

Dirk-Jan Scheffers

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6912298/publications.pdf>

Version: 2024-02-01

52
papers

2,501
citations

331670

21
h-index

206112

48
g-index

56
all docs

56
docs citations

56
times ranked

2776
citing authors

#	ARTICLE	IF	CITATIONS
1	Benzenetriol-Derived Compounds against Citrus Canker. <i>Molecules</i> , 2021, 26, 1436.	3.8	2
2	Antibacterial activity of a new monocarbonyl analog of curcumin MAC 4 is associated with divisome disruption. <i>Bioorganic Chemistry</i> , 2021, 109, 104668.	4.1	9
3	An Organogold Compound as Potential Antimicrobial Agent against Drug-Resistant Bacteria: Initial Mechanistic Insights. <i>ChemMedChem</i> , 2021, 16, 3060-3070.	3.2	26
4	The Cell Wall of <i>Bacillus subtilis</i> . <i>Current Issues in Molecular Biology</i> , 2021, 41, 539-596.	2.4	18
5	Novel Modifications of Nonribosomal Peptides from <i>Brevibacillus laterosporus</i> MG64 and Investigation of Their Mode of Action. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	12
6	Investigating the Modes of Action of the Antimicrobial Chalcones BC1 and T9A. <i>Molecules</i> , 2020, 25, 4596.	3.8	6
7	Characterization of two relacidines belonging to a novel class of circular lipopeptides that act against Gram-negative bacterial pathogens. <i>Environmental Microbiology</i> , 2020, 22, 5125-5136.	3.8	19
8	The PASTA domains of <i>Bacillus subtilis</i> PBP2B strengthen the interaction of PBP2B with DivIB. <i>Microbiology (United Kingdom)</i> , 2020, 166, 826-836.	1.8	11
9	Flotillin-mediated membrane fluidity controls peptidoglycan synthesis and MreB movement. <i>ELife</i> , 2020, 9, .	6.0	52
10	A simplified curcumin targets the membrane of <i>Bacillus subtilis</i> . <i>MicrobiologyOpen</i> , 2019, 8, e00683.	3.0	28
11	Purification and characterization of FtsZ from the citrus canker pathogen <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>MicrobiologyOpen</i> , 2019, 8, e00706.	3.0	3
12	Antibacterial activity of 3,3-dihydroxycurcumin (DHC) is associated with membrane perturbation. <i>Bioorganic Chemistry</i> , 2019, 90, 103031.	4.1	14
13	Antibacterial activity of monoacetylated alkyl gallates against <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>Archives of Microbiology</i> , 2018, 200, 929-937.	2.2	23
14	Design of Antibacterial Agents: Alkyl Dihydroxybenzoates against <i>Xanthomonas citri</i> subsp. <i>citri</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 3050.	4.1	14
15	Pentapeptide-rich peptidoglycan at the <i>Bacillus subtilis</i> cell division site. <i>Molecular Microbiology</i> , 2017, 104, 319-333.	2.5	25
16	Bicyclic enol cyclocarbamates inhibit penicillin-binding proteins. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 894-910.	2.8	6
17	<i>Xanthomonas citri</i> MinC Oscillates from Pole to Pole to Ensure Proper Cell Division and Shape. <i>Frontiers in Microbiology</i> , 2017, 8, 1352.	3.5	13
18	Metal-dependent SpolIE oligomerization stabilizes FtsZ during asymmetric division in <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2017, 12, e0174713.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Bacterial dynamin as a membrane puncture repair kit. <i>Environmental Microbiology</i> , 2016, 18, 2298-2301.	3.8	4
20	A 1â€%MDa protein complex containing critical components of the Escherichia coli divisome. <i>Scientific Reports</i> , 2016, 5, 18190.	3.3	28
21	FtsZ-Dependent Elongation of a Coccoid Bacterium. <i>MBio</i> , 2016, 7, .	4.1	21
22	Antibacterial activity of alkyl gallates is a combination of direct targeting of FtsZ and permeabilization of bacterial membranes. <i>Frontiers in Microbiology</i> , 2015, 6, 390.	3.5	43
23	LipidII: Just Another Brick in the Wall?. <i>PLoS Pathogens</i> , 2015, 11, e1005213.	4.7	30
24	The Escherichia coli Membrane Protein Insertase YidC Assists in the Biogenesis of Penicillin Binding Proteins. <i>Journal of Bacteriology</i> , 2015, 197, 1444-1450.	2.2	19
25	<i>In Vivo</i> Cluster Formation of Nisin and Lipid II Is Correlated with Membrane Depolarization. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3683-3686.	3.2	12
26	Defining the Region of Bacillus subtilis SpoIIJ That Is Essential for Its Sporulation-Specific Function. <i>Journal of Bacteriology</i> , 2014, 196, 1318-1324.	2.2	3
27	Focus on Membrane Differentiation and Membrane Domains in the Prokaryotic Cell. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2013, 23, 345-356.	1.0	11
28	FtsZ Polymerization Assays: Simple Protocols and Considerations. <i>Journal of Visualized Experiments</i> , 2013, , e50844.	0.3	17
29	Phage ̄29 protein p1 promotes replication by associating with the FtsZ ring of the divisome in <i>Bacillus subtilis</i>. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12313-12318.	7.1	18
30	The localization of key <i>Bacillus subtilis</i> penicillin binding proteins during cell growth is determined by substrate availability. <i>Environmental Microbiology</i> , 2013, 15, 3272-3281.	3.8	22
31	Balanced transcription of cell division genes in <i>Bacillus subtilis</i> as revealed by single cell analysis. <i>Environmental Microbiology</i> , 2013, 15, 3196-3209.	3.8	8
32	Bacillus subtilis SepF Binds to the C-Terminus of FtsZ. <i>PLoS ONE</i> , 2012, 7, e43293.	2.5	50
33	Large ring polymers align FtsZ polymers for normal septum formation. <i>EMBO Journal</i> , 2011, 30, 617-626.	7.8	73
34	Activators of the Glutamate-Dependent Acid Resistance System Alleviate Deleterious Effects of YidC Depletion in <i>Escherichia coli</i>. <i>Journal of Bacteriology</i> , 2011, 193, 1308-1316.	2.2	7
35	Diffusion nuclear magnetic resonance spectroscopy detects substoichiometric concentrations of small molecules in protein samples. <i>Analytical Biochemistry</i> , 2010, 396, 117-123.	2.4	8
36	Characterization of ftsZ Mutations that Render Bacillus subtilis Resistant to MinC. <i>PLoS ONE</i> , 2010, 5, e12048.	2.5	11

#	ARTICLE	IF	CITATIONS
37	YidC is required for the assembly of the MscL homopentameric pore. FEBS Journal, 2009, 276, 4891-4899.	4.7	22
38	The effect of MinC on FtsZ polymerization is pH dependent and can be counteracted by ZapA. FEBS Letters, 2008, 582, 2601-2608.	2.8	45
39	Localization and Interactions of Teichoic Acid Synthetic Enzymes in Bacillus subtilis. Journal of Bacteriology, 2008, 190, 1812-1821.	2.2	79
40	Contribution of the FtsQ Transmembrane Segment to Localization to the Cell Division Site. Journal of Bacteriology, 2007, 189, 7273-7280.	2.2	19
41	Cell wall growth during elongation and division: one ring to bind them?. Molecular Microbiology, 2007, 64, 877-880.	2.5	4
42	Dynamic localization of penicillin-binding proteins during spore development in Bacillus subtilis. Microbiology (United Kingdom), 2005, 151, 999-1012.	1.8	21
43	Bacterial Cell Wall Synthesis: New Insights from Localization Studies. Microbiology and Molecular Biology Reviews, 2005, 69, 585-607.	6.6	499
44	PBP1 Is a Component of the Bacillus subtilis Cell Division Machinery. Journal of Bacteriology, 2004, 186, 5153-5156.	2.2	51
45	Several distinct localization patterns for penicillin-binding proteins in Bacillus subtilis. Molecular Microbiology, 2003, 51, 749-764.	2.5	136
46	R174 of Escherichia coli FtsZ is involved in membrane interaction and protofilament bundling, and is essential for cell division. Molecular Microbiology, 2003, 51, 645-657.	2.5	78
47	Cytokinesis in Bacteria. Microbiology and Molecular Biology Reviews, 2003, 67, 52-65.	6.6	548
48	GTP Hydrolysis of Cell Division Protein FtsZ: Evidence that the Active Site Is Formed by the Association of Monomers. Biochemistry, 2002, 41, 521-529.	2.5	144
49	Immediate GTP hydrolysis upon FtsZ polymerization. Molecular Microbiology, 2002, 43, 1517-1521.	2.5	39
50	Substitution of a conserved aspartate allows cation-induced polymerization of FtsZ. FEBS Letters, 2001, 494, 34-37.	2.8	28
51	The polymerization mechanism of the bacterial cell division protein FtsZ. FEBS Letters, 2001, 506, 6-10.	2.8	57
52	Non-hydrolysable GTP-gamma-S stabilizes the FtsZ polymer in a GDP-bound state. Molecular Microbiology, 2000, 35, 1211-1219.	2.5	51