# Sourabh Shukla

List of Publications by Year
in descending order

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | COVID-19 vaccine development and a potential nanomaterial path forward. Nature Nanotechnology, 2020, 15, 646-655. | 15.6 | 501 |
| 2 | Applications of viral nanoparticles in medicine. Current Opinion in Biotechnology, 2011, 22, 901-908. | 3.3 | 260 |
| 3 | Builtâ€in Active Microneedle Patch with Enhanced Autonomous Drug Delivery. Advanced Materials, 2020, 32, e1905740. | 11.1 | 160 |
| 4 | The Impact of Aspect Ratio on the Biodistribution and Tumor Homing of Rigid Softâ€Matter Nanorods. Advanced Healthcare Materials, 2015, 4, 874-882. | 3.9 | 148 |
| 5 | Tobacco Mosaic Virus Delivery of Phenanthriplatin for Cancer therapy. ACS Nano, 2016, 10, 4119-4126. | 7.3 | 145 |
| 6 | Increased Tumor Homing and Tissue Penetration of the Filamentous Plant Viral Nanoparticle <i>Potato virus X</i>. Molecular Pharmaceutics, 2013, 10, 33-42. | 2.3 | 139 |
| 7 | CPMV-DOX Delivers. Molecular Pharmaceutics, 2013, 10, 3-10. | 2.3 | 139 |
| 8 | Titanium dioxide nanoparticle-induced oxidative stress triggers DNA damage and hepatic injury in mice. Nanomedicine, 2014, 9, 1423-1434. | 1.7 | 132 |
| 9 | Potato virus X, a filamentous plant viral nanoparticle for doxorubicin delivery in cancer therapy. Nanoscale, 2017, 9, 2348-2357. | 2.8 | 108 |
| 10 | Interior Engineering of a Viral Nanoparticle and Its Tumor Homing Properties. Biomacromolecules, 2012, 13, 3990-4001. | 2.6 | 94 |
| 11 | Dysprosium-Modified Tobacco Mosaic Virus Nanoparticles for Ultra-High-Field Magnetic Resonance and Near-Infrared Fluorescence Imaging of Prostate Cancer. ACS Nano, 2017, 11, 9249-9258. | 7.3 | 90 |
| 12 | Plant viral nanoparticles-based HER2 vaccine: Immune response influenced by differential transport, localization and cellular interactions of particulate carriers. Biomaterials, 2017, 121, 15-27. | 5.7 | 88 |
| 13 | POxylation as an alternative stealth coating for biomedical applications. European Polymer Journal, 2017, 88, 679-688. | 2.6 | 81 |
| 14 | Stealth filaments: Polymer chain length and conformation affect the in vivo fate of PEGylated potato virus X. Acta Biomaterialia, 2015, 19, 166-179. | 4.1 | 79 |
| 15 | Serum albumin â€˜camouflageâ€™ of plant virus based nanoparticles prevents their antibody recognition and enhances pharmacokinetics. Biomaterials, 2016, 89, 89-97. | 5.7 | 78 |
| 16 | Combination of Plant Virus Nanoparticle-Based in Situ Vaccination with Chemotherapy Potentiates Antitumor Response. Nano Letters, 2017, 17, 4019-4028. | 4.5 | 77 |
| 17 | The Protein Corona of Plant Virus Nanoparticles Influences their Dispersion Properties, Cellular Interactions, and In Vivo Fates. Small, 2016, 12, 1758-1769. | 5.2 | 72 |
| 18 | Polymer Structure and Conformation Alter the Antigenicity of Virus-like Particleâ€“Polymer Conjugates. Journal of the American Chemical Society, 2017, 139, 3312-3315. | 6.6 | 70 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Integrating plant molecular farming and materials research for next-generation vaccines. Nature Reviews Materials, 2022, 7, 372-388. | 23.3 | 65 |
| 20 | Physalis Mottle Virus-Like Particles as Nanocarriers for Imaging Reagents and Drugs. Biomacromolecules, 2017, 18, 4141-4153. | 2.6 | 63 |
| 21 | Biodistribution and clearance of a filamentous plant virus in healthy and tumor-bearing mice. Nanomedicine, 2014, 9, 221-235. | 1.7 | 56 |
| 22 | Heterologous Prime-Boost Enhances the Antitumor Immune Response Elicited by Plant-Virus-Based Cancer Vaccine. Journal of the American Chemical Society, 2019, 141, 6509-6518. | 6.6 | 55 |
| 23 | Plant Virus-Like Particle In Situ Vaccine for Intracranial Glioma Immunotherapy. Cancers, 2019, 11, 515. | 1.7 | 55 |
| 24 | Cowpea Mosaic Virus Immunotherapy Combined with Cyclophosphamide Reduces Breast Cancer Tumor Burden and Inhibits Lung Metastasis. Advanced Science, 2019, 6, 1802281. | 5.6 | 50 |
| 25 | Engineering of Brome mosaic virus for biomedical applications. RSC Advances, 2012, 2, 3670. | 1.7 | 49 |
| 26 | Molecular farming of fluorescent virus-based nanoparticles for optical imaging in plants, human cells and mouse models. Biomaterials Science, 2014, 2, 784. | 2.6 | 47 |
| 27 | Biodegradable Viral Nanoparticle/Polymer Implants Prepared <i>via</i> Melt-Processing. ACS Nano, 2017, 11, 8777-8789. | 7.3 | 47 |
| 28 | Cancer Theranostic Applications of Albumin-Coated Tobacco Mosaic Virus Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 39468-39477. | 4.0 | 45 |
| 29 | Antibody Response against Cowpea Mosaic Viral Nanoparticles Improves <i>In Situ</i> Vaccine Efficacy in Ovarian Cancer. ACS Nano, 2020, 14, 2994-3003. | 7.3 | 44 |
| 30 | The unique potency of Cowpea mosaic virus (CPMV) <i>in situ</i> cancer vaccine. Biomaterials Science, 2020, 8, 5489-5503. | 2.6 | 42 |
| 31 | Virusâ€based nanomaterials as positron emission tomography and magnetic resonance contrast agents: from technology development to translational medicine. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 708-721. | 3.3 | 41 |
| 32 | To Target or Not to Target: Active vs. Passive Tumor Homing of Filamentous Nanoparticles Based on Potato virus X. Cellular and Molecular Bioengineering, 2015, 8, 433-444. | 1.0 | 34 |
| 33 | Active Microneedle Administration of Plant Virus Nanoparticles for Cancer In Situ Vaccination Improves Immunotherapeutic Efficacy. ACS Applied Nano Materials, 2020, 3, 8037-8051. | 2.4 | 34 |
| 34 | Viral Nanoparticles for <em>In vivo</em> Tumor Imaging. Journal of Visualized Experiments, 2012, , e4352. | 0.2 | 30 |
| 35 | Emerging nanotechnologies for cancer immunotherapy. Experimental Biology and Medicine, 2016, 241, 1116-1126. | 1.1 | 26 |
| 36 | A Viral Nanoparticle Cancer Vaccine Delays Tumor Progression and Prolongs Survival in a HER2<sup>+</sup> Tumor Mouse Model. Advanced Therapeutics, 2019, 2, 1800139. | 1.6 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Plant Viruses and Bacteriophage-Based Reagents for Diagnosis and Therapy. Annual Review of Virology, 2020, 7, 559-587. | 3.0 | 25 |
| 38 | Presentation of HER2 epitopes using a filamentous plant virus-based vaccination platform. Journal of Materials Chemistry B, 2014, 2, 6249. | 2.9 | 24 |
| 39 | Affinity of plant viral nanoparticle potato virus X (PVX) towards malignant B cells enables cancer drug delivery. Biomaterials Science, 2020, 8, 3935-3943. | 2.6 | 21 |
| 40 | Multiple Administrations of Viral Nanoparticles Alter <i>in Vivo</i> Behaviorâ€"Insights from Intravital Microscopy. ACS Biomaterials Science and Engineering, 2016, 2, 829-837. | 2.6 | 17 |
| 41 | Cowpea Mosaic Virus (CPMV)-Based Cancer Testis Antigen NY-ESO-1 Vaccine Elicits an Antigen-Specific Cytotoxic T Cell Response. ACS Applied Bio Materials, 2020, 3, 4179-4187. | 2.3 | 16 |
| 42 | Cowpea Mosaic Virus Nanoparticle Vaccine Candidates Displaying Peptide Epitopes Can Neutralize the Severe Acute Respiratory Syndrome Coronavirus. ACS Infectious Diseases, 2021, 7, 3096-3110. | 1.8 | 16 |
| 43 | In Planta Production of Fluorescent Filamentous Plant Virus-Based Nanoparticles. Methods in Molecular Biology, 2018, 1776, 61-84. | 0.4 | 15 |
| 44 | The <i>in vivo</i> fate of tobacco mosaic virus nanoparticle theranostic agents modified by the addition of a polydopamine coat. Biomaterials Science, 2021, 9, 7134-7150. | 2.6 | 10 |
| 45 | Tobacco mosaic virus for the targeted delivery of drugs to cells expressing prostate-specific membrane antigen. RSC Advances, 2021, 11, 20101-20108. | 1.7 | 8 |
| 46 | Nanomedicine: The Protein Corona of Plant Virus Nanoparticles Influences their Dispersion Properties, Cellular Interactions, and In Vivo Fates (Small 13/2016). Small, 2016, 12, 1682-1682. | 5.2 | 4 |