

# Suresh G Joshi

## List of Publications by Year in descending order

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64  
papers

2,154  
citations

257101

24  
h-index

233125

45  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2333  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Nonthermal Dielectric-Barrier Discharge Plasma-Induced Inactivation Involves Oxidative DNA Damage and Membrane Lipid Peroxidation in <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 1053-1062.                                       | 1.4 | 395       |
| 2  | Control of methicillin-resistant <i>Staphylococcus aureus</i> in planktonic form and biofilms: A biocidal efficacy study of nonthermal dielectric-barrier discharge plasma. <i>American Journal of Infection Control</i> , 2010, 38, 293-301.                            | 1.1 | 154       |
| 3  | Nonequilibrium Plasma-Activated Antimicrobial Solutions are Broad-Spectrum and Retain their Efficacies for Extended Period of Time. <i>Plasma Processes and Polymers</i> , 2013, 10, 544-555.  | 1.6 | 107       |
| 4  | The Presence and Impact of Biofilm-Producing <i>Staphylococci</i> in Atopic Dermatitis. <i>JAMA Dermatology</i> , 2014, 150, 260.  | 2.0 | 105       |
| 5  | Biological responses of <i>Bacillus stratosphericus</i> to Floating Electrode-Dielectric Barrier Discharge Plasma Treatment. <i>Journal of Applied Microbiology</i> , 2010, 109, 2039-2048.  | 1.4 | 97        |
| 6  | Carbapenem resistance in <i>Acinetobacter baumannii</i> , and their importance in hospital-acquired infections: a scientific review. <i>Journal of Applied Microbiology</i> , 2021, 131, 2715-2738.  | 1.4 | 96        |
| 7  | An Initial Assessment of the Systemic Pharmacokinetics of Botulinum Toxin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 1343-1351.  | 1.3 | 86        |
| 8  | Nuclear Factor $\kappa$ B Protects against Host Cell Apoptosis during <i>Rickettsia rickettsii</i> Infection by Inhibiting Activation of Apical and Effector Caspases and Maintaining Mitochondrial Integrity. <i>Infection and Immunity</i> , 2003, 71, 4127-4136.      | 1.0 | 82        |
| 9  | Antimicrobial efficacy and wound-healing property of a topical ointment containing nitric-oxide-loaded zeolites. <i>Journal of Medical Microbiology</i> , 2014, 63, 203-209.   | 0.7 | 73        |
| 10 | NF- $\kappa$ B activation suppresses host cell apoptosis during <i>Rickettsia rickettsii</i> infection via regulatory effects on intracellular localization or levels of apoptogenic and anti-apoptotic proteins. <i>FEMS Microbiology Letters</i> , 2004, 234, 333-341. | 0.7 | 70        |
| 11 | Porcine intact and wounded skin responses to atmospheric nonthermal plasma. <i>Journal of Surgical Research</i> , 2013, 179, e1-e12.   | 0.8 | 67        |
| 12 | Chemical Changes in Nonthermal Plasma-Treated N-Acetylcysteine (NAC) Solution and Their Contribution to Bacterial Inactivation. <i>Scientific Reports</i> , 2016, 6, 20365.  | 1.6 | 62        |
| 13 | Atmospheric Nonthermal Plasma-Treated PBS Inactivates <i>Escherichia coli</i> by Oxidative DNA Damage. <i>PLoS ONE</i> , 2015, 10, e0139903.   | 1.1 | 49        |
| 14 | Molecular characterization of $\beta$ -lactamase genes in clinical isolates of carbapenem-resistant <i>Acinetobacter baumannii</i> . <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2017, 16, 75.   | 1.7 | 44        |
| 15 | Live Pig Skin Tissue and Wound Toxicity of Cold Plasma Treatment. <i>Plasma Medicine</i> , 2011, 1, 93-108.  | 0.2 | 42        |
| 16 | NF- $\kappa$ B activation suppresses host cell apoptosis during <i>Rickettsia rickettsii</i> infection via regulatory effects on intracellular localization or levels of apoptogenic and anti-apoptotic proteins. <i>FEMS Microbiology Letters</i> , 2004, 234, 333-341. | 0.7 | 41        |
| 17 | <i>Acinetobacter baumannii</i> : An emerging pathogenic threat to public health. <i>World Journal of Clinical Infectious Diseases</i> , 2013, 3, 25.   | 0.5 | 39        |
| 18 | Clinical and demographic features of infection caused by <i>Acinetobacter</i> species. <i>Indian Journal of Medical Sciences</i> , 2006, 60, 351.  | 0.1 | 32        |

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|----|--|-----|-----------|
| 19 | Studies on <i>Acinetobacter baumannii</i> involving multiple mechanisms of carbapenem resistance. <i>Journal of Applied Microbiology</i> , 2016, 120, 619-629.   | 1.4 | 30        |
| 20 | Involvement of multiple stressors induced by non-thermal plasma-charged aerosols during inactivation of airborne bacteria. <i>PLoS ONE</i> , 2017, 12, e0171434.   | 1.1 | 30        |
| 21 | Control of Multi-Drug-Resistant Pathogens with Non-Thermal-Plasma-Treated Alginate Wound Dressing. <i>Surgical Infections</i> , 2014, 15, 233-243.   | 0.7 | 29        |
| 22 | The Role of Systemic Handling in the Pathophysiologic Actions of Botulinum Toxin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 326, 856-863.   | 1.3 | 28        |
| 23 | Localization of the sites and characterization of the mechanisms by which anti-light chain antibodies neutralize the actions of the botulinum holotoxin. <i>Vaccine</i> , 2009, 27, 2616-2624.                     | 1.7 | 27        |
| 24 | Multidrug resistant <i>Acinetobacter baumannii</i> isolates from a teaching hospital. <i>Journal of Infection and Chemotherapy</i> , 2003, 9, 187-190.   | 0.8 | 24        |
| 25 | Analysis of the Mechanisms That Underlie Absorption of Botulinum Toxin by the Inhalation Route. <i>Infection and Immunity</i> , 2012, 80, 4133-4142.   | 1.0 | 18        |
| 26 | Prevalence of cryptococcal meningitis at a tertiary care centre in Western India (1996–2005). <i>Journal of Medical Microbiology</i> , 2006, 55, 1301-1302.  | 0.7 | 17        |
| 27 | <i>Escherichia coli</i> cellular responses to exposure to atmospheric pressure dielectric barrier discharge plasma-treated N-acetylcysteine solution. <i>Journal of Applied Microbiology</i> , 2018, 125, 383-397. | 1.4 | 17        |
| 28 | Plasmid-borne extended-spectrum $\beta$ -lactamase in a clinical isolate of <i>Acinetobacter baumannii</i> . <i>Journal of Medical Microbiology</i> , 2003, 52, 1125-1127.   | 0.7 | 15        |
| 29 | Inhibition of Biofilms by Non-Thermal Plasma Treated Novel Solutions. <i>Advances in Microbiology</i> , 2014, 04, 1188-1196.   | 0.3 | 15        |
| 30 | Interactions of <i>Rickettsia rickettsii</i> with Endothelial Nuclear Factor- $\kappa$ B in a Cell-Free System. <i>Annals of the New York Academy of Sciences</i> , 2003, 990, 635-641.                            | 1.8 | 14        |
| 31 | <i>Rickettsia rickettsii</i> infection causes apoptotic death of cultured cerebellar granule neurons. <i>Journal of Medical Microbiology</i> , 2007, 56, 138-141.  | 0.7 | 14        |
| 32 | Modulation of botulinum toxin-induced changes in neuromuscular function with antibodies directed against recombinant polypeptides or fragments. <i>Neuroscience</i> , 2011, 179, 208-222.                          | 1.1 | 14        |
| 33 | Calcium Binding-Mediated Sustained Release of Minocycline from Hydrophilic Multilayer Coatings Targeting Infection and Inflammation. <i>PLoS ONE</i> , 2014, 9, e84360.  | 1.1 | 13        |
| 34 | Rapid, label-free genetic detection of enteropathogens in stool without genetic isolation or amplification. <i>Biosensors and Bioelectronics</i> , 2019, 130, 73-80.   | 5.3 | 13        |
| 35 | Detection of biologically active botulinum neurotoxin-A in serum using high-throughput FRET-assay. <i>Journal of Pharmacological and Toxicological Methods</i> , 2012, 65, 8-12.                                   | 0.3 | 12        |
| 36 | Potential Roles for Regulatory Oxygenases in Rickettsial Pathogenesis. <i>Annals of the New York Academy of Sciences</i> , 2005, 1063, 207-214.  | 1.8 | 11        |

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|----|--|-----|-----------|
| 37 | Phenotypic ESBL Detection in <i>Acinetobacter baumannii</i> : A Real Challenge. American Journal of Infectious Diseases, 2015, 11, 48-53.  | 0.1 | 10        |
| 38 | Immunofluorescent detection of activation of initiator caspases-8 and -9 during pharmacologically induced apoptosis of cultured HeLa and endothelial cells. Histochemistry and Cell Biology, 2003, 119, 463-468.                     | 0.8 | 9         |
| 39 | The Role of Exoproteases in Governing Intraneuronal Metabolism of Botulinum Toxin. Protein Journal, 2005, 24, 155-165.   | 0.7 | 9         |
| 40 | Aerobic reduction of perchlorate by bacteria isolated in Kerala, South India. Journal of Applied Genetics, 2008, 49, 425-431.  | 1.0 | 9         |
| 41 | An increased incidence of biofilm-producing multidrug-resistant methicillin-resistant <i>Staphylococcus aureus</i> in a tertiary care hospital from India: A 2-year study. American Journal of Infection Control, 2010, 38, 165-166. | 1.1 | 9         |
| 42 | Fulminating septicemia due to persistent pan-resistant community-acquired metallo- $\beta$ -lactamase (IMP-1)-positive <i>Acinetobacter baumannii</i> . Indian Journal of Pathology and Microbiology, 2011, 54, 180.                 | 0.1 | 9         |
| 43 | Microarray Analysis of Transcriptomic Response of <i>Escherichia coli</i> to Nonthermal Plasma-Treated PBS Solution. Advances in Bioscience and Biotechnology (Print), 2015, 06, 49-62.  | 0.3 | 9         |
| 44 | PER-1-type extended-spectrum $\beta$ -lactamase-producing <i>Acinetobacter baumannii</i> clinical isolates from India. International Journal of Antimicrobial Agents, 2009, 34, 388-389.   | 1.1 | 8         |
| 45 | Alzheimers Disease: The Novel Finding of Intracellular Biofilms. Journal of Neuroinfectious Diseases, 2017, 08, .  | 0.2 | 8         |
| 46 | Penicillin: The Old/New Wonder Drug. Advanced Techniques in Biology & Medicine, 2017, 05, .  | 0.1 | 7         |
| 47 | Patient Demographics and Characteristics of Infection with Carbapenem-Resistant <i>Acinetobacter baumannii</i> in a Teaching Hospital from the United States. Advances in Infectious Diseases, 2013, 03, 10-16.                      | 0.0 | 7         |
| 48 | Lyme Disease: Beyond Erythema Migrans. Journal of Clinical & Experimental Dermatology Research, 2016, 07, .  | 0.1 | 5         |
| 49 | An Association of Pathogens and Biofilms with Alzheimer's Disease. Microorganisms, 2022, 10, 56.   | 1.6 | 5         |
| 50 | Isolation of <i>Burkholderia cenocepacia</i> J 2315 from non-cystic fibrosis pediatric patients in India. American Journal of Infection Control, 2011, 39, e21-e23.  | 1.1 | 4         |
| 51 | Arteriosclerosis: The Novel Finding of Biofilms and Innate Immune System Activity within the Plaques. Journal of Medical & Surgical Pathology, 2016, 01, .   | 0.2 | 4         |
| 52 | Effect of liquid modified by non-equilibrium atmospheric pressure plasmas on bacteria inactivation rates. , 2010, , .  |     | 3         |
| 53 | Occurrence of and risk factors for methicillin-resistant <i>Staphylococcus aureus</i> at a teaching hospital in Philadelphia. American Journal of Infection Control, 2012, 40, 381-383.  | 1.1 | 3         |
| 54 | Rhinocerebral mucormycosis in a patient with pre-B cell acute lymphoblastic leukaemia: PCR identifying <i>Rhizopus oryzae</i> from culture-negative tissue specimens. JMM Case Reports, 2014, 1, .                                   | 1.3 | 3         |

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|----|--|-----|-----------|
| 55 | Institutional MRSA screening practice and policies. American Journal of Infection Control, 2012, 40, 901.  | 1.1 | 2         |
| 56 | Induction of a viable but nonculturable state in bacteria treated with gas discharge plasma: a response to the Letter of Brelles-Mariño (2012). Journal of Applied Microbiology, 2012, 112, 414-415. | 1.4 | 2         |
| 57 | Preservation of imaging capability in sensitive ultrasound contrast agents after indirect plasma sterilization. International Journal of Pharmaceutics, 2015, 494, 146-151.                          | 2.6 | 2         |
| 58 | Nicotine and Alzheimers Disease: Mechanism for How the Fog of Smoke Increases the Fog of Dementia. Journal of Neuroinfectious Diseases, 2016, 07, .  | 0.2 | 2         |
| 59 | Evaluation of Cellular and Systemic Toxicity of Dielectric Barrier Discharge Plasma-Treated N-Acetylcysteine as Potential Antimicrobial Catheter Lock Solution. Plasma, 2021, 4, 732-744.            | 0.7 | 2         |
| 60 | Oxidation of N-Acetylcysteine (NAC) under Nanosecond-Pulsed Nonthermal Dielectric Barrier Discharge Plasma. Plasma Medicine, 2016, 6, 265-272.   | 0.2 | 1         |
| 61 | Plasma acid and its applications. , 2011, , .  |     | 0         |
| 62 | Alginate Gels Treated With Nonthermal Plasma: A Novel Wound Dressing. Journal of Surgical Research, 2012, 172, 299.  | 0.8 | 0         |
| 63 | Controlled topical delivery of nitric oxide for treating infected cutaneous wounds. , 2014, , .  |     | 0         |
| 64 | Alzheimer's disease: A Commentary on Biofilms, Beta Amyloid and their Locations. Journal of Ancient Diseases & Preventive Remedies, 2016, 04, .  | 0.2 | 0         |