

# Dipesh Khanal

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

745  
citations

687363

13  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1227  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Smart multifunctional drug delivery towards anticancer therapy harmonized in mesoporous nanoparticles. <i>Nanoscale</i> , 2015, 7, 14191-14216.   | 5.6  | 153       |
| 2  | Impact of the Food Additive Titanium Dioxide (E171) on Gut Microbiota-Host Interaction. <i>Frontiers in Nutrition</i> , 2019, 6, 57.  | 3.7  | 90        |
| 3  | High-fidelity probing of the structure and heterogeneity of extracellular vesicles by resonance-enhanced atomic force microscopy infrared spectroscopy. <i>Nature Protocols</i> , 2019, 14, 576-593.  | 12.0 | 65        |
| 4  | Dry powder pharmaceutical biologics for inhalation therapy. <i>Advanced Drug Delivery Reviews</i> , 2021, 172, 64-79.   | 13.7 | 53        |
| 5  | Biospectroscopy of Nanodiamond-Induced Alterations in Conformation of Intra- and Extracellular Proteins: A Nanoscale IR Study. <i>Analytical Chemistry</i> , 2016, 88, 7530-7538.   | 6.5  | 50        |
| 6  | None of us is the same as all of us: resolving the heterogeneity of extracellular vesicles using single-vesicle, nanoscale characterization with resonance enhanced atomic force microscope infrared spectroscopy (AFM-IR). <i>Nanoscale Horizons</i> , 2018, 3, 430-438. | 8.0  | 49        |
| 7  | Ciprofloxacin nanocrystals liposomal powders for controlled drug release via inhalation. <i>International Journal of Pharmaceutics</i> , 2019, 566, 641-651.  | 5.2  | 47        |
| 8  | Inhalable bacteriophage powders: Glass transition temperature and bioactivity stabilization. <i>Bioengineering and Translational Medicine</i> , 2020, 5, e10159.  | 7.1  | 35        |
| 9  | Dose enhancement and cytotoxicity of gold nanoparticles in colon cancer cells when irradiated with kilo- and mega-voltage radiation. <i>Bioengineering and Translational Medicine</i> , 2016, 1, 94-102.  | 7.1  | 24        |
| 10 | Placenta Stem/Stromal Cell-Derived Extracellular Vesicles for Potential Use in Lung Repair. <i>Proteomics</i> , 2019, 19, e1800166.   | 2.2  | 23        |
| 11 | Bulk to Nanometer-Scale Infrared Spectroscopy of Pharmaceutical Dry Powder Aerosols. <i>Analytical Chemistry</i> , 2020, 92, 8323-8332.   | 6.5  | 22        |
| 12 | Stimuli-sensitive fatty acid-based microparticles for the treatment of lung cancer. <i>Materials Science and Engineering C</i> , 2020, 111, 110801.   | 7.3  | 18        |
| 13 | The protein corona determines the cytotoxicity of nanodiamonds: implications of corona formation and its remodelling on nanodiamond applications in biomedical imaging and drug delivery. <i>Nanoscale Advances</i> , 2020, 2, 4798-4812.                                 | 4.6  | 17        |
| 14 | High Resolution Nanoscale Probing of Bacteriophages in an Inhalable Dry Powder Formulation for Pulmonary Infections. <i>Analytical Chemistry</i> , 2019, 91, 12760-12767.   | 6.5  | 12        |
| 15 | Nanoscale Probing of Liposome Encapsulating Drug Nanocrystal Using Atomic Force Microscopy-Infrared Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 9922-9931.  | 6.5  | 12        |
| 16 | Nanotoxicity of nanodiamond in two and three dimensional liver models. <i>International Journal of Nanotechnology</i> , 2017, 14, 133.  | 0.2  | 9         |
| 17 | Enteric-coated bacteriophage tablets for oral administration against gastrointestinal infections. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121206.  | 5.2  | 9         |
| 18 | Lorentz contact resonance spectroscopy for nanoscale characterisation of structural and mechanical properties of biological, dental and pharmaceutical materials. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 272.                             | 3.6  | 8         |

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|----|--|-----|-----------|
| 19 | Biological impact of nanodiamond particles â€“ label free, high-resolution methods for nanotoxicity assessment. <i>Nanotoxicology</i> , 2019, 13, 1210-1226.   | 3.0 | 8         |
| 20 | Can bacteriophage endolysins be nebulised for inhalation delivery against <i>Streptococcus pneumoniae</i> ?. <i>International Journal of Pharmaceutics</i> , 2020, 591, 119982.                            | 5.2 | 8         |
| 21 | Probing Chemical and Mechanical Nanodomains in Copolymer Nanorods with Correlative Atomic Force Microscopyâ€”Nanoâ€“correscopy. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700409. | 2.3 | 6         |
| 22 | Distinct Influence of Saturated Fatty Acids on Malignant and Nonmalignant Human Lung Epithelial Cells. <i>Lipids</i> , 2020, 55, 117-126.  | 1.7 | 6         |
| 23 | Co-spray dried hydrophobic drug formulations with crystalline lactose for inhalation aerosol delivery. <i>International Journal of Pharmaceutics</i> , 2021, 602, 120608.                                  | 5.2 | 6         |
| 24 | Raman spectroscopic evaluation of crystallinity, chemical composition and stability of pharmaceutical powder aerosols. <i>International Journal of Pharmaceutics</i> , 2021, 611, 121341.                  | 5.2 | 6         |
| 25 | Preparation and Characterization of Inhalable Ivermectin Powders as a Potential COVID-19 Therapy. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2022, , .                               | 1.4 | 3         |