Shawn French

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4102962/publications.pdf

Version: 2024-02-01

27	2,142	430442	476904
papers	citations	18 h-index	29 g-index

29	29	29	3084
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Systems-Level Chemical Biology to Accelerate Antibiotic Drug Discovery. Accounts of Chemical Research, 2021, 54, 1909-1920.	7.6	15
2	Physicochemical and Structural Parameters Contributing to the Antibacterial Activity and Efflux Susceptibility of Small-Molecule Inhibitors of Escherichia coli. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	9
3	Chemical Screen for Vancomycin Antagonism Uncovers Probes of the Gram-Negative Outer Membrane. ACS Chemical Biology, 2021, 16, 929-942.	1.6	29
4	Potentiation of Antibiotics against Gram-Negative Bacteria by Polymyxin B Analogue SPR741 from Unique Perturbation of the Outer Membrane. ACS Infectious Diseases, 2020, 6, 1405-1412.	1.8	72
5	A comprehensive guide to dynamic analysis of microbial gene expression using the 3D-printed PFIbox and a fluorescent reporter library. Nature Protocols, 2020, 15, 575-603.	5.5	2
6	Genetic and Chemical Screening in Human Blood Serum Reveals Unique Antibacterial Targets and Compounds against Klebsiella pneumoniae. Cell Reports, 2020, 32, 107927.	2.9	28
7	A Deep Learning Approach to Antibiotic Discovery. Cell, 2020, 180, 688-702.e13.	13.5	978
8	Genetic and Chemical-Genetic Interactions Map Biogenesis and Permeability Determinants of the Outer Membrane of Escherichia coli. MBio, 2020, 11, .	1.8	20
9	Gene Dispensability in Escherichia coli Grown in Thirty Different Carbon Environments. MBio, 2020, 11, .	1.8	21
10	A multiplexable assay for screening antibiotic lethality against drug-tolerant bacteria. Nature Methods, 2019, 16, 303-306.	9.0	30
11	A macrophage-based screen identifies antibacterial compounds selective for intracellular Salmonella Typhimurium. Nature Communications, 2019, 10, 197.	5.8	59
12	Bicarbonate Alters Bacterial Susceptibility to Antibiotics by Targeting the Proton Motive Force. ACS Infectious Diseases, 2018, 4, 382-390.	1.8	92
13	Open-Source High-Throughput Phenomics of Bacterial Promoter-Reporter Strains. Cell Systems, 2018, 7, 339-346.e3.	2.9	19
14	Bacteria Getting into Shape: Genetic Determinants of E.Âcoli Morphology. MBio, 2017, 8, .	1.8	29
15	Pentamidine sensitizes Gram-negative pathogens to antibiotics and overcomes acquired colistin resistance. Nature Microbiology, 2017, 2, 17028.	5.9	256
16	Exploiting the Sensitivity of Nutrient Transporter Deletion Strains in Discovery of Natural Product Antimetabolites. ACS Infectious Diseases, 2017, 3, 955-965.	1.8	12
17	Chemical genomics reveals mechanistic hypotheses for uncharacterized bioactive molecules in bacteria. Current Opinion in Microbiology, 2017, 39, 42-47.	2.3	11
18	A cell-based approach to characterize antimicrobial compounds through kinetic dose response. Bioorganic and Medicinal Chemistry, 2016, 24, 6315-6319.	1.4	7

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19	The Genome-Wide Interaction Network of Nutrient Stress Genes in Escherichia coli. MBio, 2016, 7, .	1.8	30
20	Identification of Two Phosphate Starvation-induced Wall Teichoic Acid Hydrolases Provides First Insights into the Degradative Pathway of a Key Bacterial Cell Wall Component. Journal of Biological Chemistry, 2016, 291, 26066-26082.	1.6	34
21	Cold Stress Makes Escherichia coli Susceptible to Glycopeptide Antibiotics by Altering Outer Membrane Integrity. Cell Chemical Biology, 2016, 23, 267-277.	2.5	65
22	Assembly and clustering of natural antibiotics guides target identification. Nature Chemical Biology, 2016, 12, 233-239.	3.9	86
23	A robust platform for chemical genomics in bacterial systems. Molecular Biology of the Cell, 2016, 27, 1015-1025.	0.9	57
24	Structural and Kinetic Characterization of Diazabicyclooctanes as Dual Inhibitors of Both Serine-Î²-Lactamases and Penicillin-Binding Proteins. ACS Chemical Biology, 2016, 11, 864-868.	1.6	52
25	Antagonism screen for inhibitors of bacterial cell wall biogenesis uncovers an inhibitor of undecaprenyl diphosphate synthase. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11048-11053.	3.3	83
26	Changes inShewanella putrefaciensCN32 Membrane Stability upon Growth in the Presence of Soluble Mn(II), V(IV), and U(VI). Geomicrobiology Journal, 2013, 30, 245-254.	1.0	4
27	The dynamic nature of bacterial surfaces: Implications for metalâ€“membrane interaction. Critical Reviews in Microbiology, 2013, 39, 196-217.	2.7	37