Nicholas Waglechner

List of Publications by Year
in descending order

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

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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	CARD 2017: expansion and model-centric curation of the comprehensive antibiotic resistance database. Nucleic Acids Research, 2017, 45, D566-D573.	14.5	2,063
2	The Comprehensive Antibiotic Resistance Database. Antimicrobial Agents and Chemotherapy, 2013, 57, 3348-3357.	3.2	1,615
3	A draft genome of Yersinia pestis from victims of the Black Death. Nature, 2011, 478, 506-510.	27.8	619
4	Antibiotic Resistance Is Prevalent in an Isolated Cave Microbiome. PLoS ONE, 2012, 7, e34953.	2.5	541
5	Yersinia pestis and the Plague of Justinian 541â€“543 AD: a genomic analysis. Lancet Infectious Diseases, The, 2014, 14, 319-326.	9.1	358
6	IslandViewer 3: more flexible, interactive genomic island discovery, visualization and analysis: Figure 1.. Nucleic Acids Research, 2015, 43, W104-W108.	14.5	316
7	Identifying producers of antibacterial compounds by screening for antibiotic resistance. Nature Biotechnology, 2013, 31, 922-927.	17.5	206
8	Evolution-guided discovery of antibiotics that inhibit peptidoglycan remodelling. Nature, 2020, 578, 582-587.	27.8	177
9	Clinical utilization of genomics data produced by the international Pseudomonas aeruginosa consortium. Frontiers in Microbiology, 2015, 6, 1036.	3.5	144
10	The Prehistory of Antibiotic Resistance. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a025197.	6.2	141
11	Eighteenth century Yersinia pestis genomes reveal the long-term persistence of an historical plague focus. ELife, 2016, 5, e12994.	6.0	139
12	Second-Pandemic Strain ofVibrio choleraefrom the Philadelphia Cholera Outbreak of 1849. New England Journal of Medicine, 2014, 370, 334-340.	27.0	134
13	A Small Molecule Discrimination Map of the Antibiotic Resistance Kinome. Chemistry and Biology, 2011, 18, 1591-1601.	6.0	72
14	Hidden antibiotics in actinomycetes can be identified by inactivation of gene clusters for common antibiotics. Nature Biotechnology, 2019, 37, 1149-1154.	17.5	68
15	Phylogenetic reconciliation reveals the natural history of glycopeptide antibiotic biosynthesis and resistance. Nature Microbiology, 2019, 4, 1862-1871.	13.3	67
16	Antibiotic resistance: itâ€™s bad, but why isnâ€™t it worse?. BMC Biology, 2017, 15, 84.	3.8	60
17	A rifamycin inactivating phosphotransferase family shared by environmental and pathogenic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7102-7107.	7.1	59
18	Inactivation of the Lipopeptide Antibiotic Daptomycin by Hydrolytic Mechanisms. Antimicrobial Agents and Chemotherapy, 2012, 56, 757-764.	3.2	52

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19	Characterization of a Rifampin-Inactivating Glycosyltransferase from a Screen of Environmental Actinomycetes. Antimicrobial Agents and Chemotherapy, 2012, 56, 5061-5069.	3.2	46
20	Vancomycin-Variable Enterococci Can Give Rise to Constitutive Resistance during Antibiotic Therapy. Antimicrobial Agents and Chemotherapy, 2015, 59, 1405-1410.	3.2	45
21	Antibiotic resistanceâ€“mediated isolation of scaffold-specific natural product producers. Nature Protocols, 2014, 9, 1469-1479.	12.0	40
22	Rifampin phosphotransferase is an unusual antibiotic resistance kinase. Nature Communications, 2016, 7, 11343.	12.8	36
23	Harnessing the Synthetic Capabilities of Glycopeptide Antibiotic Tailoring Enzymes: Characterization of the UKâ€68,597 Biosynthetic Cluster. ChemBioChem, 2014, 15, 2613-2623.	2.6	30
24	Discovery of Ibomycin, a Complex Macrolactone that Exerts Antifungal Activity by Impeding Endocytic Trafficking and Membrane Function. Cell Chemical Biology, 2016, 23, 1383-1394.	5.2	27
25	GPAHex-A synthetic biology platform for Type IVâ€“V glycopeptide antibiotic production and discovery. Nature Communications, 2020, 11, 5232.	12.8	21
26	The complex resistomes of Paenibacillaceae reflect diverse antibiotic chemical ecologies. ISME Journal, 2018, 12, 885-897.	9.8	15
27	Ancient Antibiotics, Ancient Resistance. EcoSal Plus, 2021, 9, .	5.4	10
28	Phylogeny-Informed Synthetic Biology Reveals Unprecedented Structural Novelty in Type V Glycopeptide Antibiotics. ACS Central Science, 2022, 8, 615-626.	11.3	10