

# Nicholas Waglechner

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10993074/publications.pdf>

Version: 2024-02-01

28  
papers

7,135  
citations

257450

24  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

10415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogeny-Informed Synthetic Biology Reveals Unprecedented Structural Novelty in Type V Glycopeptide Antibiotics. <i>ACS Central Science</i> , 2022, 8, 615-626.	11.3	10
2	Ancient Antibiotics, Ancient Resistance. <i>EcoSal Plus</i> , 2021, 9, .	5.4	10
3	GPAHex-A synthetic biology platform for Type IVâ€V glycopeptide antibiotic production and discovery. <i>Nature Communications</i> , 2020, 11, 5232.	12.8	21
4	Evolution-guided discovery of antibiotics that inhibit peptidoglycan remodelling. <i>Nature</i> , 2020, 578, 582-587.	27.8	177
5	Phylogenetic reconciliation reveals the natural history of glycopeptide antibiotic biosynthesis and resistance. <i>Nature Microbiology</i> , 2019, 4, 1862-1871.	13.3	67
6	Hidden antibiotics in actinomycetes can be identified by inactivation of gene clusters for common antibiotics. <i>Nature Biotechnology</i> , 2019, 37, 1149-1154.	17.5	68
7	The complex resistomes of Paenibacillaceae reflect diverse antibiotic chemical ecologies. <i>ISME Journal</i> , 2018, 12, 885-897.	9.8	15
8	CARD 2017: expansion and model-centric curation of the comprehensive antibiotic resistance database. <i>Nucleic Acids Research</i> , 2017, 45, D566-D573.	14.5	2,063
9	Antibiotic resistance: itâ€™s bad, but why isnâ€™t it worse?. <i>BMC Biology</i> , 2017, 15, 84.	3.8	60
10	Eighteenth century <i>Yersinia pestis</i> genomes reveal the long-term persistence of an historical plague focus. <i>ELife</i> , 2016, 5, e12994.	6.0	139
11	Rifampin phosphotransferase is an unusual antibiotic resistance kinase. <i>Nature Communications</i> , 2016, 7, 11343.	12.8	36
12	Discovery of Ibomycin, a Complex Macrolactone that Exerts Antifungal Activity by Impeding Endocytic Trafficking and Membrane Function. <i>Cell Chemical Biology</i> , 2016, 23, 1383-1394.	5.2	27
13	The Prehistory of Antibiotic Resistance. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016, 6, a025197.	6.2	141
14	Clinical utilization of genomics data produced by the international <i>Pseudomonas aeruginosa</i> consortium. <i>Frontiers in Microbiology</i> , 2015, 6, 1036.	3.5	144
15	IslandViewer 3: more flexible, interactive genomic island discovery, visualization and analysis: Figure 1.. <i>Nucleic Acids Research</i> , 2015, 43, W104-W108.	14.5	316
16	Vancomycin-Variable Enterococci Can Give Rise to Constitutive Resistance during Antibiotic Therapy. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1405-1410.	3.2	45
17	Harnessing the Synthetic Capabilities of Glycopeptide Antibiotic Tailoring Enzymes: Characterization of the UKâ€™68,597 Biosynthetic Cluster. <i>ChemBioChem</i> , 2014, 15, 2613-2623.	2.6	30
18	A rifamycin inactivating phosphotransferase family shared by environmental and pathogenic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7102-7107.	7.1	59

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19	<i>Yersinia pestis</i> and the Plague of Justinian 541–543 AD: a genomic analysis. <i>Lancet Infectious Diseases</i> , 2014, 14, 319-326.	9.1	358
20	Second-Pandemic Strain of <i>Vibrio cholerae</i> from the Philadelphia Cholera Outbreak of 1849. <i>New England Journal of Medicine</i> , 2014, 370, 334-340.	27.0	134
21	Antibiotic resistance-mediated isolation of scaffold-specific natural product producers. <i>Nature Protocols</i> , 2014, 9, 1469-1479.	12.0	40
22	The Comprehensive Antibiotic Resistance Database. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 3348-3357.	3.2	1,615
23	Identifying producers of antibacterial compounds by screening for antibiotic resistance. <i>Nature Biotechnology</i> , 2013, 31, 922-927.	17.5	206
24	Antibiotic Resistance Is Prevalent in an Isolated Cave Microbiome. <i>PLoS ONE</i> , 2012, 7, e34953.	2.5	541
25	Inactivation of the Lipopeptide Antibiotic Daptomycin by Hydrolytic Mechanisms. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 757-764.	3.2	52
26	Characterization of a Rifampin-Inactivating Glycosyltransferase from a Screen of Environmental Actinomycetes. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 5061-5069.	3.2	46
27	A Small Molecule Discrimination Map of the Antibiotic Resistance Kinome. <i>Chemistry and Biology</i> , 2011, 18, 1591-1601.	6.0	72
28	A draft genome of <i>Yersinia pestis</i> from victims of the Black Death. <i>Nature</i> , 2011, 478, 506-510.	27.8	619