# Shree R Singh

List of Publications by Year
in descending order

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|---|---|---|---|
| 69<br>papers | 3,936<br>citations | 159585<br>30<br>h-index | 118850<br>62<br>g-index |
| 69<br>all docs | 69<br>docs citations | 69<br>times ranked | 6998<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Encapsulation of Recombinant MOMP in Extended-Releasing PLGA 85:15 Nanoparticles Confer Protective Immunity Against a Chlamydia muridarum Genital Challenge and Re-Challenge. Frontiers in Immunology, 2021, 12, 660932. | 4.8 | 7 |
| 2 | Nanofiller-Enhanced Soft Non-Gelatin Alginate Capsules for Modified Drug Delivery. Pharmaceuticals, 2021, 14, 355. | 3.8 | 5 |
| 3 | Suppressors of Cytokine Signaling (SOCS)1 and SOCS3 Proteins Are Mediators of Interleukin-10 Modulation of Inflammatory Responses Induced byChlamydia muridarumand Its Major Outer Membrane Protein (MOMP) in Mouse J774 Macrophages. Mediators of Inflammation, 2020, 2020, 1-29. | 3.0 | 10 |
| 4 | Comprehensive Screening of Drug Encapsulation and Co-Encapsulation into Niosomes Produced Using a Microfluidic Device. Processes, 2020, 8, 535. | 2.8 | 16 |
| 5 | A nanovaccine formulation of Chlamydia recombinant MOMP encapsulated in PLGA 85:15 nanoparticles augments CD4+ effector (CD44high CD62Llow) and memory (CD44high CD62Lhigh) T-cells in immunized mice. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102257. | 3.3 | 13 |
| 6 | Liposomes: a promising carrier for respiratory syncytial virus therapeutics. Expert Opinion on Drug Delivery, 2019, 16, 969-980. | 5.0 | 11 |
| 7 | Antibiotic Minocycline Prevents Respiratory Syncytial Virus Infection. Viruses, 2019, 11, 739. | 3.3 | 11 |
| 8 | Fabrication of innocuous gold nanoparticles using plant cells in culture. Scientific Reports, 2019, 9, 12040. | 3.3 | 11 |
| 9 | Prolonged Release and Functionality of Interleukin-10 Encapsulated within PLA-PEG Nanoparticles. Nanomaterials, 2019, 9, 1074. | 4.1 | 17 |
| 10 | A three-dimensional human skin model to evaluate the inhibition ofStaphylococcus aureusby antimicrobial peptide-functionalized silver carbon nanotubes. Journal of Biomaterials Applications, 2019, 33, 924-934. | 2.4 | 24 |
| 11 | Future of humanChlamydiavaccine: potential of self-adjuvanting biodegradable nanoparticles as safe vaccine delivery vehicles. Expert Review of Vaccines, 2018, 17, 217-227. | 4.4 | 24 |
| 12 | Caveolin-mediated endocytosis of the Chlamydia M278 outer membrane peptide encapsulated in poly(lactic acid)-Poly(ethylene glycol) nanoparticles by mouse primary dendritic cells enhances specific immune effectors mediated by MHC class II and CD4+ T cells. Biomaterials, 2018, 159, 130-145. | 11.4 | 21 |
| 13 | The Chlamydia M278 Major Outer Membrane Peptide Encapsulated in the Poly(lactic acid)-Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /O<br>muridarum Genital Tract Challenge by Stimulating Robust Systemic and Local Mucosal Immune Responses. Frontiers in Immunology, 2018, 9, 2369. | 4.8 | 15 |
| 14 | Anti-RSV Peptide-Loaded Liposomes for the Inhibition of Respiratory Syncytial Virus. Bioengineering, 2018, 5, 37. | 3.5 | 13 |
| 15 | Proteomic analysis of antimicrobial effects of pegylated silver coated carbon nanotubes in Salmonella enterica serovar Typhimurium. Journal of Nanobiotechnology, 2018, 16, 31. | 9.1 | 15 |
| 16 | Interleukin-10 Conjugation to Carboxylated PVP-Coated Silver Nanoparticles for Improved Stability and Therapeutic Efficacy. Nanomaterials, 2017, 7, 165. | 4.1 | 63 |
| 17 | Advances in Skin Regeneration Using Tissue Engineering. International Journal of Molecular Sciences, 2017, 18, 789. | 4.1 | 458 |
| 18 | SOCS Proteins as Regulators of Inflammatory Responses Induced by Bacterial Infections: A Review. Frontiers in Microbiology, 2017, 8, 2431. | 3.5 | 77 |

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|---|---|---|---|
| 19 | The anti-microbial peptide TP359 attenuates inflammation in human lung cells infected with Pseudomonas aeruginosa via TLR5 and MAPK pathways. PLoS ONE, 2017, 12, e0176640. | 2.5 | 21 |
| 20 | Immunological challenges associated with artificial skin grafts: available solutions and stem cells in future design of synthetic skin. Journal of Biological Engineering, 2017, 11, 49. | 4.7 | 68 |
| 21 | Neuroligin 4X overexpression in human breast cancer is associated with poor relapse-free survival. PLoS ONE, 2017, 12, e0189662. | 2.5 | 9 |
| 22 | Immunogenicity of RSV F DNA Vaccine in BALB/c Mice. Advances in Virology, 2016, 2016, 1-10. | 1.1 | 8 |
| 23 | Future Prospects for Scaffolding Methods and Biomaterials in Skin Tissue Engineering: A Review. International Journal of Molecular Sciences, 2016, 17, 1974. | 4.1 | 402 |
| 24 | Gold nanorods inhibit respiratory syncytial virus by stimulating the innate immune response. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2299-2310. | 3.3 | 41 |
| 25 | Novel cationic peptide TP359 down-regulates the expression of outer membrane biogenesis genes in Pseudomonas aeruginosa: a potential TP359 anti-microbial mechanism. BMC Microbiology, 2016, 16, 192. | 3.3 | 10 |
| 26 | A novel covalent approach to bio-conjugate silver coated single walled carbon nanotubes with antimicrobial peptide. Journal of Nanobiotechnology, 2016, 14, 58. | 9.1 | 44 |
| 27 | Facile and rapid detection of respiratory syncytial virus using metallic nanoparticles. Journal of Nanobiotechnology, 2016, 14, 13. | 9.1 | 28 |
| 28 | Multifunctionally Modified Superhydrophobic Aluminum and Fabric Surfaces with Reduced Gram-Negative and Gram-Positive Bacterial Attachment: A Possible Approach for Self-Cleaning Aircraft and Crew Cabin Surfaces. Materials and Manufacturing Processes, 2016, 31, 1156-1161. | 4.7 | 9 |
| 29 | Silver-coated carbon nanotubes downregulate the expression of Pseudomonas aeruginosa virulence genes: a potential mechanism for their antimicrobial effect. International Journal of Nanomedicine, 2015, 10, 5025. | 6.7 | 29 |
| 30 | Novel pegylated silver coated carbon nanotubes kill Salmonella but they are non-toxic to eukaryotic cells. Journal of Nanobiotechnology, 2015, 13, 23. | 9.1 | 40 |
| 31 | Silver nanoparticles protect human keratinocytes against UVB radiation-induced DNA damage and apoptosis: potential for prevention of skin carcinogenesis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1265-1275. | 3.3 | 67 |
| 32 | The Complexity of Posttranscriptional Small RNA Regulatory Networks Revealed by In Silico Analysis of Gossypium arboreum L. Leaf, Flower and Boll Small Regulatory RNAs. PLoS ONE, 2015, 10, e0127468. | 2.5 | 11 |
| 33 | Nano-Encapsulated DNA and/or Protein Boost Immunizations Increase Efficiency of DNA Vaccine Protection against RSV. Journal of Nanomedicine & Nanotechnology, 2015, 03, . | 1.1 | 2 |
| 34 | Silver polyvinyl pyrrolidone nanoparticles exhibit a capsular polysaccharide influenced bactericidal effect against Streptococcus pneumoniae. Frontiers in Microbiology, 2014, 5, 665. | 3.5 | 7 |
| 35 | Atomic force microscopic investigation of respiratory syncytial virus infection in HEpâ€2 cells. Journal of Microscopy, 2014, 253, 31-41. | 1.8 | 8 |
| 36 | Poly(lactic acid)â€“poly(ethylene glycol) nanoparticles provide sustained delivery of a Chlamydia trachomatis recombinant MOMP peptide and potentiate systemic adaptive immune responses in mice. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1311-1321. | 3.3 | 42 |

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|---|---|---|---|
| 37 | Mechanics and Energetics of DNA Hybridization on Single-Walled Carbon Nanotubes Explored Using Adaptive Biasing Force Calculations. Journal of Physical Chemistry C, 2014, 118, 2209-2214. | 3.1 | 7 |
| 38 | Enhanced intracellular translocation and biodistribution of gold nanoparticles functionalized with a cell-penetrating peptide (VG-21) from vesicular stomatitis virus. Biomaterials, 2014, 35, 9484-9494. | 11.4 | 64 |
| 39 | Flavonoid Naringenin: A Potential Immunomodulator forChlamydia trachomatisInflammation. Mediators of Inflammation, 2013, 2013, 1-13. | 3.0 | 61 |
| 40 | Recent Advances in Diagnosis, Prevention, and Treatment of Human Respiratory Syncytial Virus. Advances in Virology, 2013, 2013, 1-26. | 1.1 | 39 |
| 41 | Anti-inflammatory effects of silver-polyvinyl pyrrolidone (Ag-PVP) nanoparticles in mouse macrophages infected with live Chlamydia trachomatis. International Journal of Nanomedicine, 2013, 8, 2421. | 6.7 | 44 |
| 42 | A nonviral pHEMA+chitosan nanosphere-mediated high-efficiency gene delivery system. International Journal of Nanomedicine, 2013, 8, 1403. | 6.7 | 21 |
| 43 | Formulation, characterization, and expression of a recombinant MOMP Chlamydia trachomatis DNA vaccine encapsulated in chitosan nanoparticles. International Journal of Nanomedicine, 2013, 8, 1759. | 6.7 | 23 |
| 44 | Chlamydia trachomatis recombinant MOMP encapsulated in PLGA nanoparticles triggers primarily T helper 1 cellular and antibody immune responses in mice: a desirable candidate nanovaccine. International Journal of Nanomedicine, 2013, 8, 2085. | 6.7 | 36 |
| 45 | The Anti-Inflammatory Cytokine, Interleukin-10, Inhibits Inflammatory Mediators in Human Epithelial Cells and Mouse Macrophages Exposed to Live and UV-InactivatedChlamydia trachomatis. Mediators of Inflammation, 2012, 2012, 1-10. | 3.0 | 36 |
| 46 | Functionalized carbon nanotubes: biomedical applications. International Journal of Nanomedicine, 2012, 7, 5361. | 6.7 | 293 |
| 47 | Direct Electrochemistry of Glucose Oxidase at a Gold Electrode Modified with Graphene Nanosheets. Analytical Letters, 2012, 45, 746-753. | 1.8 | 31 |
| 48 | Biodegradable PLGA85/15 nanoparticles as a delivery vehicle forChlamydia trachomatisrecombinant MOMP-187 peptide. Nanotechnology, 2012, 23, 325101. | 2.6 | 45 |
| 49 | Different Patterns of Expression and of IL-10 Modulation of Inflammatory Mediators from Macrophages of Lyme Disease-Resistant and -Susceptible Mice. PLoS ONE, 2012, 7, e43860. | 2.5 | 21 |
| 50 | Functionalized Gold Nanoparticles and Their Biomedical Applications. Nanomaterials, 2011, 1, 31-63. | 4.1 | 641 |
| 51 | A carbon nanotube immunosensor for Salmonella. AIP Advances, 2011, 1, . | 1.3 | 29 |
| 52 | Electrochemical impedance-based DNA sensor using a modified single walled carbon nanotube electrode. Materials Science and Engineering C, 2011, 31, 821-825. | 7.3 | 48 |
| 53 | Interleukin-10 Alters Effector Functions of Multiple Genes Induced by Borrelia burgdorferi in Macrophages To Regulate Lyme Disease Inflammation. Infection and Immunity, 2011, 79, 4876-4892. | 2.2 | 50 |
| 54 | A Peptide Containing T-Cell Epitopes of <i>Chlamydia trachomatis</i> Recombinant MOMP Induces Systemic and Mucosal Antibody Responses in Mice. World Journal of Vaccines, 2011, 01, 138-147. | 0.8 | 7 |

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|---|---|---|---|
| 55 | Expression and characterization of a multivalent human respiratory syncytial virus protein. Molecular Biology, 2010, 44, 420-430. | 1.3 | 6 |
| 56 | Synthesis of Ag/CNT hybrid nanoparticles and fabrication of their Nylon-6 polymer nanocomposite fibers for antimicrobial applications. Nanotechnology, 2010, 21, 095102. | 2.6 | 99 |
| 57 | Integrity of a recombinant hemagglutinin protein of an avian influenza virus. Biotechnology Letters, 2009, 31, 1511-1517. | 2.2 | 6 |
| 58 | Secondary RNA Structure and its Role in RNA Interference to Silence the Respiratory Syncytial Virus Fusion Protein Gene. Molecular Biotechnology, 2009, 43, 200-211. | 2.4 | 8 |
| 59 | Enhanced delivery and expression of a nanoencapsulated DNA vaccine vector for respiratory syncytial virus. Nanomedicine: Nanotechnology, Biology, and Medicine, 2009, 5, 463-472. | 3.3 | 44 |
| 60 | RSV fusion (F) protein DNA vaccine provides partial protection against viral infection. Virus Research, 2009, 145, 39-47. | 2.2 | 26 |
| 61 | The investigation of protein A and Salmonella antibody adsorption onto biosensor surfaces by atomic force microscopy. Biotechnology and Bioengineering, 2008, 99, 949-959. | 3.3 | 17 |
| 62 | Silver Nanoparticles Inhibit Replication of Respiratory Syncytial Virus. Journal of Biomedical Nanotechnology, 2008, 4, 149-158. | 1.1 | 149 |
| 63 | Analysis of Mesocavity DNA Biochip for Respiratory Syncytial Virus (RSV) Diagnosis. Journal of Biomedical Nanotechnology, 2007, 3, 139-147. | 1.1 | 0 |
| 64 | Immunogenicity and efficacy of recombinant RSV-F vaccine in a mouse model. Vaccine, 2007, 25, 6211-6223. | 3.8 | 36 |
| 65 | Respiratory Syncytial Virus Recombinant F Protein (Residues 255â€“278) Induces a Helper T Cell Type 1 Immune Response in Mice. Viral Immunology, 2007, 20, 261-275. | 1.3 | 14 |
| 66 | Effects of lead and chelators on growth, photosynthetic activity and Pb uptake in Sesbania drummondii grown in soil. Environmental Pollution, 2006, 144, 11-18. | 7.5 | 119 |
| 67 | Mucosal immunization with recombinant MOMP genetically linked with modified cholera toxin confers protection against Chlamydia trachomatis infection. Vaccine, 2006, 24, 1213-1224. | 3.8 | 34 |
| 68 | Interleukin-10 Anti-Inflammatory Response to Borrelia burgdorferi , the Agent of Lyme Disease: a Possible Role for Suppressors of Cytokine Signaling 1 and 3. Infection and Immunity, 2006, 74, 5780-5789. | 2.2 | 47 |
| 69 | Characterization of a Lead Hyperaccumulator Shrub,Sesbania drummondii. Environmental Science & Technology, 2002, 36, 4676-4680. | 10.0 | 178 |