

Krishna Kannan

List of Publications by Year in descending order

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14
papers

2,112
citations

840776

11
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

3022
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and synthesis of a minimal bacterial genome. <i>Science</i> , 2016, 351, aad6253.	12.6	1,077
2	Horizontal gene transfer of the algal nuclear gene <i>psbO</i> to the photosynthetic sea slug <i>Elysia chlorotica</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17867-17871.	7.1	244
3	The general mode of translation inhibition by macrolide antibiotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15958-15963.	7.1	142
4	The key function of a conserved and modified rRNA residue in the ribosomal response to the nascent peptide. <i>EMBO Journal</i> , 2010, 29, 3108-3117.	7.8	138
5	Selective Protein Synthesis by Ribosomes with a Drug-Obstructed Exit Tunnel. <i>Cell</i> , 2012, 151, 508-520.	28.9	130
6	Context-specific inhibition of translation by ribosomal antibiotics targeting the peptidyl transferase center. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12150-12155.	7.1	130
7	Macrolide antibiotics in the ribosome exit tunnel: species-specific binding and action. <i>Annals of the New York Academy of Sciences</i> , 2011, 1241, 33-47.	3.8	91
8	Regulation of Gene Expression by Macrolide-Induced Ribosomal Frameshifting. <i>Molecular Cell</i> , 2013, 52, 629-642.	9.7	69
9	Digital-to-biological converter for on-demand production of biologics. <i>Nature Biotechnology</i> , 2017, 35, 672-675.	17.5	51
10	One step engineering of the small-subunit ribosomal RNA using CRISPR/Cas9. <i>Scientific Reports</i> , 2016, 6, 30714.	3.3	19
11	Yeast genome, by design. <i>Science</i> , 2017, 355, 1024-1025.	12.6	17
12	Tannase activity from the marine cyanobacterium <i>Phormidium valderianum</i> BDU140441. <i>Journal of Applied Phycology</i> , 2012, 24, 1093-1098.	2.8	4
13	Gross Chromosomal Rearrangements in <i>Kluyveromyces marxianus</i> Revealed by Illumina and Oxford Nanopore Sequencing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7112.	4.1	0
14	Nascent peptide-dependent regulation of protein synthesis. <i>FASEB Journal</i> , 2009, 23, .	0.5	0