Bhanu Sinha

List of Publications by Year
in descending order

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77 papers	4,500 citations	126907 33 h-index	106344 65 g-index
87 all docs	87 docs citations	87 times ranked	4974 citing authors

#	Article	IF	Citations
1	Fibronectin-binding protein acts as Staphylococcus aureus invasin via fibronectin bridging to integrin alpha5beta1. Cellular Microbiology, 1999, 1, 101-117.	2.1	505
2	Intracellular staphylococcus aureus: Live-in and let die. Frontiers in Cellular and Infection Microbiology, 2012, 2, 43.	3.9	295
3	Fibrinogen and fibronectin binding cooperate for valve infection and invasion in Staphylococcus aureus experimental endocarditis. Journal of Experimental Medicine, 2005, 201, 1627-1635.	8.5	263
4	Heterologously Expressed Staphylococcus aureus Fibronectin-Binding Proteins Are Sufficient for Invasion of Host Cells. Infection and Immunity, 2000, 68, 6871-6878.	2.2	220
5	Diagnostic value of imaging in infective endocarditis: a systematic review. Lancet Infectious Diseases, The, 2017, 17, e1-e14.	9.1	205
6	Î±-Toxin is a mediator of Staphylococcus aureusâ€“induced cell death and activates caspases via the intrinsic death pathway independently of death receptor signaling. Journal of Cell Biology, 2001, 155, 637-648.	5.2	176
7	Cytoplasmic replication ofStaphylococcus aureusupon phagosomal escape triggered by phenol-soluble modulin Î±. Cellular Microbiology, 2014, 16, 451-465.	2.1	160
8	Multiple virulence factors are required for Staphylococcus aureus-induced apoptosis in endothelial cells. Cellular Microbiology, 2005, 7, 1087-1097.	2.1	143
9	Truncation of Fibronectin-Binding Proteins in Staphylococcus aureus Strain Newman Leads to Deficient Adherence and Host Cell Invasion Due to Loss of the Cell Wall Anchor Function. Infection and Immunity, 2004, 72, 7155-7163.	2.2	139
10	Improving the Diagnostic Performance of ¹⁸ F-Fluorodeoxyglucose Positron-Emission Tomography/Computed Tomography in Prosthetic Heart Valve Endocarditis. Circulation, 2018, 138, 1412-1427.	1.6	138
11	Staphylococcus aureus host cell invasion and post-invasion events. International Journal of Medical Microbiology, 2010, 300, 170-175.	3.6	129
12	Mechanism and consequences of invasion of endothelial cells by Staphylococcus aureus. Thrombosis and Haemostasis, 2005, 94, 266-77.	3.4	108
13	Expression of Î´-toxin by Staphylococcus aureus mediates escape from phago-endosomes of human epithelial and endothelial cells in the presence of Î²-toxin. Cellular Microbiology, 2011, 13, 316-329.	2.1	107
14	Ultralarge von Willebrand Factor Fibers Mediate LuminalStaphylococcus aureusAdhesion to an Intact Endothelial Cell Layer Under Shear Stress. Circulation, 2013, 128, 50-59.	1.6	102
15	Staphylococcus aureus ClpC Is Required for Stress Resistance, Aconitase Activity, Growth Recovery, and Death. Journal of Bacteriology, 2005, 187, 4488-4496.	2.2	95
16	Staphylococcus aureusalpha-toxin induces apoptosis in peripheral blood mononuclear cells: role of endogenous tumour necrosis factor-alpha and the mitochondrial death pathway. Cellular Microbiology, 2003, 5, 729-741.	2.1	94
17	The adhesive and immunomodulating properties of the multifunctional Staphylococcus aureus protein Eap. Microbiology (United Kingdom), 2003, 149, 2701-2707.	1.8	90
18	Caspase-2 is an initiator caspase responsible for pore-forming toxin-mediated apoptosis. EMBO Journal, 2012, 31, 2615-2628.	7.8	81

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19	Gentamicin-collagen sponge reduces sternal wound complications after heart surgery: A controlled, prospectively randomized, double-blind study. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 194-200.	0.8	75
20	An integrated stewardship model: antimicrobial, infection prevention and diagnostic (AID). Future Microbiology, 2016, 11, 93-102.	2.0	71
21	Phagolysosomal Integrity Is Generally Maintained afterStaphylococcus aureusInvasion of Nonprofessional Phagocytes but Is Modulated by Strain 6850. Infection and Immunity, 2010, 78, 3392-3403.	2.2	68
22	High-Resolution Transcriptomic Analysis of the Adaptive Response of Staphylococcus aureus during Acute and Chronic Phases of Osteomyelitis. MBio, 2014, 5, .	4.1	65
23	StaphylococcusaureusFibronectinâ€Binding Protein (FnBP)â€“Mediated Adherence to Platelets, and Aggregation of Platelets Induced by FnBPA but Not by FnBPB. Journal of Infectious Diseases, 2004, 190, 321-329.	4.0	61
24	StaphylococcusaureusFibronectin Binding Protein-A Induces Motile Attachment Sites and Complex Actin Remodeling in Living Endothelial Cells. Molecular Biology of the Cell, 2006, 17, 5198-5210.	2.1	61
25	Reduced Adherence and Host Cell Invasion by Methicillinâ€ResistantStaphylococcus aureusExpressing the Surface Protein Pls. Journal of Infectious Diseases, 2004, 189, 1574-1584.	4.0	60
26	More than One Tandem Repeat Domain of the Extracellular Adherence Protein ofStaphylococcus aureusIs Required for Aggregation, Adherence, and Host Cell Invasion but Not for Leukocyte Activation. Infection and Immunity, 2008, 76, 5615-5623.	2.2	55
27	eapGene as Novel Target for Specific Identification ofStaphylococcus aureus. Journal of Clinical Microbiology, 2008, 46, 470-476.	3.9	51
28	Financial evaluations of antibiotic stewardship programsâ€”a systematic review. Frontiers in Microbiology, 2015, 6, 317.	3.5	50
29	Fibronectin binding proteins contribute to the adherence of Staphylococcus aureus to intact endothelium in vivo. Thrombosis and Haemostasis, 2006, 96, 183-189.	3.4	44
30	A Comparison of Three Different Bioinformatics Analyses of the 16Sâ€“23S rRNA Encoding Region for Bacterial Identification. Frontiers in Microbiology, 2019, 10, 620.	3.5	42
31	Measuring the impact of antimicrobial stewardship programs. Expert Review of Anti-Infective Therapy, 2016, 14, 569-575.	4.4	41
32	A Point Mutation in the Sensor Histidine Kinase SaeS of Staphylococcus aureus Strain Newman Alters the Response to Biocide Exposure. Journal of Bacteriology, 2009, 191, 7306-7314.	2.2	40
33	Staphylococcal Alpha-Toxin Is Not Sufficient To Mediate Escape from Phagolysosomes in Upper-Airway Epithelial Cells. Infection and Immunity, 2009, 77, 3611-3625.	2.2	36
34	Marked Changes in Gut Microbiota in Cardio-Surgical Intensive Care Patients: A Longitudinal Cohort Study. Frontiers in Cellular and Infection Microbiology, 2019, 9, 467.	3.9	32
35	Preclinical studies and prospective clinical applications for bacteria-targeted imaging: the future is bright. Clinical and Translational Imaging, 2016, 4, 253-264.	2.1	30
36	Imaging infective endocarditis: Adherence to a diagnostic flowchart and direct comparison of imaging techniques. Journal of Nuclear Cardiology, 2020, 27, 592-608.	2.1	30

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37	Ischemia-reperfusion injuryâ€“induced pulmonary mitochondrial damage. Journal of Heart and Lung Transplantation, 2011, 30, 811-818.	0.6	28
38	Integrated Stewardship Model Comprising Antimicrobial, Infection Prevention, and Diagnostic Stewardship (AID Stewardship). Journal of Clinical Microbiology, 2017, 55, 3306-3307.	3.9	28
39	The anchorless adhesin Eap (extracellular adherence protein) from Staphylococcus aureus selectively recognizes extracellular matrix aggregates but binds promiscuously to monomeric matrix macromolecules. Matrix Biology, 2006, 25, 252-260.	3.6	26
40	Staphylococcal Chromosomal CassettemecType I,spaType, and Expression of Pls Are Determinants of Reduced Cellular Invasiveness of Methicillinâ€ResistantStaphylococcus aureusIsolates. Journal of Infectious Diseases, 2007, 195, 1678-1685.	4.0	26
41	Cross-border comparison of the Dutch and German guidelines on multidrug-resistant Gram-negative microorganisms. Antimicrobial Resistance and Infection Control, 2015, 4, 7.	4.1	25
42	Cost-Analysis of Seven Nosocomial Outbreaks in an Academic Hospital. PLoS ONE, 2016, 11, e0149226.	2.5	25
43	Different duration strategies of perioperative antibiotic prophylaxis in adult patients undergoing cardiac surgery: an observational study. Journal of Cardiothoracic Surgery, 2015, 10, 25.	1.1	23
44	Evaluation of early implementations of antibiotic stewardship program initiatives in nine Dutch hospitals. Antimicrobial Resistance and Infection Control, 2014, 3, 33.	4.1	22
45	Cost-Minimization Model of a Multidisciplinary Antibiotic Stewardship Team Based on a Successful Implementation on a Urology Ward of an Academic Hospital. PLoS ONE, 2015, 10, e0126106.	2.5	21
46	Complete Genome Sequence of Staphylococcus aureus 6850, a Highly Cytotoxic and Clinically Virulent Methicillin-Sensitive Strain with Distant Relatedness to Prototype Strains. Genome Announcements, 2013, 1, .	0.8	20
47	Evaluation of macrolides for possible use against multidrug-resistant Mycobacterium tuberculosis. European Respiratory Journal, 2015, 46, 444-455.	6.7	20
48	Expression of Pls (Plasmin Sensitive) inStaphylococcus aureusNegative forplsReduces Adherence and Cellular Invasion and Acts by Steric Hindrance. Journal of Infectious Diseases, 2009, 200, 107-117.	4.0	18
49	Real-life data on antibiotic prescription and sputum culture diagnostics in acute exacerbations of COPD in primary care. International Journal of COPD, 2017, Volume 12, 285-290.	2.3	18
50	Automatic day-2 intervention by a multidisciplinary antimicrobial stewardship-team leads to multiple positive effects. Frontiers in Microbiology, 2015, 06, 546.	3.5	16
51	Emerging pan-resistance in Trichosporon species: a case report. BMC Infectious Diseases, 2016, 16, 148.	2.9	16
52	Important issues for perioperative systemic antimicrobial prophylaxis in surgery. Current Opinion in Anaesthesiology, 2014, 27, 377-381.	2.0	15
53	Mapping twenty years of antimicrobial resistance research trends. Artificial Intelligence in Medicine, 2022, 123, 102216.	6.5	14
54	Sonication of heart valves detects more bacteria in infective endocarditis. Scientific Reports, 2018, 8, 12967.	3.3	13

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55	Rapid Analysis of Diagnostic and Antimicrobial Patterns in R (RadaR): Interactive Open-Source Software App for Infection Management and Antimicrobial Stewardship. Journal of Medical Internet Research, 2019, 21, e12843.	4.3	13
56	Evaluation of whole-genome sequence data analysis approaches for short- and long-read sequencing of Mycobacterium tuberculosis. Microbial Genomics, 2021, 7, .	2.0	13
57	A standardized approach to treat complex aortic valve endocarditis: a case series. Journal of Cardiothoracic Surgery, 2018, 13, 32.	1.1	12
58	Is Staphylococcus aureus an intracellular pathogen? Response. Trends in Microbiology, 2000, 8, 343-344.	7.7	11
59	Glycine preconditioning to ameliorate pulmonary ischemia reperfusion injury in rats. Interactive Cardiovascular and Thoracic Surgery, 2012, 14, 521-525.	1.1	11
60	Cross-border comparison of antibiotic prescriptions among children and adolescents between the north of the Netherlands and the north-west of Germany. Antimicrobial Resistance and Infection Control, 2016, 5, 14.	4.1	11
61	SDS Interferes with SaeS Signaling of Staphylococcus aureus Independently of SaePQ. PLoS ONE, 2013, 8, e71644.	2.5	9
62	Clonal Clusters and Virulence Factors of Methicillin-Resistant Staphylococcus Aureus: Evidence for Community-Acquired Methicillin-Resistant Staphylococcus Aureus Infiltration into Hospital Settings in Chennai, South India. Indian Journal of Medical Microbiology, 2019, 37, 326-336.	0.8	9
63	18F-FDG PET/CT in the Diagnostic Workup of Infective Endocarditis and Related Intracardiac Prosthetic Material: A Clear Message. Journal of Nuclear Medicine, 2016, 57, 1669-1671.	5.0	8
64	Genome-wide analysis reveals two novel mosaic regions containing an ACME with an identical DNA sequence in the MRSA ST398-t011 and MSSA ST8-t008 isolates. Journal of Antimicrobial Chemotherapy, 2015, 70, 1298-1302.	3.0	7
65	Combating the complex global challenge of antimicrobial resistance: what can Antimicrobial Stewardship contribute?. Gastroenterology Insights, 2017, 9, 7158.	1.2	7
66	Glutathione preconditioning ameliorates mitochondria dysfunction during warm pulmonary ischemiaâ€“reperfusion injury. European Journal of Cardio-thoracic Surgery, 2011, 41, 140-8; discussion 148.	1.4	5
67	Evaluation of an Accelerated Workflow for Surveillance of ESBL (CTX-M)-Producing Escherichia coli Using Amplicon-Based Next-Generation Sequencing and Automated Analysis. Microorganisms, 2018, 6, 6.	3.6	5
68	Toward Reliable Uptake Metrics in Large Vessel Vasculitis Studies. Diagnostics, 2021, 11, 1986.	2.6	5
69	Staphylococcal infections impair the mesothelial fibrinolytic system: The role of cell death and cytokine release. Thrombosis and Haemostasis, 2007, 98, 813-822.	3.4	4
70	Positive impact of infection prevention on the management of nosocomial outbreaks at an academic hospital. Future Microbiology, 2016, 11, 1249-1259.	2.0	4
71	Pharmacokinetic modeling of gentamicin in treatment of infective endocarditis: Model development and validation of existing models. PLoS ONE, 2017, 12, e0177324.	2.5	4
72	Challenges for a sustainable financial foundation for antimicrobial stewardship. Gastroenterology Insights, 2017, 9, 6851.	1.2	3

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73	Relationship between 18F-FDG Uptake in the Oral Cavity, Recent Dental Treatments, and Oral Inflammation or Infection: A Retrospective Study of Patients with Suspected Endocarditis. Diagnostics, 2020, 10, 625.	2.6	3
74	The tripartite insurance model (TIM): a financial incentive to prevent outbreaks of infections due to multidrug-resistant microorganisms in hospitals. Clinical Microbiology and Infection, 2021, 27, 665-667.	6.0	1
75	18F-FDG-Uptake in Mediastinal Lymph Nodes in Suspected Prosthetic Valve Endocarditis: Predictor or Confounder?. Frontiers in Cardiovascular Medicine, 2021, 8, 717774.	2.4	1
76	The Visual Dictionary of Antimicrobial Stewardship, Infection Control, and Institutional Surveillance Data. Frontiers in Microbiology, 2021, 12, 743939.	3.5	1
77	Resveratrol Ameliorates Mitochondrial and Tissue Damage in Pulmonary Ischemia Reperfusion Injur. Chest, 2011, 140, 659A.	0.8	0