration Optimization Strategies for Metabolic Engineering. <i>Frontiers in Microbiology</i> , 2018 , 9, 313	5.7	1
5	Biosynthesis of Pharmaceutical Natural Products and Their Pathway Engineering 2012 , 125-180		1
4	Genetic engineering of sex chromosomes for batch cultivation of non-transgenic, sex-sorted males. <i>PLoS Genetics</i> , 2020 , 16, e1009180	6	1
3	Genetic manipulation of sex ratio in mammals: the Reaper comes for Mickey. <i>EMBO Reports</i> , 2019 , 20, e48577	6.5	1
2	Characterization of Programmable Transcription Activators in the Model Monocot <i>Setaria viridis</i> Via Protoplast Transfection.. <i>Methods in Molecular Biology</i> , 2022 , 2464, 223-244	1.4	0
1	Spotlight on Genetic Design in a Spotted Wing Crop Killer. <i>CRISPR Journal</i> , 2021 , 4, 628-630	2.5	