# Navin Kumar Verma

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5239071/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 95 papers | 3,817 citations | 145106 33 h-index | 145109 60 g-index |
| 101 all docs | 101 docs citations | 101 times ranked | 8143 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A new kCa3.1 channel activator SKA-346 boosts T-cell antitumor response in the immune suppressive microenvironment. Biophysical Journal, 2022, 121, 176a. | 0.2 | 0 |
| 2 | Rationalisation of Antifungal Properties of Î±-Helical Pore-Forming Peptide, Mastoparan B. Molecules, 2022, 27, 1438. | 1.7 | 2 |
| 3 | inPhocus: Current State and Challenges of Phage Research in Singapore. Phage, 2022, 3, 6-11. | 0.8 | 0 |
| 4 | Integrated Analysis of Cancer Tissue and Vitreous Humor from Retinoblastoma Eyes Reveals Unique Tumor-Specific Metabolic and Cellular Pathways in Advanced and Non-Advanced Tumors. Cells, 2022, 11, 1668. | 1.8 | 7 |
| 5 | Prebiotics in atopic dermatitis prevention and management. Journal of Functional Foods, 2021, 78, 104352. | 1.6 | 7 |
| 6 | Covalent Cysteine Targeting of Brutonâ€™s Tyrosine Kinase (BTK) Family by Withaferin-A Reduces Survival of Glucocorticoid-Resistant Multiple Myeloma MM1 Cells. Cancers, 2021, 13, 1618. | 1.7 | 10 |
| 7 | Coreâ€“Shell Structured Antimicrobial Nanofiber Dressings Containing Herbal Extract and Antibiotics Combination for the Prevention of Biofilms and Promotion of Cutaneous Wound Healing. ACS Applied Materials & Interfaces, 2021, 13, 24356-24369. | 4.0 | 61 |
| 8 | DDX3X loss is an adverse prognostic marker in diffuse large B-cell lymphoma and is associated with chemoresistance in aggressive non-Hodgkin lymphoma subtypes. Molecular Cancer, 2021, 20, 134. | 7.9 | 9 |
| 9 | The steroidal lactone withaferin A impedes T-cell motility byÂinhibiting the kinase ZAP70 and subsequent kinome signaling. Journal of Biological Chemistry, 2021, 297, 101377. | 1.6 | 5 |
| 10 | GSK3Î² Interacts With CRMP2 and Notch1 and Controls T-Cell Motility. Frontiers in Immunology, 2021, 12, 680071. | 2.2 | 5 |
| 11 | A C-terminal peptide of TFPI-1 facilitates cytosolic delivery of nucleic acid cargo into mammalian cells. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183093. | 1.4 | 6 |
| 12 | Combination Therapy Using Inhalable GapmeR and Recombinant ACE2 for COVID-19. Frontiers in Molecular Biosciences, 2020, 7, 197. | 1.6 | 5 |
| 13 | Wound healing properties of magnesium mineralized antimicrobial nanofibre dressings containing chondroitin sulphate â€“ a comparison between blend and coreâ€“shell nanofibres. Biomaterials Science, 2020, 8, 3454-3471. | 2.6 | 22 |
| 14 | Rational Substitution of Îµ-Lysine for Î±-Lysine Enhances the Cell and Membrane Selectivity of Pore-Forming Melittin. Journal of Medicinal Chemistry, 2020, 63, 3522-3537. | 2.9 | 24 |
| 15 | Multifunctional Antimicrobial Nanofiber Dressings Containing Îµ-Polylysine for the Eradication of Bacterial Bioburden and Promotion of Wound Healing in Critically Colonized Wounds. ACS Applied Materials & Interfaces, 2020, 12, 15989-16005. | 4.0 | 69 |
| 16 | Editorial: Adaptor Protein Regulation in Immune Signalling. Frontiers in Immunology, 2020, 11, 441. | 2.2 | 1 |
| 17 | The Citrus Flavanone Hesperetin Induces Apoptosis in CTCL Cells via STAT3/Notch1/NFÎºB-Mediated Signaling Axis. Anti-Cancer Agents in Medicinal Chemistry, 2020, 20, 1459-1468. | 0.9 | 9 |
| 18 | Targeted Gene Silencing in Malignant Hematolymphoid Cells Using GapmeR. Methods in Molecular Biology, 2020, 2176, 209-219. | 0.4 | 0 |

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|---|---|---|---|
| 19 | Activation of Potassium Channel as a New Strategy to Boost Antitumour Immune Response. Biophysical Journal, 2019, 116, 249a. | 0.2 | 0 |
| 20 | Modulation of biological properties by grain refinement and surface modification on titanium surfaces for implant-related infections. Journal of Materials Science, 2019, 54, 13265-13282. | 1.7 | 15 |
| 21 | Green synthesis, characterization and antibacterial evaluation of electrospun nickel oxide nanofibers. Materials Letters, 2019, 256, 126616. | 1.3 | 34 |
| 22 | Extracellular K<sup>+</sup>Dampens T Cell Functions: Implications for Immune Suppression in the Tumor Microenvironment. Bioelectricity, 2019, 1, 169-179. | 0.6 | 17 |
| 23 | 99mTc-MAG3 diuresis renography in differentiating renal obstruction: Using statistical parameters as new quantifiable indices. Computers in Biology and Medicine, 2019, 112, 103371. | 3.9 | 0 |
| 24 | Phosphoprotein Enrichment for Protein Analysis in Motile T-Lymphocytes. Methods in Molecular Biology, 2019, 1930, 83-90. | 0.4 | 0 |
| 25 | Carbonic anhydrases in human keratinocytes and their regulation by allâ€trans retinoic acid and 1Î±,25â€dihydroxyvitamin D<sub>3</sub>. Experimental Dermatology, 2019, 28, 976-980. | 1.4 | 2 |
| 26 | Drug loaded electrospun polymer/ceramic composite nanofibrous coatings on titanium for implant related infections. Ceramics International, 2019, 45, 18710-18720. | 2.3 | 36 |
| 27 | Protective Action of Linear Polyethylenimine against Staphylococcus aureus Colonization and Exaggerated Inflammation in Vitro and in Vivo. ACS Infectious Diseases, 2019, 5, 1411-1422. | 1.8 | 8 |
| 28 | Poly-Îµ-Caprolactone/Gelatin Hybrid Electrospun Composite Nanofibrous Mats Containing Ultrasound Assisted Herbal Extract: Antimicrobial and Cell Proliferation Study. Nanomaterials, 2019, 9, 462. | 1.9 | 58 |
| 29 | CG-NAP/Kinase Interactions Fine-Tune T Cell Functions. Frontiers in Immunology, 2019, 10, 2642. | 2.2 | 6 |
| 30 | Antimicrobial properties and biocompatibility of electrospun poly-Îµ-caprolactone fibrous mats containing Gymnema sylvestre leaf extract. Materials Science and Engineering C, 2019, 98, 503-514. | 3.8 | 58 |
| 31 | Combating Microbial Contamination with Robust Polymeric Nanofibers: Elemental Effect on the Mussel-Inspired Cross-Linking of Electrospun Gelatin. ACS Applied Bio Materials, 2019, 2, 807-823. | 2.3 | 13 |
| 32 | Immunometabolomic Phenotyping of Motile T-Cells. Methods in Molecular Biology, 2019, 1930, 91-98. | 0.4 | 0 |
| 33 | Isolation of Human Peripheral Blood T-Lymphocytes. Methods in Molecular Biology, 2019, 1930, 11-17. | 0.4 | 18 |
| 34 | Quantification of T-Cell Migratory Phenotypes Using High-Content Analysis. Methods in Molecular Biology, 2019, 1930, 25-32. | 0.4 | 1 |
| 35 | Three-Dimensional Structured Illumination Microscopy (3D-SIM) to Dissect Signaling Cross-Talks in Motile T-Cells. Methods in Molecular Biology, 2019, 1930, 41-50. | 0.4 | 1 |
| 36 | GapmeR-Mediated Gene Silencing in Motile T-Cells. Methods in Molecular Biology, 2019, 1930, 67-73. | 0.4 | 1 |

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|---|---|---|---|
| 37 | A Protocol to Study T-Cell Signaling in an Immune Synapse by Microscopy. Methods in Molecular Biology, 2019, 1930, 123-128. | 0.4 | 0 |
| 38 | Enzyme-Linked Immunosorbent Assay for T-Cell Dependent Immunogenicity Assessment of Therapeutic Peptides. Methods in Molecular Biology, 2019, 1930, 129-138. | 0.4 | 0 |
| 39 | Computational Analysis of Proteinâ€“Protein Interactions in Motile T-Cells. Methods in Molecular Biology, 2019, 1930, 149-156. | 0.4 | 3 |
| 40 | Quantitative Real-Time PCR for Evaluating Transcriptional Changes in T-Lymphocytes. Methods in Molecular Biology, 2019, 1930, 59-66. | 0.4 | 1 |
| 41 | An Introduction to LFA-1/ICAM-1 Interactions in T-Cell Motility. Methods in Molecular Biology, 2019, 1930, 1-9. | 0.4 | 3 |
| 42 | Live Cell Imaging and Analysis to Capture T-Cell Motility in Real-Time. Methods in Molecular Biology, 2019, 1930, 33-40. | 0.4 | 2 |
| 43 | Real-Time Impedance-Based Detection of LFA-1-Stimulated T-Cell Transwell Chemotaxis. Methods in Molecular Biology, 2019, 1930, 51-57. | 0.4 | 1 |
| 44 | Profiling Activity of Cellular Kinases in Migrating T-Cells. Methods in Molecular Biology, 2019, 1930, 99-113. | 0.4 | 42 |
| 45 | A Laboratory Model to Study T-Cell Motility. Methods in Molecular Biology, 2019, 1930, 19-23. | 0.4 | 2 |
| 46 | Design and Syntheses of Highly Potent Teixobactin Analogues against Staphylococcus aureus, Methicillin-Resistant Staphylococcus aureus (MRSA), and Vancomycin-Resistant Enterococci (VRE) in Vitro and in Vivo. Journal of Medicinal Chemistry, 2018, 61, 2009-2017. | 2.9 | 67 |
| 47 | Quantitative mass spectrometry of human reticulocytes reveal proteomeâ€wide modifications during maturation. British Journal of Haematology, 2018, 180, 118-133. | 1.2 | 40 |
| 48 | Toll-like Receptor 3 Agonist, Polyinosinic-polycytidylic Acid, Upregulates Carbonic Anhydrase II in Human Keratinocytes. Acta Dermato-Venereologica, 2018, 98, 762-765. | 0.6 | 9 |
| 49 | Cadmium nanoparticles citrullinate cytokeratins within lung epithelial cells: cadmium as a potential cause of citrullination in chronic obstructive pulmonary disease. International Journal of COPD, 2018, Volume 13, 441-449. | 0.9 | 29 |
| 50 | Oncogenic activation of the STAT3 pathway drives PD-L1 expression in natural killer/T-cell lymphoma. Blood, 2018, 132, 1146-1158. | 0.6 | 218 |
| 51 | Antimicrobial quaternary ammonium organosilane cross-linked nanofibrous collagen scaffolds for tissue engineering. International Journal of Nanomedicine, 2018, Volume 13, 4473-4492. | 3.3 | 20 |
| 52 | Centrosome- and Golgi-Localized Protein Kinase N-Associated Protein Serves As a Docking Platform for Protein Kinase A Signaling and Microtubule Nucleation in Migrating T-Cells. Frontiers in Immunology, 2018, 9, 397. | 2.2 | 22 |
| 53 | Surface characteristics and antimicrobial properties of modified catheter surfaces by polypyrogallol and metal ions. Materials Science and Engineering C, 2018, 90, 673-684. | 3.8 | 21 |
| 54 | Melanogenesis Inhibitors. Acta Dermato-Venereologica, 2018, 98, 924-931. | 0.6 | 60 |

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| 55 | Screening of ferrocenylâ€“phosphines identifies a gold-coordinated derivative as a novel anticancer agent for hematological malignancies. RSC Advances, 2018, 8, 28960-28968. | 1.7 | 5 |
| 56 | Influence of pH on the activity of thrombin-derived antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 2374-2384. | 1.4 | 25 |
| 57 | Electrospun Linear and Branched Nanofibrous Scaffolds for Potential Therapeutic Application in Melanoma. Journal of Cancer Research and Oncobiology, 2018, 1, . | 0.1 | 0 |
| 58 | Highly Efficient Supramolecular Aggregation-Induced Emission-Active Pseudorotaxane Luminogen for Functional Bioimaging. Biomacromolecules, 2017, 18, 886-897. | 2.6 | 101 |
| 59 | Bio-inspired crosslinking and matrix-drug interactions for advanced wound dressings with long-term antimicrobial activity. Biomaterials, 2017, 138, 153-168. | 5.7 | 165 |
| 60 | Longâ€Term Realâ€Time In Vivo Drug Release Monitoring with AIE Thermogelling Polymer. Small, 2017, 13, 1603404. | 5.2 | 140 |
| 61 | AB0111â€…Cadmium nanoparticles citrullinate intracellular cytokeratins: cadmium potentially links rheumatoid arthritis to smoking and numerous working class occupations. , 2017, , . | | 0 |
| 62 | Antimicrobial Activity and Cell Selectivity of Synthetic and Biosynthetic Cationic Polymers. Antimicrobial Agents and Chemotherapy, 2017, 61, . | 1.4 | 51 |
| 63 | Not Just an Adhesion Molecule: LFA-1 Contact Tunes the T Lymphocyte Program. Journal of Immunology, 2017, 199, 1213-1221. | 0.4 | 83 |
| 64 | Pronounced peptide selectivity for melanoma through tryptophan end-tagging. Scientific Reports, 2016, 6, 24952. | 1.6 | 22 |
| 65 | Insight into membrane selectivity of linear and branched polyethylenimines and their potential as biocides for advanced wound dressings. Acta Biomaterialia, 2016, 37, 155-164. | 4.1 | 37 |
| 66 | LFA-1/ICAM-1 Ligation in Human T Cells Promotes Th1 Polarization through a GSK3Î² Signalingâ€“Dependent Notch Pathway. Journal of Immunology, 2016, 197, 108-118. | 0.4 | 64 |
| 67 | Antifungal properties of lecithin- and terbinafine-loaded electrospun poly(Îµ-caprolactone) nanofibres. RSC Advances, 2016, 6, 41130-41141. | 1.7 | 15 |
| 68 | GapmeR cellular internalization by macropinocytosis induces sequence-specific gene silencing in human primary T-cells. Scientific Reports, 2016, 6, 37721. | 1.6 | 49 |
| 69 | Bio-inspired in situ crosslinking and mineralization of electrospun collagen scaffolds for bone tissue engineering. Biomaterials, 2016, 104, 323-338. | 5.7 | 166 |
| 70 | Latent Oxidative Polymerization of Catecholamines as Potential Cross-linkers for Biocompatible and Multifunctional Biopolymer Scaffolds. ACS Applied Materials & Interfaces, 2016, 8, 32266-32281. | 4.0 | 29 |
| 71 | A comparison of catabolic pathways induced in primary macrophages by pristine single walled carbon nanotubes and pristine graphene. RSC Advances, 2016, 6, 65299-65310. | 1.7 | 13 |
| 72 | Multifunctional Polyphenols- and Catecholamines-Based Self-Defensive Films for Health Care Applications. ACS Applied Materials & Interfaces, 2016, 8, 1220-1232. | 4.0 | 68 |

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| 73 | The multi-facets of sustainable nanotechnology â€“ Lessons from a nanosafety symposium. Nanotoxicology, 2015, 9, 404-406. | 1.6 | 7 |
| 74 | Methods and strategies for the synthesis of diverse nanoparticles and their applications: a comprehensive overview. RSC Advances, 2015, 5, 105003-105037. | 1.7 | 519 |
| 75 | Abstract B81: Combretastatin (CA)-4 and its novel analogue CA-432 impair T-cell migration through the Rho/ROCK signalling pathway. , 2015, , . | | 0 |
| 76 | Combretastatin (CA)-4 and its novel analogue CA-432 impair T-cell migration through the Rho/ROCK signalling pathway. Biochemical Pharmacology, 2014, 92, 544-557. | 2.0 | 13 |
| 77 | Phosphorylation of Rab5a Protein by Protein Kinase CÏµ Is Crucial for T-cell Migration. Journal of Biological Chemistry, 2014, 289, 19420-19434. | 1.6 | 59 |
| 78 | Adaptor regulation of LFAâ€1 signaling in T lymphocyte migration: Potential druggable targets for immunotherapies?. European Journal of Immunology, 2014, 44, 3484-3499. | 1.6 | 26 |
| 79 | Magnetic core-shell nanoparticles for drug delivery by nebulization. Journal of Nanobiotechnology, 2013, 11, 1. | 4.2 | 172 |
| 80 | The microtubule targeting agent PBOX-15 inhibits integrin-mediated cell adhesion and induces apoptosis in acute lymphoblastic leukaemia cells. International Journal of Oncology, 2013, 42, 239-246. | 1.4 | 10 |
| 81 | Leukocyte Function-associated Antigen-1/Intercellular Adhesion Molecule-1 Interaction Induces a Novel Genetic Signature Resulting in T-cells Refractory to Transforming Growth Factor-Î² Signaling. Journal of Biological Chemistry, 2012, 287, 27204-27216. | 1.6 | 36 |
| 82 | Autophagy induction by silver nanowires: A new aspect in the biocompatibility assessment of nanocomposite thin films. Toxicology and Applied Pharmacology, 2012, 264, 451-461. | 1.3 | 61 |
| 83 | Cytotoxicity evaluation of nanoclays in human epithelial cell line A549 using high content screening and real-time impedance analysis. Journal of Nanoparticle Research, 2012, 14, 1. | 0.8 | 64 |
| 84 | Citrullination of proteins: a common post-translational modification pathway induced by different nanoparticles in vitro and in vivo. Nanomedicine, 2012, 7, 1181-1195. | 1.7 | 72 |
| 85 | Activation of stress-related signalling pathway in human cells upon SiO2 nanoparticles exposure as an early indicator of cytotoxicity. Journal of Nanobiotechnology, 2011, 9, 29. | 4.2 | 73 |
| 86 | Analysis of dynamic tyrosine phosphoproteome in LFAâ€1 triggered migrating tâ€cells. Journal of Cellular Physiology, 2011, 226, 1489-1498. | 2.0 | 17 |
| 87 | STAT3 knockdown by siRNA induces apoptosis in human cutaneous T-cell lymphoma line Hut78 via downregulation of Bcl-xL. Cellular and Molecular Biology Letters, 2010, 15, 342-55. | 2.7 | 41 |
| 88 | STAT3-Stathmin Interactions Control Microtubule Dynamics in Migrating T-cells. Journal of Biological Chemistry, 2009, 284, 12349-12362. | 1.6 | 90 |
| 89 | A new microtubule-targeting compound PBOX-15 inhibits T-cell migration via post-translational modifications of tubulin. Journal of Molecular Medicine, 2008, 86, 457-469. | 1.7 | 41 |
| 90 | Miltefosine induces apoptosis in arsenite-resistant Leishmania donovani promastigotes through mitochondrial dysfunction. Experimental Parasitology, 2007, 116, 1-13. | 0.5 | 91 |

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| 91 | Altered PPARÎ³ expression inhibits myogenic differentiation in C2C12 skeletal muscle cells. Molecular and Cellular Biochemistry, 2007, 294, 163-171. | 1.4 | 43 |
| 92 | The anti-leishmanial drug miltefosine causes insulin resistance in skeletal muscle cells in vitro. Diabetologia, 2006, 49, 1656-1660. | 2.9 | 21 |
| 93 | Possible Mechanism of Miltefosine-Mediated Death of Leishmania donovani. Antimicrobial Agents and Chemotherapy, 2004, 48, 3010-3015. | 1.4 | 205 |
| 94 | RNA-mediated gene silencing: mechanisms and its therapeutic applications. Journal of Clinical Pharmacy and Therapeutics, 2004, 29, 395-404. | 0.7 | 11 |
| 95 | PPAR-Î³ expression modulates insulin sensitivity in C2C12 skeletal muscle cells. British Journal of Pharmacology, 2004, 143, 1006-1013. | 2.7 | 53 |