

Shree R Singh

List of Publications by Year in descending order

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69
papers

3,936
citations

159585

30
h-index

118850

62
g-index

69
all docs

69
docs citations

69
times ranked

6998
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalized Gold Nanoparticles and Their Biomedical Applications. <i>Nanomaterials</i> , 2011, 1, 31-63.	4.1	641
2	Advances in Skin Regeneration Using Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2017, 18, 789.	4.1	458
3	Future Prospects for Scaffolding Methods and Biomaterials in Skin Tissue Engineering: A Review. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1974.	4.1	402
4	Functionalized carbon nanotubes: biomedical applications. <i>International Journal of Nanomedicine</i> , 2012, 7, 5361.	6.7	293
5	Characterization of a Lead Hyperaccumulator Shrub, <i>Sesbania drummondii</i> . <i>Environmental Science & Technology</i> , 2002, 36, 4676-4680.	10.0	178
6	Silver Nanoparticles Inhibit Replication of Respiratory Syncytial Virus. <i>Journal of Biomedical Nanotechnology</i> , 2008, 4, 149-158.	1.1	149
7	Effects of lead and chelators on growth, photosynthetic activity and Pb uptake in <i>Sesbania drummondii</i> grown in soil. <i>Environmental Pollution</i> , 2006, 144, 11-18.	7.5	119
8	Synthesis of Ag/CNT hybrid nanoparticles and fabrication of their Nylon-6 polymer nanocomposite fibers for antimicrobial applications. <i>Nanotechnology</i> , 2010, 21, 095102.	2.6	99
9	SOCS Proteins as Regulators of Inflammatory Responses Induced by Bacterial Infections: A Review. <i>Frontiers in Microbiology</i> , 2017, 8, 2431.	3.5	77
10	Immunological challenges associated with artificial skin grafts: available solutions and stem cells in future design of synthetic skin. <i>Journal of Biological Engineering</i> , 2017, 11, 49.	4.7	68
11	Silver nanoparticles protect human keratinocytes against UVB radiation-induced DNA damage and apoptosis: potential for prevention of skin carcinogenesis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1265-1275.	3.3	67
12	Enhanced intracellular translocation and biodistribution of gold nanoparticles functionalized with a cell-penetrating peptide (VG-21) from vesicular stomatitis virus. <i>Biomaterials</i> , 2014, 35, 9484-9494.	11.4	64
13	Interleukin-10 Conjugation to Carboxylated PVP-Coated Silver Nanoparticles for Improved Stability and Therapeutic Efficacy. <i>Nanomaterials</i> , 2017, 7, 165.	4.1	63
14	Flavonoid Naringenin: A Potential Immunomodulator for <i>Chlamydia trachomatis</i> Inflammation. <i>Mediators of Inflammation</i> , 2013, 2013, 1-13.	3.0	61
15	Interleukin-10 Alters Effector Functions of Multiple Genes Induced by <i>Borrelia burgdorferi</i> in Macrophages To Regulate Lyme Disease Inflammation. <i>Infection and Immunity</i> , 2011, 79, 4876-4892.	2.2	50
16	Electrochemical impedance-based DNA sensor using a modified single walled carbon nanotube electrode. <i>Materials Science and Engineering C</i> , 2011, 31, 821-825.	7.3	48
17	Interleukin-10 Anti-Inflammatory Response to <i>Borrelia burgdorferi</i> , the Agent of Lyme Disease: a Possible Role for Suppressors of Cytokine Signaling 1 and 3. <i>Infection and Immunity</i> , 2006, 74, 5780-5789.	2.2	47
18	Biodegradable PLGA85/15 nanoparticles as a delivery vehicle for <i>Chlamydia trachomatis</i> recombinant MOMP-187 peptide. <i>Nanotechnology</i> , 2012, 23, 325101.	2.6	45

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19	Enhanced delivery and expression of a nanoencapsulated DNA vaccine vector for respiratory syncytial virus. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009, 5, 463-472.	3.3	44
20	Anti-inflammatory effects of silver-polyvinyl pyrrolidone (Ag-PVP) nanoparticles in mouse macrophages infected with live <i>Chlamydia trachomatis</i> . <i>International Journal of Nanomedicine</i> , 2013, 8, 2421.	6.7	44
21	A novel covalent approach to bio-conjugate silver coated single walled carbon nanotubes with antimicrobial peptide. <i>Journal of Nanobiotechnology</i> , 2016, 14, 58.	9.1	44
22	Poly(lactic acid)-poly(ethylene glycol) nanoparticles provide sustained delivery of a <i>Chlamydia trachomatis</i> recombinant MOMP peptide and potentiate systemic adaptive immune responses in mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1311-1321.	3.3	42
23	Gold nanorods inhibit respiratory syncytial virus by stimulating the innate immune response. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2299-2310.	3.3	41
24	Novel pegylated silver coated carbon nanotubes kill <i>Salmonella</i> but they are non-toxic to eukaryotic cells. <i>Journal of Nanobiotechnology</i> , 2015, 13, 23.	9.1	40
25	Recent Advances in Diagnosis, Prevention, and Treatment of Human Respiratory Syncytial Virus. <i>Advances in Virology</i> , 2013, 2013, 1-26.	1.1	39
26	Immunogenicity and efficacy of recombinant RSV-F vaccine in a mouse model. <i>Vaccine</i> , 2007, 25, 6211-6223.	3.8	36
27	The Anti-Inflammatory Cytokine, Interleukin-10, Inhibits Inflammatory Mediators in Human Epithelial Cells and Mouse Macrophages Exposed to Live and UV-Inactivated <i>Chlamydia trachomatis</i> . <i>Mediators of Inflammation</i> , 2012, 2012, 1-10.	3.0	36
28	<i>Chlamydia trachomatis</i> recombinant MOMP encapsulated in PLGA nanoparticles triggers primarily T helper 1 cellular and antibody immune responses in mice: a desirable candidate nanovaccine. <i>International Journal of Nanomedicine</i> , 2013, 8, 2085.	6.7	36
29	Mucosal immunization with recombinant MOMP genetically linked with modified cholera toxin confers protection against <i>Chlamydia trachomatis</i> infection. <i>Vaccine</i> , 2006, 24, 1213-1224.	3.8	34
30	Direct Electrochemistry of Glucose Oxidase at a Gold Electrode Modified with Graphene Nanosheets. <i>Analytical Letters</i> , 2012, 45, 746-753.	1.8	31
31	A carbon nanotube immunosensor for <i>Salmonella</i> . <i>AIP Advances</i> , 2011, 1, .	1.3	29
32	Silver-coated carbon nanotubes downregulate the expression of <i>Pseudomonas aeruginosa</i> virulence genes: a potential mechanism for their antimicrobial effect. <i>International Journal of Nanomedicine</i> , 2015, 10, 5025.	6.7	29
33	Facile and rapid detection of respiratory syncytial virus using metallic nanoparticles. <i>Journal of Nanobiotechnology</i> , 2016, 14, 13.	9.1	28
34	RSV fusion (F) protein DNA vaccine provides partial protection against viral infection. <i>Virus Research</i> , 2009, 145, 39-47.	2.2	26
35	Future of human <i>Chlamydia</i> vaccine: potential of self-adjuvanting biodegradable nanoparticles as safe vaccine delivery vehicles. <i>Expert Review of Vaccines</i> , 2018, 17, 217-227.	4.4	24
36	A three-dimensional human skin model to evaluate the inhibition of <i>Staphylococcus aureus</i> by antimicrobial peptide-functionalized silver carbon nanotubes. <i>Journal of Biomaterials Applications</i> , 2019, 33, 924-934.	2.4	24

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37	Formulation, characterization, and expression of a recombinant MOMP Chlamydia trachomatis DNA vaccine encapsulated in chitosan nanoparticles. <i>International Journal of Nanomedicine</i> , 2013, 8, 1759.	6.7	23
38	A nonviral pHEMA+chitosan nanosphere-mediated high-efficiency gene delivery system. <i>International Journal of Nanomedicine</i> , 2013, 8, 1403.	6.7	21
39	The anti-microbial peptide TP359 attenuates inflammation in human lung cells infected with <i>Pseudomonas aeruginosa</i> via TLR5 and MAPK pathways. <i>PLoS ONE</i> , 2017, 12, e0176640.	2.5	21
40	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. <i>Biomaterials</i> , 2018, 159, 130-145.	11.4	21
41	Different Patterns of Expression and of IL-10 Modulation of Inflammatory Mediators from Macrophages of Lyme Disease-Resistant and -Susceptible Mice. <i>PLoS ONE</i> , 2012, 7, e43860.	2.5	21
42	The investigation of protein A and <i>Salmonella</i> antibody adsorption onto biosensor surfaces by atomic force microscopy. <i>Biotechnology and Bioengineering</i> , 2008, 99, 949-959.	3.3	17
43	Prolonged Release and Functionality of Interleukin-10 Encapsulated within PLA-PEG Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 1074.	4.1	17
44	Comprehensive Screening of Drug Encapsulation and Co-Encapsulation into Niosomes Produced Using a Microfluidic Device. <i>Processes</i> , 2020, 8, 535.	2.8	16
45	The Chlamydia M278 Major Outer Membrane Peptide Encapsulated in the Poly(lactic acid)-Poly(ethylene) Tj ETQq1 1 0.784314 rgBT muridarum Genital Tract Challenge by Stimulating Robust Systemic and Local Mucosal Immune Responses. <i>Frontiers in Immunology</i> , 2018, 9, 2369.	4.8	15
46	Proteomic analysis of antimicrobial effects of pegylated silver coated carbon nanotubes in <i>Salmonella enterica</i> serovar Typhimurium. <i>Journal of Nanobiotechnology</i> , 2018, 16, 31.	9.1	15
47	Respiratory Syncytial Virus Recombinant F Protein (Residues 255-278) Induces a Helper T Cell Type 1 Immune Response in Mice. <i>Viral Immunology</i> , 2007, 20, 261-275.	1.3	14
48	Anti-RSV Peptide-Loaded Liposomes for the Inhibition of Respiratory Syncytial Virus. <i>Bioengineering</i> , 2018, 5, 37.	3.5	13
49	A nanovaccine formulation of Chlamydia recombinant MOMP encapsulated in PLGA 85:15 nanoparticles augments CD4+ effector (CD44 ^{high} CD62L ^{low}) and memory (CD44 ^{high} CD62L ^{high}) T-cells in immunized mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102257.	3.3	13
50	Liposomes: a promising carrier for respiratory syncytial virus therapeutics. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 969-980.	5.0	11
51	Antibiotic Minocycline Prevents Respiratory Syncytial Virus Infection. <i>Viruses</i> , 2019, 11, 739.	3.3	11
52	Fabrication of innocuous gold nanoparticles using plant cells in culture. <i>Scientific Reports</i> , 2019, 9, 12040.	3.3	11
53	The Complexity of Posttranscriptional Small RNA Regulatory Networks Revealed by In Silico Analysis of <i>Gossypium arboreum</i> L. Leaf, Flower and Boll Small Regulatory RNAs. <i>PLoS ONE</i> , 2015, 10, e0127468.	2.5	11
54	Novel cationic peptide TP359 down-regulates the expression of outer membrane biogenesis genes in <i>Pseudomonas aeruginosa</i> : a potential TP359 anti-microbial mechanism. <i>BMC Microbiology</i> , 2016, 16, 192.	3.3	10

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55	Suppressors of Cytokine Signaling (SOCS)1 and SOCS3 Proteins Are Mediators of Interleukin-10 Modulation of Inflammatory Responses Induced by <i>Chlamydia muridarum</i> and Its Major Outer Membrane Protein (MOMP) in Mouse J774 Macrophages. <i>Mediators of Inflammation</i> , 2020, 2020, 1-29.	3.0	10
56	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. <i>Materials and Manufacturing Processes</i> , 2016, 31, 1156-1161.	4.7	9
57	Neuroigin 4X overexpression in human breast cancer is associated with poor relapse-free survival. <i>PLoS ONE</i> , 2017, 12, e0189662.	2.5	9
58	Secondary RNA Structure and its Role in RNA Interference to Silence the Respiratory Syncytial Virus Fusion Protein Gene. <i>Molecular Biotechnology</i> , 2009, 43, 200-211.	2.4	8
59	Atomic force microscopic investigation of respiratory syncytial virus infection in HEp-2 cells. <i>Journal of Microscopy</i> , 2014, 253, 31-41.	1.8	8
60	Immunogenicity of RSV F DNA Vaccine in BALB/c Mice. <i>Advances in Virology</i> , 2016, 2016, 1-10.	1.1	8
61	A Peptide Containing T-Cell Epitopes of <i>Chlamydia trachomatis</i> Recombinant MOMP Induces Systemic and Mucosal Antibody Responses in Mice. <i>World Journal of Vaccines</i> , 2011, 01, 138-147.	0.8	7
62	Silver polyvinyl pyrrolidone nanoparticles exhibit a capsular polysaccharide influenced bactericidal effect against <i>Streptococcus pneumoniae</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 665.	3.5	7
63	Mechanics and Energetics of DNA Hybridization on Single-Walled Carbon Nanotubes Explored Using Adaptive Biasing Force Calculations. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2209-2214.	3.1	7
64	Encapsulation of Recombinant MOMP in Extended-Releasing PLGA 85:15 Nanoparticles Confer Protective Immunity Against a <i>Chlamydia muridarum</i> Genital Challenge and Re-Challenge. <i>Frontiers in Immunology</i> , 2021, 12, 660932.	4.8	7
65	Integrity of a recombinant hemagglutinin protein of an avian influenza virus. <i>Biotechnology Letters</i> , 2009, 31, 1511-1517.	2.2	6
66	Expression and characterization of a multivalent human respiratory syncytial virus protein. <i>Molecular Biology</i> , 2010, 44, 420-430.	1.3	6
67	Nanofiller-Enhanced Soft Non-Gelatin Alginate Capsules for Modified Drug Delivery. <i>Pharmaceuticals</i> , 2021, 14, 355.	3.8	5
68	Nano-Encapsulated DNA and/or Protein Boost Immunizations Increase Efficiency of DNA Vaccine Protection against RSV. <i>Journal of Nanomedicine & Nanotechnology</i> , 2015, 03, .	1.1	2
69	Analysis of Mesocavity DNA Biochip for Respiratory Syncytial Virus (RSV) Diagnosis. <i>Journal of Biomedical Nanotechnology</i> , 2007, 3, 139-147.	1.1	0