

Michiel Vos

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,331
citations

279487

23
h-index

288905

40
g-index

45
all docs

45
docs citations

45
times ranked

4763
citing authors

#	ARTICLE	IF	CITATIONS
1	Signatures of selection in core and accessory genomes indicate different ecological drivers of diversification among <i>Bacillus cereus</i> clades. <i>Molecular Ecology</i> , 2022, 31, 3584-3597.	2.0	4
2	Bacterial colonisation dynamics of household plastics in a coastal environment. <i>Science of the Total Environment</i> , 2022, 838, 156199.	3.9	12
3	A new test suggests hundreds of amino acid polymorphisms in humans are subject to balancing selection. <i>PLoS Biology</i> , 2022, 20, e3001645.	2.6	5
4	<i>Myxococcus xanthus</i> . <i>Trends in Microbiology</i> , 2021, 29, 562-563.	3.5	3
5	Kin discrimination promotes horizontal gene transfer between unrelated strains in <i>Bacillus subtilis</i> . <i>Nature Communications</i> , 2021, 12, 3457.	5.8	19
6	Antimicrobial resistance acquisition via natural transformation: context is everything. <i>Current Opinion in Microbiology</i> , 2021, 64, 133-138.	2.3	35
7	Determining the prevalence, identity and possible origin of bacterial pathogens in soil. <i>Environmental Microbiology</i> , 2020, 22, 5327-5340.	1.8	9
8	The evolution of bacterial pathogens in the Anthropocene. <i>Infection, Genetics and Evolution</i> , 2020, 86, 104611.	1.0	10
9	Zinc can counteract selection for ciprofloxacin resistance. <i>FEMS Microbiology Letters</i> , 2020, 367, .	0.7	16
10	Sexual Selection in Bacteria?. <i>Trends in Microbiology</i> , 2019, 27, 972-981.	3.5	10
11	Using the wax moth larva <i>Galleria mellonella</i> infection model to detect emerging bacterial pathogens. <i>PeerJ</i> , 2019, 6, e6150.	0.9	24
12	Triclosan Alters Microbial Communities in Freshwater Microcosms. <i>Water (Switzerland)</i> , 2019, 11, 961.	1.2	15
13	Transposon mutagenesis in <i>Pseudomonas fluorescens</i> reveals genes involved in blue pigment production and antioxidant protection.. <i>Food Microbiology</i> , 2019, 82, 497-503.	2.1	25
14	Patterns of cross-resistance and collateral sensitivity between clinical antibiotics and natural antimicrobials. <i>Evolutionary Applications</i> , 2019, 12, 878-887.	1.5	20
15	<i>Staphylococcus cornubiensis</i> sp. nov., a member of the <i>Staphylococcus intermedius</i> Group (SIG). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3404-3408.	0.8	31
16	Prokaryote genome fluidity is dependent on effective population size. <i>ISME Journal</i> , 2017, 11, 1719-1721.	4.4	100
17	The Ecological Role of Volatile and Soluble Secondary Metabolites Produced by Soil Bacteria. <i>Trends in Microbiology</i> , 2017, 25, 280-292.	3.5	361
18	Are pangenomes adaptive or not?. <i>Nature Microbiology</i> , 2017, 2, 1576-1576.	5.9	59

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19	A barrier to homologous recombination between sympatric strains of the cooperative soil bacterium <i>Myxococcus xanthus</i> . ISME Journal, 2016, 10, 2468-2477.	4.4	52
20	No effect of natural transformation on the evolution of resistance to bacteriophages in the <i>Acinetobacter baylyi</i> model system. Scientific Reports, 2016, 6, 37144.	1.6	4
21	Adaptation in Natural Microbial Populations. Annual Review of Ecology, Evolution, and Systematics, 2015, 46, 503-522.	3.8	47
22	Rates of Lateral Gene Transfer in Prokaryotes: High but Why?. Trends in Microbiology, 2015, 23, 598-605.	3.5	153
23	Improved Detection of <i>Staphylococcus intermedius</i> Group in a Routine Diagnostic Laboratory. Journal of Clinical Microbiology, 2015, 53, 961-963.	1.8	32
24	Improvement in <i>Staphylococcus</i> and <i>Bacillus</i> strain differentiation by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry profiling by using microwave-assisted enzymatic digestion. Rapid Communications in Mass Spectrometry, 2014, 28, 1855-1861.	0.7	9
25	Micro-scale determinants of bacterial diversity in soil. FEMS Microbiology Reviews, 2013, 37, 936-954.	3.9	418
26	ODoSE: A Webserver for Genome-Wide Calculation of Adaptive Divergence in Prokaryotes. PLoS ONE, 2013, 8, e62447.	1.1	9
27	Impact of Matric Potential and Pore Size Distribution on Growth Dynamics of Filamentous and Non-Filamentous Soil Bacteria. PLoS ONE, 2013, 8, e83661.	1.1	67
28	A Comparison of <i>rpoB</i> and 16S rRNA as Markers in Pyrosequencing Studies of Bacterial Diversity. PLoS ONE, 2012, 7, e30600.	1.1	109
29	A species concept for bacteria based on adaptive divergence. Trends in Microbiology, 2011, 19, 1-7.	3.5	79
30	No Apparent Costs for Facultative Antibiotic Production by the Soil Bacterium <i>Pseudomonas fluorescens</i> Pf0-1. PLoS ONE, 2011, 6, e27266.	1.1	33
31	Local Adaptation of Bacteriophages to Their Bacterial Hosts in Soil. Science, 2009, 325, 833-833.	6.0	152
32	Social Conflict in Centimeter-and Global-Scale Populations of the Bacterium <i>Myxococcus xanthus</i> . Current Biology, 2009, 19, 1763-1767.	1.8	127
33	A comparison of homologous recombination rates in bacteria and archaea. ISME Journal, 2009, 3, 199-208.	4.4	489
34	Why do bacteria engage in homologous recombination?. Trends in Microbiology, 2009, 17, 226-232.	3.5	128
35	Natural variation of gliding motility in a centimetre-scale population of <i>Myxococcus xanthus</i> . FEMS Microbiology Ecology, 2008, 64, 343-350.	1.3	27
36	Isolation by Distance in the Spore-Forming Soil Bacterium <i>Myxococcus xanthus</i> . Current Biology, 2008, 18, 386-391.	1.8	83

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37	Discovering the Hidden Secondary Metabolome of <i>Myxococcus xanthus</i> : a Study of Intraspecific Diversity. Applied and Environmental Microbiology, 2008, 74, 3058-3068.	1.4	133
38	Siderophore-mediated cooperation and virulence in <i>Pseudomonas aeruginosa</i> . FEMS Microbiology Ecology, 2007, 62, 135-141.	1.3	146
39	Genetic Population Structure of the Soil Bacterium <i>Myxococcus xanthus</i> at the Centimeter Scale. Applied and Environmental Microbiology, 2006, 72, 3615-3625.	1.4	83
40	Cooperation and virulence in acute <i>Pseudomonas aeruginosa</i> infections. BMC Biology, 2006, 4, 21.	1.7	188