

Johnny X Huang

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,929
citations

201385

27
h-index

253896

43
g-index

48
all docs

48
docs citations

48
times ranked

3859
citing authors

#	ARTICLE	IF	CITATIONS
1	The Diagnostic Sensitivity of Dengue Rapid Test Assays Is Significantly Enhanced by Using a Combined Antigen and Antibody Testing Approach. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1199.	1.3	140
2	Protein-inspired antibiotics active against vancomycin- and daptomycin-resistant bacteria. <i>Nature Communications</i> , 2018, 9, 22.	5.8	111
3	An amphipathic peptide with antibiotic activity against multidrug-resistant Gram-negative bacteria. <i>Nature Communications</i> , 2020, 11, 3184.	5.8	105
4	Activity and Predicted Nephrotoxicity of Synthetic Antibiotics Based on Polymyxin B. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1068-1077.	2.9	94
5	Programmed Death-1 Ligand 2-Mediated Regulation of the PD-L1 to PD-1 Axis Is Essential for Establishing CD4 + T Cell Immunity. <i>Immunity</i> , 2016, 45, 333-345.	6.6	92
6	Development of Anti-Infectives Using Phage Display: Biological Agents against Bacteria, Viruses, and Parasites. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4569-4582.	1.4	85
7	Mucin Binding Reduces Colistin Antimicrobial Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5925-5931.	1.4	82
8	An "Unlikely" Pair: The Antimicrobial Synergy of Polymyxin B in Combination with the Cystic Fibrosis Transmembrane Conductance Regulator Drugs KALYDECO and ORKAMBI. <i>ACS Infectious Diseases</i> , 2016, 2, 478-488.	1.8	80
9	Surface changes and polymyxin interactions with a resistant strain of <i>Klebsiella pneumoniae</i> . <i>Innate Immunity</i> , 2014, 20, 350-363.	1.1	61
10	Evaluation of biomarkers for in vitro prediction of drug-induced nephrotoxicity: comparison of HK-2, immortalized human proximal tubule epithelial, and primary cultures of human proximal tubular cells. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00148.	1.1	59
11	Antibacterial low molecular weight cationic polymers: dissecting the contribution of hydrophobicity, chain length and charge to activity. <i>RSC Advances</i> , 2016, 6, 15469-15477.	1.7	58
12	Structure, Function, and Biosynthetic Origin of Octapeptin Antibiotics Active against Extensively Drug-Resistant Gram-Negative Bacteria. <i>Cell Chemical Biology</i> , 2018, 25, 380-391.e5.	2.5	57
13	Ramoplanin at Bactericidal Concentrations Induces Bacterial Membrane Depolarization in <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6819-6827.	1.4	48
14	Metronidazole-triazole conjugates: Activity against <i>Clostridium difficile</i> and parasites. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 96-102.	2.6	48
15	The antigenic architecture of the hemagglutinin of influenza H5N1 viruses. <i>Molecular Immunology</i> , 2013, 56, 705-719.	1.0	47
16	A new antibiotic with potent activity targets MscL. <i>Journal of Antibiotics</i> , 2015, 68, 453-462.	1.0	46
17	Cell- and biomarker-based assays for predicting nephrotoxicity. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2014, 10, 1621-1635.	1.5	44
18	Identification of Antitubercular Benzothiazinone Compounds by Ligand-Based Design. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7940-7944.	2.9	40

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19	Structure-activity relationships for the binding of polymyxins with human β -1-acid glycoprotein. <i>Biochemical Pharmacology</i> , 2012, 84, 278-291.	2.0	40
20	Cationic acrylate oligomers comprising amino acid mimic moieties demonstrate improved antibacterial killing efficiency. <i>Journal of Materials Chemistry B</i> , 2017, 5, 531-536.	2.9	38
21	An azido-oxazolidinone antibiotic for live bacterial cell imaging and generation of antibiotic variants. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4490-4498.	1.4	37
22	Molecular basis for the increased polymyxin susceptibility of <i>Klebsiella pneumoniae</i> strains with under-acylated lipid A. <i>Innate Immunity</i> , 2013, 19, 265-277.	1.1	36
23	Carbohydrate scaffolds as glycosyltransferase inhibitors with in vivo antibacterial activity. <i>Nature Communications</i> , 2015, 6, 7719.	5.8	34
24	Drug-drug plasma protein binding interactions of ivacaftor. <i>Journal of Molecular Recognition</i> , 2015, 28, 339-348.	1.1	34
25	β -Conotoxin Dendrimers Have Enhanced Potency and Selectivity for Homomeric Nicotinic Acetylcholine Receptors. <i>Journal of the American Chemical Society</i> , 2015, 137, 3209-3212.	6.6	32
26	Structure aided design of chimeric antibiotics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2428-2433.	1.0	31
27	Comparison of Surface Plasmon Resonance, Resonant Waveguide Grating Biosensing and Enzyme Linked Immunosorbent Assay (ELISA) in the Evaluation of a Dengue Virus Immunoassay. <i>Biosensors</i> , 2013, 3, 297-311.	2.3	30
28	Structure-Function Studies of Polymyxin B Liponapeptides. <i>Molecules</i> , 2019, 24, 553.	1.7	26
29	Genome-Wide Off-Target Analysis in CRISPR-Cas9 Modified Mice and Their Offspring. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 3645-3651.	0.8	26
30	Drug-binding energetics of human β -1-acid glycoprotein assessed by isothermal titration calorimetry and molecular docking simulations. <i>Journal of Molecular Recognition</i> , 2012, 25, 642-656.	1.1	24
31	Molecular Characterization of Lipopolysaccharide Binding to Human β -1-Acid Glycoprotein. <i>Journal of Lipids</i> , 2012, 2012, 1-15.	1.9	23
32	Efficient synthesis of anacardic acid analogues and their antibacterial activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1667-1670.	1.0	23
33	Synthesis of Essramycin and Comparison of Its Antibacterial Activity. <i>Journal of Natural Products</i> , 2010, 73, 1940-1942.	1.5	22
34	Antibacterial and antifungal screening of natural products sourced from Australian fungi and characterisation of pestalactams D-F. <i>Phytochemistry</i> , 2016, 124, 79-85.	1.4	21
35	Plasma Protein Binding Structure-Activity Relationships Related to the N-Terminus of Daptomycin. <i>ACS Infectious Diseases</i> , 2017, 3, 249-258.	1.8	20
36	Discovery of Novel Pneumococcal Surface Antigen A (PsaA) Inhibitors Using a Fragment-based Drug Design Approach. <i>ACS Chemical Biology</i> , 2015, 10, 1511-1520.	1.6	19

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37	A novel murine antibody and an open sandwich immunoassay for the detection of clenbuterol. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109473.	2.9	19
38	Synthesis of octapeptin C4 and biological profiling against NDM-1 and polymyxin-resistant bacteria. <i>Biorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2407-2409.	1.0	16
39	Synthesis and evaluation of cationic norbornanes as peptidomimetic antibacterial agents. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6225-6241.	1.5	14
40	Synthesis of norbornane bisether antibiotics via silver-mediated alkylation. <i>RSC Advances</i> , 2015, 5, 28582-28596.	1.7	14
41	Flemingin-Type Prenylated Chalcones from the Sarawak Rainforest Plant <i>Desmodium congestum</i> . <i>Journal of Natural Products</i> , 2015, 78, 2141-2144.	1.5	13
42	Truncated Latrunculins as Actin Inhibitors Targeting <i>Plasmodium falciparum</i> Motility and Host Cell Invasion. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10994-11005.	2.9	13
43	Self-assembling lipopeptides with a potent activity against Gram-positive bacteria, including multidrug resistant strains. <i>Nanomedicine</i> , 2015, 10, 3359-3371.	1.7	9
44	The Plasma Protein Binding Proteome of Ertapenem: A Novel Compound-Centric Proteomic Approach for Elucidating Drug-Plasma Protein Binding Interactions. <i>ACS Chemical Biology</i> , 2016, 11, 3353-3364.	1.6	7
45	Molecular Characterisation of the Haemagglutinin Glycan-Binding Specificity of Egg-Adapted Vaccine Strains of the Pandemic 2009 H1N1 Swine Influenza A Virus. <i>Molecules</i> , 2015, 20, 10415-10434.	1.7	6
46	Affinities and in-plane stress forces between glycopeptide antibiotics and biomimetic bacterial membranes. <i>Sensing and Bio-Sensing Research</i> , 2015, 3, 24-30.	2.2	2
47	Construction of a full-length antibody phage display vector. <i>Journal of Immunological Methods</i> , 2021, 494, 113052.	0.6	2
48	A comparison study of superovulation strategies for C57BL/6J and B6D2F1 mice in CRISPR-Cas9 mediated genome editing. <i>Reproduction, Fertility and Development</i> , 2021, 33, 772.	0.1	1