Bing Gu

List of Publications by Year
in descending order

42 papers	1,117 citations	430874 18 h-index	434195 31 g-index
51 all docs	51 docs citations	51 times ranked	1505 citing authors

#	ARTICLE	IF	CITATIONS
1	Development and evaluation of aÂrapid CRISPR-based diagnostic forÂCOVID-19. PLoS Pathogens, 2020, 16, e1008705.	4.7	161
2	Combined use of vancomycin-modified Ag-coated magnetic nanoparticles and secondary enhanced nanoparticles for rapid surface-enhanced Raman scattering detection of bacteria. International Journal of Nanomedicine, 2018, Volume 13, 1159-1178.	6.7	82
3	Application of MALDI-TOF MS to rapid identification of anaerobic bacteria. BMC Infectious Diseases, 2019, 19, 941.	2.9	63
4	Synthesis of raspberry-like nanogapped Fe_3O_4@Au nanocomposites for SERS-based lateral flow detection of multiple tumor biomarkers. Journal of Materials Chemistry C, 2020, 8, 12854-12864.	5.5	49
5	<p>Serum Exosomal Long Noncoding RNA pcsk2-2:1 As A Potential Novel Diagnostic Biomarker For Gastric Cancer</p>. OncoTargets and Therapy, 2019, Volume 12, 10035-10041.	2.0	48
6	Interactions of commensal and pathogenic microorganisms with the mucus layer in the colon. Gut Microbes, 2020, 11, 680-690.	9.8	45
7	Recent advances in rapid pathogen detection method based on biosensors. European Journal of Clinical Microbiology and Infectious Diseases, 2018, 37, 1021-1037.	2.9	43
8	Probiotics decrease depressive behaviors induced by constipation via activating the AKT signaling pathway. Metabolic Brain Disease, 2018, 33, 1625-1633.	2.9	43
9	Rapid identification and antibiotic susceptibility test of pathogens in blood based on magnetic separation and surface-enhanced Raman scattering. Mikrochimica Acta, 2019, 186, 475.	5.0	43
10	High Prevalence of blaNDM Variants Among Carbapenem-Resistant Escherichia coli in Northern Jiangsu Province, China. Frontiers in Microbiology, 2018, 9, 2704.	3.5	42
11	Comparative Analysis of Machine Learning Algorithms on Surface Enhanced Raman Spectra of Clinical Staphylococcus Species. Frontiers in Microbiology, 2021, 12, 696921.	3.5	37
12	Rapid, Quantitative, High-Sensitive Detection of Escherichia coli O157:H7 by Gold-Shell Silica-Core Nanospheres-Based Surface-Enhanced Raman Scattering Lateral Flow Immunoassay. Frontiers in Microbiology, 2020, 11, 596005.	3.5	36
13	Applications of Raman Spectroscopy in Bacterial Infections: Principles, Advantages, and Shortcomings. Frontiers in Microbiology, 2021, 12, 683580.	3.5	34
14	Label-free identification carbapenem-resistant *Escherichia coli* based on surface-enhanced resonance Raman scattering. RSC Advances, 2018, 8, 4761-4765.	3.6	29
15	Evaluation of neurosurgical implant infection rates and associated pathogens: evidence from 1118 postoperative infections. Neurosurgical Focus, 2019, 47, E6.	2.3	28
16	Momordica charantia polysaccharides modulate the differentiation of neural stem cells via SIRT1/Î²-catenin axis in cerebral ischemia/reperfusion. Stem Cell Research and Therapy, 2020, 11, 485.	5.5	27
17	Alpinia oxyphylla Miq. and Its Active Compound P-Coumaric Acid Promote Brain-Derived Neurotrophic Factor Signaling for Inducing Hippocampal Neurogenesis and Improving Post-cerebral Ischemic Spatial Cognitive Functions. Frontiers in Cell and Developmental Biology, 2020, 8, 577790.	3.7	22
18	Discrimination between Carbapenem-Resistant and Carbapenem-Sensitive Klebsiella pneumoniae Strains through Computational Analysis of Surface-Enhanced Raman Spectra: a Pilot Study. Microbiology Spectrum, 2022, 10, e0240921.	3.0	22

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19	<p>First Reported Nosocomial Outbreak Of NDM-5-Producing Klebsiella pneumoniae In A Neonatal Unit In China</p>. Infection and Drug Resistance, 2019, Volume 12, 3557-3566.	2.7	20
20	Rapid SERS identification of methicillin-susceptible and methicillin-resistant <i>Staphylococcus aureus via</i> aptamer recognition and deep learning. RSC Advances, 2021, 11, 34425-34431.	3.6	20
21	Rapid Discrimination of Clinically Important Pathogens Through Machine Learning Analysis of Surface Enhanced Raman Spectra. Frontiers in Microbiology, 2022, 13, 843417.	3.5	20
22	Rapid Detection Method for Pathogenic Candida Captured by Magnetic Nanoparticles and Identified Using SERS via AgNPs+. International Journal of Nanomedicine, 2021, Volume 16, 941-950.	6.7	19
23	Kalopanaxsaponin A induces reactive oxygen species mediated mitochondrial dysfunction and cell membrane destruction in Candida albicans. PLoS ONE, 2020, 15, e0243066.	2.5	19
24	Low distribution of genes encoding virulence factors in Shigella flexneri serotypes 1b clinical isolates from eastern Chinese populations. Gut Pathogens, 2017, 9, 76.	3.4	17
25	Novel mutations in gyrA and parC among Shigella sonnei strains from Jiangsu Province of China, 2002-2011. International Journal of Infectious Diseases, 2017, 59, 44-49.	3.3	15
26	Virulence-associated genes and molecular characteristics of non-O1/non-O139 Vibrio cholerae isolated from hepatitis B cirrhosis patients in China. International Journal of Infectious Diseases, 2018, 74, 117-122.	3.3	15
27	Prevalence and characterisation of third-generation cephalosporin-resistant Shigella flexneri isolates from Jiangsu Province, China, 2013â€"2015. Journal of Global Antimicrobial Resistance, 2018, 15, 283-287.	2.2	13
28	<p>Gold Nanoclusters as an Antibacterial Alternative Against Clostridium difficile</p>. International Journal of Nanomedicine, 2020, Volume 15, 6401-6408.	6.7	13
29	Anticandidal Activity of Kalopanaxsaponin A: Effect on Proliferation, Cell Morphology, and Key Virulence Attributes of Candida albicans. Frontiers in Microbiology, 2019, 10, 2844.	3.5	12
30	A clinical prognostic scoring system for resectable gastric cancer to predict survival and benefit from paclitaxel- or oxaliplatin-based adjuvant chemotherapy. Drug Design, Development and Therapy, 2016, 10, 241.	4.3	10
31	Diagnostic and Prognostic Values of Serum EpCAM, TGM2, and HE4 Levels in Endometrial Cancer. Frontiers in Oncology, 2020, 10, 1697.	2.8	10
32	Rapid and sensitive detection of Shigella flexneri using fluorescent microspheres as label for immunochromatographic test strip. Annals of Translational Medicine, 2019, 7, 565-565.	1.7	10
33	Au Nanoclusters Ameliorate Shigella Infectious Colitis by Inducing Oxidative Stress. International Journal of Nanomedicine, 2021, Volume 16, 4545-4557.	6.7	8
34	Existence of virulence genes in clinical Shigella sonnei isolates from Jiangsu Province of China: a multicenter study. Annals of Translational Medicine, 2019, 7, 305-305.	1.7	8
35	Clinical Molecular Epidemiology of Carbapenem-Resistant Klebsiella pneumoniae Among Pediatric Patients in Jiangsu Province, China. Infection and Drug Resistance, 2020, Volume 13, 4627-4635.	2.7	7
36	Angong Niuhuang Wan reduces hemorrhagic transformation and mortality in ischemic stroke rats with delayed thrombolysis: involvement of peroxynitrite-mediated MMP-9 activation. Chinese Medicine, 2022, 17, 51.	4.0	7

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37	Increasing clinical resistance rate of Shigella sonnei to cefotaxime in Jiangsu Province, China, between 2012 and 2015. Annals of Translational Medicine, 2018, 6, 207-207.	1.7	6
38	Two novel mutations in parE among Shigella flexneri isolated from Jiangsu Province of China, 2016. Annals of Translational Medicine, 2018, 6, 306-306.	1.7	3
39	Preliminary exploration on the serum biomarkers of bloodstream infection with carbapenemâ€resistant Klebsiella pneumoniae based on mass spectrometry. Journal of Clinical Laboratory Analysis, 2021, 35, e23915.	2.1	3
40	The role of Î³Î´ T cells in the interaction between commensal and pathogenic bacteria in the intestinal mucosa. International Reviews of Immunology, 2023, 42, 379-392.	3.3	3
41	Diagnostic value of DACT-2 methylation in serum of prostate cancer patients. Annals of Palliative Medicine, 2021, 10, 2421-2428.	1.2	2
42	Methylation of TP53BP2 and Apaf-1 genes in embryonic lung cells and their impact on gene expression. Annals of Translational Medicine, 2018, 6, 459-459.	1.7	2