

Vinayak Kapatral

List of Publications by Year in descending order

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32
papers

4,392
citations

257450

24
h-index

434195

31
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all docs

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docs citations

32
times ranked

5592
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequence of <i>Bacillus cereus</i> and comparative analysis with <i>Bacillus anthracis</i> . <i>Nature</i> , 2003, 423, 87-91.	27.8	740
2	Experimental Determination and System Level Analysis of Essential Genes in <i>Escherichia coli</i> MG1655. <i>Journal of Bacteriology</i> , 2003, 185, 5673-5684.	2.2	678
3	The <i>Wolbachia</i> Genome of <i>Brugia malayi</i> : Endosymbiont Evolution within a Human Pathogenic Nematode. <i>PLoS Biology</i> , 2005, 3, e121.	5.6	529
4	The genome sequence of the facultative intracellular pathogen <i>Brucella melitensis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 443-448.	7.1	513
5	Genome Sequence and Analysis of the Oral Bacterium <i>Fusobacterium nucleatum</i> Strain ATCC 25586. <i>Journal of Bacteriology</i> , 2002, 184, 2005-2018.	2.2	311
6	The ERGOTM genome analysis and discovery system. <i>Nucleic Acids Research</i> , 2003, 31, 164-171.	14.5	207
7	The Genetic Basis of Laboratory Adaptation in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2010, 192, 3678-3688.	2.2	166
8	Comparative Genome-Scale Metabolic Reconstruction and Flux Balance Analysis of Multiple <i>Staphylococcus aureus</i> Genomes Identify Novel Antimicrobial Drug Targets. <i>Journal of Bacteriology</i> , 2009, 191, 4015-4024.	2.2	148
9	Blueprint for antimicrobial hit discovery targeting metabolic networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1082-1087.	7.1	98
10	Temperature-dependent regulation of <i>Yersinia enterocolitica</i> Class III flagellar genes. <i>Molecular Microbiology</i> , 1996, 19, 1061-1071.	2.5	97
11	Whole-genome comparative analysis of three phytopathogenic <i>Xylella fastidiosa</i> strains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12403-12408.	7.1	94
12	Cellular function of elastase in <i>Pseudomonas aeruginosa</i> : role in the cleavage of nucleoside diphosphate kinase and in alginate synthesis. <i>Molecular Microbiology</i> , 1998, 30, 933-941.	2.5	93
13	Secretion of ATP-utilizing enzymes, nucleoside diphosphate kinase and ATPase, by <i>Mycobacterium bovis</i> BCG: sequestration of ATP from macrophage P2Z receptors?. <i>Molecular Microbiology</i> , 1999, 31, 1333-1343.	2.5	77
14	Comparative genome analysis of <i>Bacillus cereus</i> group genomes with <i>Bacillus subtilis</i> . <i>FEMS Microbiology Letters</i> , 2005, 250, 175-184.	1.8	73
15	Genome Analysis of <i>F. nucleatum</i> sub spp <i>vincentii</i> and Its Comparison With the Genome of <i>F. nucleatum</i> ATCC 25586. <i>Genome Research</i> , 2003, 13, 1180-1189.	5.5	72
16	Draft Sequencing and Comparative Genomics of <i>Xylella fastidiosa</i> Strains Reveal Novel Biological Insights. <i>Genome Research</i> , 2002, 12, 1556-1563.	5.5	70
17	Co-ordinate, temperature-sensitive regulation of the three <i>Yersinia enterocolitica</i> flagellin genes. <i>Molecular Microbiology</i> , 1995, 17, 49-56.	2.5	66
18	The genome of <i>Brucella melitensis</i> . <i>Veterinary Microbiology</i> , 2002, 90, 587-592.	1.9	48

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19	Characterization of a Hankâ€™s Type Serine/Threonine Kinase and Serine/Threonine Phosphoprotein Phosphatase in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 1999, 181, 6615-6622.	2.2	48
20	P2Z-Independent and P2Z Receptor-Mediated Macrophage Killing by <i>Pseudomonas aeruginosa</i> Isolated from Cystic Fibrosis Patients. <i>Infection and Immunity</i> , 1999, 67, 5231-5242.	2.2	46
21	Gene array analysis of <i>Yersinia enterocolitica</i> FlhD and FlhC: regulation of enzymes affecting synthesis and degradation of carbamoylphosphate. <i>Microbiology (United Kingdom)</i> , 2004, 150, 2289-2300.	1.8	45
22	The <i>Rhodobacter capsulatus</i> genome. <i>Photosynthesis Research</i> , 2001, 70, 43-52.	2.9	35
23	Complete Genome Sequence of <i>Flavobacterium psychrophilum</i> Strain CSF259-93, Used To Select Rainbow Trout for Increased Genetic Resistance against Bacterial Cold Water Disease. <i>Genome Announcements</i> , 2014, 2, .	0.8	34
24	Succinyl Coenzyme A Synthetase of <i>Pseudomonas aeruginosa</i> with a Broad Specificity for Nucleoside Triphosphate (NTP) Synthesis Modulates Specificity for NTP Synthesis by the 12-Kilodalton Form of Nucleoside Diphosphate Kinase. <i>Journal of Bacteriology</i> , 2000, 182, 1333-1339.	2.2	29
25	Transcriptional Profiling the 150 kb Linear Megaplasmid of <i>Borrelia turicatae</i> Suggests a Role in Vector Colonization and Initiating Mammalian Infection. <i>PLoS ONE</i> , 2016, 11, e0147707.	2.5	20
26	Metabolic Network Analysis-Based Identification of Antimicrobial Drug Targets in Category A Bioterrorism Agents. <i>PLoS ONE</i> , 2014, 9, e85195.	2.5	16
27	Mammalian heterotrimeric Gâ€™protein-like proteins in mycobacteria: implications for cell signalling and survival in eukaryotic host cells. <i>Molecular Microbiology</i> , 1997, 26, 607-618.	2.5	13
28	Characterization of a Recombinant <i>Yersinia enterocolitica</i> Lipoprotein; Implications for its Role in Autoimmune Response against Thyrotropin Receptor. <i>Autoimmunity</i> , 2004, 37, 515-520.	2.6	12
29	The genome of <i>Shigella dysenteriae</i> strain Sd1617 comparison to representative strains in evaluating pathogenesis. <i>FEMS Microbiology Letters</i> , 2015, 362, .	1.8	10
30	Draft Genome Sequence of a New Homofermentative, Lactic Acid-Producing <i>Enterococcus faecalis</i> Isolate, CBRD01. <i>Genome Announcements</i> , 2014, 2, .	0.8	3
31	Genome Sequence and Comparative Pathogenic Determinants of Multidrug Resistant Uropathogenic <i>Escherichia coli</i> O25b:H4, A Clinical Isolate from Saudi Arabia. <i>Journal of Pure and Applied Microbiology</i> , 2016, 10, .	0.9	1
32	Metabolic Network Analysis-Based Identification of Antimicrobial Drug Target in Pathogenic Bacteria. , 2015, , 385-399.		0