Yue Qu

List of Publications by Year
in descending order

48 papers	2,193 citations	218592 26 h-index	223716 46 g-index
49 all docs	49 docs citations	49 times ranked	3657 citing authors

#	Article	IF	Citations
1	Emerging rules for effective antimicrobial coatings. Trends in Biotechnology, 2014, 32, 82-90.	4.9	257
2	The Pathogen Candida albicans Hijacks Pyroptosis for Escape from Macrophages. MBio, 2014, 5, e00003-14.	1.8	181
3	Guanylated Polymethacrylates: A Class of Potent Antimicrobial Polymers with Low Hemolytic Activity. Biomacromolecules, 2013, 14, 4021-4031.	2.6	174
4	Self-assembly of ciprofloxacin and a tripeptide into an antimicrobial nanostructured hydrogel. Biomaterials, 2013, 34, 3678-3687.	5.7	162
5	A Global Virulence Regulator in Acinetobacter baumannii and Its Control of the Phenylacetic Acid Catabolic Pathway. Journal of Infectious Diseases, 2014, 210, 46-55.	1.9	139
6	Approaches for the inhibition and elimination of microbial biofilms using macromolecular agents. Chemical Society Reviews, 2021, 50, 1587-1616.	18.7	90
7	Sequence Control as a Powerful Tool for Improving the Selectivity of Antimicrobial Polymers. ACS Applied Materials & Interfaces, 2017, 9, 40117-40126.	4.0	83
8	Densely adherent growth mode, rather than extracellular polymer substance matrix build-up ability, contributes to high resistance of Staphylococcus epidermidis biofilms to antibiotics. Journal of Antimicrobial Chemotherapy, 2010, 65, 1405-1411.	1.3	81
9	Identification of a Class of Protein ADP-Ribosylating Sirtuins in Microbial Pathogens. Molecular Cell, 2015, 59, 309-320.	4.5	79
10	Comparison of various antimicrobial agents as catheter lock solutions: preference for ethanol in eradication of coagulase-negative staphylococcal biofilms. Journal of Medical Microbiology, 2009, 58, 442-450.	0.7	70
11	RAFT-derived antimicrobial polymethacrylates: elucidating the impact of end-groups on activity and cytotoxicity. Polymer Chemistry, 2014, 5, 5813-5822.	1.9	68
12	Searching for new strategies against polymicrobial biofilm infections: guanylated polymethacrylates kill mixed fungal/bacterial biofilms. Journal of Antimicrobial Chemotherapy, 2016, 71, 413-421.	1.3	65
13	Antibiotic susceptibility of coagulase-negative staphylococci isolated from very low birth weight babies: comprehensive comparisons of bacteria at different stages of biofilm formation. Annals of Clinical Microbiology and Antimicrobials, 2010, 9, 16.	1.7	60
14	Mitochondrial Sorting and Assembly Machinery Subunit Sam37 in Candida albicans: Insight into the Roles of Mitochondria in Fitness, Cell Wall Integrity, and Virulence. Eukaryotic Cell, 2012, 11, 532-544.	3.4	57
15	The Functions of Mediator in Candida albicans Support a Role in Shaping Species-Specific Gene Expression. PLoS Genetics, 2012, 8, e1002613.	1.5	50
16	Light-triggered release of ciprofloxacin from an in situ forming click hydrogel for antibacterial wound dressings. Journal of Materials Chemistry B, 2015, 3, 8771-8774.	2.9	46
17	Prebiotic-chemistry inspired polymer coatings for biomedical and material science applications. NPG Asia Materials, 2015, 7, e225-e225.	3.8	41
18	Coagulase-negative staphylococci in very-low-birth-weight infants: inability of genetic markers to distinguish invasive strains from blood culture contaminants. European Journal of Clinical Microbiology and Infectious Diseases, 2006, 25, 283-290.	1.3	40

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19	Antimicrobial Honey-Inspired Glucose-Responsive Nanoreactors by Polymerization-Induced Self-Assembly. ACS Applied Materials & Interfaces, 2020, 12, 11353-11362.	4.0	36
20	Vancomycin Heteroresistance in Bloodstream Isolates of Staphylococcus capitis. Journal of Clinical Microbiology, 2008, 46, 3124-3126.	1.8	35
21	Polymicrobial infections involving clinically relevant Gram-negative bacteria and fungi. Cellular Microbiology, 2016, 18, 1716-1722.	1.1	33
22	Biofilm Formation of Candida albicans Facilitates Fungal Infiltration and Persister Cell Formation in Vaginal Candidiasis. Frontiers in Microbiology, 2020, 11, 1117.	1.5	32
23	Integration of Posttranscriptional Gene Networks into Metabolic Adaptation and Biofilm Maturation in Candida albicans. PLoS Genetics, 2015, 11, e1005590.	1.5	31
24	Antibacterial poly(ethylene glycol) hydrogels from combined epoxyâ€amine and thiolâ€ene click reaction. Journal of Polymer Science Part A, 2016, 54, 656-667.	2.5	31
25	Antibiotic regimen based on population analysis of residing persister cells eradicates Staphylococcus epidermidis biofilms. Scientific Reports, 2016, 5, 18578.	1.6	31
26	A model system for mitochondrial biogenesis reveals evolutionary rewiring of protein import and membrane assembly pathways. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3358-66.	3.3	30
27	A Comprehensive Evaluation of Xpert MTB/RIF Assay With Bronchoalveolar Lavage Fluid as a Single Test or Combined With Conventional Assays for Diagnosis of Pulmonary Tuberculosis in China: A Two-Center Prospective Study. Frontiers in Microbiology, 2018, 9, 444.	1.5	27
28	Biofilm formation and migration on ventricular assist device drivelines. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 491-502.e2.	0.4	23
29	Pooled Plasmid Sequencing Reveals the Relationship Between Mobile Genetic Elements and Antimicrobial Resistance Genes in Clinically Isolated Klebsiella pneumoniae. Genomics, Proteomics and Bioinformatics, 2020, 18, 539-548.	3.0	17
30	RAFT-Derived Polymethacrylates as a Superior Treatment for Recurrent Vulvovaginal Candidiasis by Targeting Biotic Biofilms and Persister Cells. Frontiers in Microbiology, 2019, 10, 2592.	1.5	16
31	Ventricular Assist Device-Specific Infections. Journal of Clinical Medicine, 2021, 10, 453.	1.0	14
32	Efficient construction of unmarked recombinant mycobacteria using an improved system. Journal of Microbiological Methods, 2014, 103, 29-36.	0.7	13
33	Hyperosmotic Infusion and Oxidized Surfaces Are Essential for Biofilm Formation of Staphylococcus capitis From the Neonatal Intensive Care Unit. Frontiers in Microbiology, 2020, 11, 920.	1.5	11
34	Characterization of infected, explanted ventricular assist device drivelines: The role of biofilms and microgaps in the driveline tunnel. Journal of Heart and Lung Transplantation, 2020, 39, 1289-1299.	0.3	9
35	The mRNA Decay Pathway Regulates the Expression of the Flo11 Adhesin and Biofilm Formation inSaccharomyces cerevisiae. Genetics, 2012, 191, 1387-1391.	1.2	8
36	Honey-inspired antimicrobial hydrogels resist bacterial colonization through twin synergistic mechanisms. Scientific Reports, 2020, 10, 15796.	1.6	8

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37	Lactate as a metabolite from probiotic Lactobacilli mitigates ethanol-induced gastric mucosal injury: an in vivo study. BMC Complementary Medicine and Therapies, 2021, 21, 26.	1.2	8
38	Modification of Honeybee Silk by the Addition of Antimicrobial Agents. ACS Omega, 2017, 2, 4456-4463.	1.6	6
39	Dual Action Antimicrobial Surfaces: Alternating Photopatterns Maintain Contactâ€Killing Properties with Reduced Biofilm Formation. Macromolecular Materials and Engineering, 2020, 305, 2000371.	1.7	6
40	Optimizing Microplate Biofilm Assays to Screen Anti-infective Surfaces. Trends in Biotechnology, 2017, 35, 3-5.	4.9	5
41	Tissue adhesives for bacterial inhibition in extracorporeal membrane oxygenation cannulae. Intensive Care Medicine Experimental, 2021, 9, 25.	0.9	5
42	Oxacillin Coupled G-Quadruplexes as a Novel Biofilm-Specific Antibiotic for Staphylococcus aureus Biofilms. ACS Applied Bio Materials, 2019, 2, 3002-3008.	2.3	4
43	Should we absolutely reject the hypothesis that epithelium-based Candida biofilms contribute to the pathogenesis of human vulvovaginal candidiasis?. American Journal of Obstetrics and Gynecology, 2019, 221, 372-373.	0.7	3
44	Densely adherent growth mode, rather than extracellular polymer substance matrix build-up ability, contributes to high resistance of Staphylococcus epidermidis biofilms to antibiotics--authors' response. Journal of Antimicrobial Chemotherapy, 2010, 65, 2055-2056.	1.3	2
45	In vitro Evaluation of Medihoney Antibacterial Wound Gel as an Anti-biofilm Agent Against Ventricular Assist Device Driveline Infections. Frontiers in Microbiology, 2020, 11, 605608.	1.5	2
46	Acquisition of Tigecycline Resistance by Carbapenem-Resistant Klebsiella pneumoniae Confers Collateral Hypersensitivity to Aminoglycosides. Frontiers in Microbiology, 2021, 12, 674502.	1.5	2
47	Statistical Modelling Outcome of In Vitro Fertilization and Intracytoplasmic Sperm Injection: A Single Centre Study. Combinatorial Chemistry and High Throughput Screening, 2019, 22, 225-231.	0.6	1
48	Percutaneous and transcutaneous connections. , 2018, , 659-689.		0