

# Anthony J Michael

## List of Publications by Year in descending order

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34  
papers

2,008  
citations

257450

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395702

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docs citations

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times ranked

2217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alternative pathways utilize or circumvent putrescine for biosynthesis of putrescine-containing rhizoferrin. <i>Journal of Biological Chemistry</i> , 2021, 296, 100146.	3.4	8
2	Discovery of ancestral L-ornithine and L-lysine decarboxylases reveals parallel, pseudoconvergent evolution of polyamine biosynthesis. <i>Journal of Biological Chemistry</i> , 2021, 297, 101219.	3.4	10
3	Sensing spermidine through tongue-tied translation prevents too much of a good thing. <i>Molecular Cell</i> , 2021, 81, 3882-3883.	9.7	0
4	A Plant Pathogen Type III Effector Protein Subverts Translational Regulation to Boost Host Polyamine Levels. <i>Cell Host and Microbe</i> , 2019, 26, 638-649.e5.	11.0	68
5	A polyamine-independent role for S-adenosylmethionine decarboxylase. <i>Biochemical Journal</i> , 2019, 476, 2579-2594.	3.7	7
6	Polyamine-independent growth and biofilm formation, and functional spermidine/spermine N-acetyltransferases in <i>Staphylococcus aureus</i> and <i>Enterococcus faecalis</i> . <i>Molecular Microbiology</i> , 2019, 111, 159-175.	2.5	28
7	Metabolomics of tomato xylem sap during bacterial wilt reveals <i>Ralstonia solanacearum</i> produces abundant putrescine, a metabolite that accelerates wilt disease. <i>Environmental Microbiology</i> , 2018, 20, 1330-1349.	3.8	114
8	Polyamine function in archaea and bacteria. <i>Journal of Biological Chemistry</i> , 2018, 293, 18693-18701.	3.4	124
9	Homospermidine biosynthesis in the cyanobacterium <i>Anabaena</i> requires a deoxyhypusine synthase homologue and is essential for normal diazotrophic growth. <i>Molecular Microbiology</i> , 2018, 109, 763-780.	2.5	23
10	Spermidine promotes <i>Bacillus subtilis</i> biofilm formation by activating expression of the matrix regulator slrR. <i>Journal of Biological Chemistry</i> , 2017, 292, 12041-12053.	3.4	34
11	Evolution of biosynthetic diversity. <i>Biochemical Journal</i> , 2017, 474, 2277-2299.	3.7	38
12	Spermidine Inversely Influences Surface Interactions and Planktonic Growth in <i>Agrobacterium tumefaciens</i> . <i>Journal of Bacteriology</i> , 2016, 198, 2682-2691.	2.2	25
13	Biosynthesis of polyamines and polyamine-containing molecules. <i>Biochemical Journal</i> , 2016, 473, 2315-2329.	3.7	142
14	Functional Identification of Putrescine C- and N-Hydroxylases. <i>ACS Chemical Biology</i> , 2016, 11, 2782-2789.	3.4	26
15	Polyamines in Eukaryotes, Bacteria, and Archaea. <i>Journal of Biological Chemistry</i> , 2016, 291, 14896-14903.	3.4	226
16	The Essential Role of Spermidine in Growth of <i>Agrobacterium tumefaciens</i> Is Determined by the 1,3-Diaminopropane Moiety. <i>ACS Chemical Biology</i> , 2016, 11, 491-499.	3.4	31
17	Different polyamine pathways from bacteria have replaced eukaryotic spermidine biosynthesis in ciliates <i>Tetrahymena thermophila</i> and <i>Paramecium tetraurelia</i> . <i>Molecular Microbiology</i> , 2015, 97, 791-807.	2.5	14
18	Polyamine Oxidase5 Regulates Arabidopsis Growth through Thermospermine Oxidase Activity. <i>Plant Physiology</i> , 2014, 165, 1575-1590.	4.8	89

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19	Norspermidine Is Not a Self-Produced Trigger for Biofilm Disassembly. <i>Cell</i> , 2014, 156, 844-854.	28.9	65
20	A wider role for polyamines in biofilm formation. <i>Biotechnology Letters</i> , 2013, 35, 1715-1717.	2.2	44
21	Evolution of a novel lysine decarboxylase in siderophore biosynthesis. <i>Molecular Microbiology</i> , 2012, 86, 485-499.	2.5	53
22	Plant ornithine decarboxylase is not post-transcriptionally feedback regulated by polyamines but can interact with a cytosolic ribosomal protein S15 polypeptide. <i>Amino Acids</i> , 2012, 42, 519-527.	2.7	10
23	Independent evolutionary origins of functional polyamine biosynthetic enzyme fusions catalysing <i>de novo</i> diamine to triamine formation. <i>Molecular Microbiology</i> , 2011, 81, 1109-1124.	2.5	20
24	Molecular machines encoded by bacterially-derived multi-domain gene fusions that potentially synthesize, <i>N</i> -methylate and transfer long chain polyamines in diatoms. <i>FEBS Letters</i> , 2011, 585, 2627-2634.	2.8	33
25	Alternative Spermidine Biosynthetic Route Is Critical for Growth of <i>Campylobacter jejuni</i> and Is the Dominant Polyamine Pathway in Human Gut Microbiota. <i>Journal of Biological Chemistry</i> , 2011, 286, 43301-43312.	3.4	93
26	Exploring Polyamine Biosynthetic Diversity Through Comparative and Functional Genomics. <i>Methods in Molecular Biology</i> , 2011, 720, 39-50.	0.9	4
27	Spermine synthase. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 113-121.	5.4	126
28	Evolution of Substrate Specificity within a Diverse Family of $\beta$ -Barrel-fold Basic Amino Acid Decarboxylases. <i>Journal of Biological Chemistry</i> , 2010, 285, 25708-25719.	3.4	24
29	Evolution and Multifarious Horizontal Transfer of an Alternative Biosynthetic Pathway for the Alternative Polyamine sym-Homospermidine. <i>Journal of Biological Chemistry</i> , 2010, 285, 14711-14723.	3.4	51
30	Evolution and Multiplicity of Arginine Decarboxylases in Polyamine Biosynthesis and Essential Role in <i>Bacillus subtilis</i> Biofilm Formation. <i>Journal of Biological Chemistry</i> , 2010, 285, 39224-39238.	3.4	103
31	An Alternative Polyamine Biosynthetic Pathway Is Widespread in Bacteria and Essential for Biofilm Formation in <i>Vibrio cholerae</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 9899-9907.	3.4	156
32	Crystal Structure of Human Spermine Synthase. <i>Journal of Biological Chemistry</i> , 2008, 283, 16135-16146.	3.4	101
33	Phylogenetic Diversity and the Structural Basis of Substrate Specificity in the $\beta$ -Barrel Fold Basic Amino Acid Decarboxylases. <i>Journal of Biological Chemistry</i> , 2007, 282, 27115-27125.	3.4	52
34	The diverse bacterial origins of the <i>Arabidopsis</i> polyamine biosynthetic pathway. <i>FEBS Letters</i> , 2003, 549, 26-30.	2.8	66