

Shashi Singh

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,125
citations

236912

25
h-index

233409

45
g-index

46
all docs

46
docs citations

46
times ranked

5669
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Refunctionalization of Decellularized Organ Scaffold of Pancreas by Recellularization: Whole Organ Regeneration into Functional Pancreas. <i>Tissue Engineering and Regenerative Medicine</i> , 2021, 18, 99-112. | 3.7 | 15 |
| 2 | A novel quantitative assay for analysis of GLUT4 translocation using high content screening. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111032. | 5.6 | 5 |
| 3 | Tissue engineering of collagen scaffolds crosslinked with plant based polysaccharides. <i>Progress in Biomaterials</i> , 2021, 10, 29-41. | 4.5 | 15 |
| 4 | Glycans in scaffold design in tissue reconstruction. <i>Journal of Bioactive and Compatible Polymers</i> , 2021, 36, 185-196. | 2.1 | 1 |
| 5 | Tissue Engineering of Cartilage Using Collagen Scaffold Enriched with Plant Polysaccharides. <i>Cartilage</i> , 2021, , 194760352110078. | 2.7 | 4 |
| 6 | Development of islet organoids from human induced pluripotent stem cells in a cross-linked collagen scaffold. <i>Cell Regeneration</i> , 2021, 10, 38. | 2.6 | 4 |
| 7 | Generation of iPSC from fetal fibroblast cells obtained from an abortus with type-I tri-allelic variants. <i>Stem Cell Research</i> , 2020, 48, 101963. | 0.7 | 2 |
| 8 | Toxicity of TiO ₂ , SiO ₂ , ZnO, CuO, Au and Ag engineered nanoparticles on hatching and early nauplii of <i>Artemia</i> sp.. <i>PeerJ</i> , 2019, 6, e6138. | 2.0 | 28 |
| 9 | Understanding the Interaction of Nanomaterials with Living Systems: Tissue Engineering. , 2018, , 279-298. | | 1 |
| 10 | In Situ Strategy to Encapsulate Antibiotics in a Bioinspired CaCO ₃ Structure Enabling pH-Sensitive Drug Release Apt for Therapeutic and Imaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22056-22063. | 8.0 | 41 |
| 11 | Multilaboratory evaluation of 15 bioassays for (eco)toxicity screening and hazard ranking of engineered nanomaterials: FP7 project NANOVALID. <i>Nanotoxicology</i> , 2016, 10, 1229-1242. | 3.0 | 78 |
| 12 | A case study to optimise and validate the brine shrimp <i>Artemia franciscana</i> immobilisation assay with silver nanoparticles: The role of harmonisation. <i>Environmental Pollution</i> , 2016, 213, 173-183. | 7.5 | 35 |
| 13 | An interlaboratory comparison of nanosilver characterisation and hazard identification: Harmonising techniques for high quality data. <i>Environment International</i> , 2016, 87, 20-32. | 10.0 | 45 |
| 14 | Assessment of injectable and cohesive nanohydroxyapatite composites for biological functions. <i>Progress in Biomaterials</i> , 2015, 4, 31-38. | 4.5 | 1 |
| 15 | Evaluation of nano-biphasic calcium phosphate ceramics for bone tissue engineering applications: In vitro and preliminary in vivo studies. <i>Journal of Biomaterials Applications</i> , 2013, 27, 565-575. | 2.4 | 37 |
| 16 | TiO ₂ nanoparticles induce oxidative DNA damage and apoptosis in human liver cells. <i>Nanotoxicology</i> , 2013, 7, 48-60. | 3.0 | 220 |
| 17 | Synthetic adhesive oligopeptides with rigid polyhydroxylated amino acids. <i>Biopolymers</i> , 2013, 99, 273-281. | 2.4 | 2 |
| 18 | Poly(L-Lysine)@pyranine-3 coacervate mediated nanoparticle-assembly: fabrication of dynamic pH-responsive containers. <i>Chemical Communications</i> , 2012, 48, 856-858. | 4.1 | 20 |

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|----|--|------|-----------|
| 19 | Cecemia lonarensis gen. nov., sp. nov., a haloalkalitolerant bacterium of the family Cyclobacteriaceae, isolated from a haloalkaline lake and emended descriptions of the genera Indibacter, Nitritalea and Belliella. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2252-2258. | 1.7 | 34 |
| 20 | ROS-mediated genotoxicity induced by titanium dioxide nanoparticles in human epidermal cells. Toxicology in Vitro, 2011, 25, 231-241. | 2.4 | 461 |
| 21 | Titanium Dioxide Nanoparticles Induce Oxidative Stress-Mediated Apoptosis in Human Keratinocyte Cells. Journal of Biomedical Nanotechnology, 2011, 7, 100-101. | 1.1 | 80 |
| 22 | Extracellular synthesis of antibacterial silver nanoparticles using psychrophilic bacteria. Process Biochemistry, 2011, 46, 1800-1807. | 3.7 | 271 |
| 23 | Engineered ZnO and TiO ₂ nanoparticles induce oxidative stress and DNA damage leading to reduced viability of Escherichia coli. Free Radical Biology and Medicine, 2011, 51, 1872-1881. | 2.9 | 410 |
| 24 | Aggregation properties of a short peptide that mediates amyloid fibril formation in model proteins unrelated to disease. Journal of Biosciences, 2011, 36, 679-689. | 1.1 | 7 |
| 25 | Mitochondrial dysfunction and genetic heterogeneity in chronic periodontitis. Mitochondrion, 2011, 11, 504-512. | 3.4 | 48 |
| 26 | Cells Behaviour in Presence of Nano-Scaffolds. Journal of Biomedical Nanotechnology, 2011, 7, 43-44. | 1.1 | 5 |
| 27 | Cellular Response to Metal Oxide Nanoparticles in Bacteria. Journal of Biomedical Nanotechnology, 2011, 7, 102-103. | 1.1 | 18 |
| 28 | Bioinspired Silicification of Functional Materials: Fluorescent Monodisperse Mesoporous Silica Nanospheres. Chemistry of Materials, 2010, 22, 551-556. | 6.7 | 36 |
| 29 | Cellular permeation with nuclear infiltration capability of biomimetically synthesised fluorescent monodisperse mesoporous silica nanospheres in HeLa and human stem cells. Journal of Materials Chemistry, 2010, 20, 8563. | 6.7 | 12 |
| 30 | A novel nucleoid-associated protein of Mycobacterium tuberculosis is a sequence homolog of GroEL. Nucleic Acids Research, 2009, 37, 4944-4954. | 14.5 | 60 |
| 31 | Designed multi-domain protein as a carrier of nucleic acids into cells. Journal of Controlled Release, 2009, 133, 154-160. | 9.9 | 32 |
| 32 | Morphology of self-assembled structures formed by short peptides from the amyloidogenic protein tau depends on the solvent in which the peptides are dissolved. Journal of Peptide Science, 2009, 15, 675-684. | 1.4 | 27 |
| 33 | Mesenchymal cell response to nanosized biphasic calcium phosphate composites. Colloids and Surfaces B: Biointerfaces, 2009, 73, 146-151. | 5.0 | 57 |
| 34 | Morphology-Controlled Assembly of ZnO Nanostructures: A Bioinspired Method and Visible Luminescence. Chemistry - A European Journal, 2008, 14, 6421-6427. | 3.3 | 33 |
| 35 | Organic solvent mediated self-association of an amyloid forming peptide from β 2-microglobulin: An atomic force microscopy study. Biopolymers, 2008, 90, 783-791. | 2.4 | 22 |
| 36 | Silver on PEG-PU-TiO ₂ Polymer Nanocomposite Films: An Excellent System for Antibacterial Applications. Chemistry of Materials, 2008, 20, 2455-2460. | 6.7 | 192 |

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|----|--|-----|-----------|
| 37 | Cloning and expression of human islet amyloid polypeptide in cultured cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 622-628. | 2.1 | 7 |
| 38 | Photoreduction of Silver on Bare and Colloidal TiO ₂ Nanoparticles/Nanotubes: Synthesis, Characterization, and Tested for Antibacterial Outcome. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13393-13397. | 3.1 | 136 |
| 39 | Antibacterial activities of synthetic peptides corresponding to the carboxy-terminal region of human β -defensin 1-3. <i>Peptides</i> , 2006, 27, 2607-2613. | 2.4 | 56 |
| 40 | Antibacterial activity of linear peptides spanning the carboxy-terminal β -sheet domain of arthropod defensins. <i>Peptides</i> , 2006, 27, 2614-2623. | 2.4 | 25 |
| 41 | Casein-deficient mice fail to lactate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8000-8005. | 7.1 | 54 |
| 42 | Nanoparticle-Embedded Polymer: In Situ Synthesis, Free-Standing Films with Highly Monodisperse Silver Nanoparticles and Optical Limiting. <i>Chemistry of Materials</i> , 2005, 17, 9-12. | 6.7 | 283 |
| 43 | Induction of autophagic cell death in <i>Leishmania donovani</i> by antimicrobial peptides. <i>Molecular and Biochemical Parasitology</i> , 2003, 127, 23-35. | 1.1 | 146 |
| 44 | Single Disulfide and Linear Analogues Corresponding to the Carboxy-Terminal Segment of Bovine β -Defensin-2: Effects of Introducing the β -Hairpin Nucleating Sequenced-Pro-Gly on Antibacterial Activity and Biophysical Properties. <i>Biochemistry</i> , 2003, 42, 9307-9315. | 2.5 | 45 |
| 45 | Conventional estrogen receptors are found in the plasma membrane of vaginal epithelial cells of the rat. <i>Steroids</i> , 2002, 67, 757-764. | 1.8 | 8 |
| 46 | Intermediate filaments - Heterogenous expression pattern and modulation: Can their role in structure and function of the cell be ascertained?. <i>Biology of the Cell</i> , 1994, 82, 1-10. | 2.0 | 6 |