

Mahmoud M Al-Bassam

List of Publications by Year in descending order

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953
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516710

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19
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23
all docs

23
docs citations

23
times ranked

1297
citing authors

#	ARTICLE	IF	CITATIONS
1	Networks of energetic and metabolic interactions define dynamics in microbial communities. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15450-15455.	7.1	208
2	Developmentally regulated volatiles geosmin and 2-methylisoborneol attract a soil arthropod to Streptomyces bacteria promoting spore dispersal. Nature Microbiology, 2020, 5, 821-829.	13.3	102
3	Response Regulator Heterodimer Formation Controls a Key Stage in Streptomyces Development. PLoS Genetics, 2014, 10, e1004554.	3.5	82
4	New Insights into Chloramphenicol Biosynthesis in Streptomyces venezuelae ATCC 10712. Antimicrobial Agents and Chemotherapy, 2014, 58, 7441-7450.	3.2	74
5	Environmental stimuli drive a transition from cooperation to competition in synthetic phototrophic communities. Nature Microbiology, 2019, 4, 2184-2191.	13.3	54
6	Discovery of Unusual Biaryl Polyketides by Activation of a Silent Streptomyces venezuelae Biosynthetic Gene Cluster. ChemBioChem, 2016, 17, 2189-2198.	2.6	50
7	Predicting proteome allocation, overflow metabolism, and metal requirements in a model acetogen. PLoS Computational Biology, 2019, 15, e1006848.	3.2	46
8	Watasemycin biosynthesis in Streptomyces venezuelae: thiazoline C-methylation by a type B radical-SAM methylase homologue. Chemical Science, 2017, 8, 2823-2831.	7.4	42
9	Discovery of a family of β -aminobutyrate ureas via rational derepression of a silent bacterial gene cluster. Chemical Science, 2014, 5, 86-89.	7.4	40
10	Group B Streptococcus Biofilm Regulatory Protein A Contributes to Bacterial Physiology and Innate Immune Resistance. Journal of Infectious Diseases, 2018, 218, 1641-1652.	4.0	38
11	BldC Delays Entry into Development To Produce a Sustained Period of Vegetative Growth in Streptomyces venezuelae. MBio, 2019, 10, .	4.1	36
12	Optimization of carbon and energy utilization through differential translational efficiency. Nature Communications, 2018, 9, 4474.	12.8	35
13	Expression Patterns, Genomic Conservation and Input Into Developmental Regulation of the GGDEF/EAL/HD-GYP Domain Proteins in Streptomyces. Frontiers in Microbiology, 2018, 9, 2524.	3.5	32
14	c-di-AMP hydrolysis by the phosphodiesterase AtaC promotes differentiation of multicellular bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7392-7400.	7.1	32
15	Nucleotide Second Messenger-Mediated Regulation of a Muralytic Enzyme in Streptomyces. Molecular Microbiology, 2015, 96, 779-795.	2.5	29
16	Sensing and responding to diverse extracellular signals: an updated analysis of the sensor kinases and response regulators of Streptomyces species. Microbiology (United Kingdom), 2019, 165, 929-952.	1.8	21
17	Functional and Proteomic Analysis of Streptococcus pyogenes Virulence Upon Loss of Its Native Cas9 Nuclease. Frontiers in Microbiology, 2019, 10, 1967.	3.5	11
18	Specialized and shared functions of diguanylate cyclases and phosphodiesterases in Streptomyces development. Molecular Microbiology, 2020, 114, 808-822.	2.5	11