# Vikram Saini

List of Publications by Year
in descending order



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|---|---|---|---|
| 48 papers | 1,504 citations | 279798 23 h-index | 330143 37 g-index |
| 53 all docs | 53 docs citations | 53 times ranked | 2466 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Redox homeostasis in mycobacteria: the key to tuberculosis control?. Expert Reviews in Molecular Medicine, 2011, 13, e39. | 3.9 | 153 |
| 2 | Ergothioneine Maintains Redox and Bioenergetic Homeostasis Essential for Drug Susceptibility and Virulence of Mycobacterium tuberculosis. Cell Reports, 2016, 14, 572-585. | 6.4 | 124 |
| 3 | A Systematic Approach for Developing Bacteria-Specific Imaging Tracers. Journal of Nuclear Medicine, 2017, 58, 144-150. | 5.0 | 86 |
| 4 | Polyphasic Taxonomic Analysis Establishes Mycobacterium indicus pranii as a Distinct Species. PLoS ONE, 2009, 4, e6263. | 2.5 | 78 |
| 5 | Design, synthesis, DFT, docking studies and ADME prediction of some new coumarinyl linked pyrazolylthiazoles: Potential standalone or adjuvant antimicrobial agents. PLoS ONE, 2018, 13, e0196016. | 2.5 | 71 |
| 6 | Hydrogen sulfide stimulates Mycobacterium tuberculosis respiration, growth and pathogenesis. Nature Communications, 2020, 11, 557. | 12.8 | 70 |
| 7 | Oxalate induces mitochondrial dysfunction and disrupts redox homeostasis in a human monocyte derived cell line. Redox Biology, 2018, 15, 207-215. | 9.0 | 54 |
| 8 | Ferritin H Deficiency in Myeloid Compartments Dysregulates Host Energy Metabolism and Increases Susceptibility to Mycobacterium tuberculosis Infection. Frontiers in Immunology, 2018, 9, 860. | 4.8 | 53 |
| 9 | Development of a highly effective low-cost vaporized hydrogen peroxide-based method for disinfection of personal protective equipment for their selective reuse during pandemics. Gut Pathogens, 2020, 12, 29. | 3.4 | 52 |
| 10 | Mycobacterium tuberculosisWhiB3: A Novel Ironâ€“Sulfur Cluster Protein That Regulates Redox Homeostasis and Virulence. Antioxidants and Redox Signaling, 2012, 16, 687-697. | 5.4 | 41 |
| 11 | Iron sulfur cluster proteins and microbial regulation: implications for understanding tuberculosis. Current Opinion in Chemical Biology, 2012, 16, 45-53. | 6.1 | 40 |
| 12 | Molecular Analysis of a Leprosy Immunotherapeutic Bacillus Provides Insights into Mycobacterium Evolution. PLoS ONE, 2007, 2, e968. | 2.5 | 39 |
| 13 | Heme oxygenase-1 promotes granuloma development and protects against dissemination of mycobacteria. Laboratory Investigation, 2012, 92, 1541-1552. | 3.7 | 38 |
| 14 | Impact of Clofazimine Dosing on Treatment Shortening of the First-Line Regimen in a Mouse Model of Tuberculosis. Antimicrobial Agents and Chemotherapy, 2018, 62, . | 3.2 | 37 |
| 15 | Exploring salivary diagnostics in COVID-19: a scoping review and research suggestions. BDJ Open, 2021, 7, 8. | 2.1 | 37 |
| 16 | Massive gene acquisitions in Mycobacterium indicus pranii provide a perspective on mycobacterial evolution. Nucleic Acids Research, 2012, 40, 10832-10850. | 14.5 | 36 |
| 17 | Activity of a Long-Acting Injectable Bedaquiline Formulation in a Paucibacillary Mouse Model of Latent Tuberculosis Infection. Antimicrobial Agents and Chemotherapy, 2019, 63, . | 3.2 | 36 |
| 18 | Mycobacterium tuberculosis arrests host cycle at the G1/S transition to establish long term infection. PLoS Pathogens, 2017, 13, e1006389. | 4.7 | 35 |

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|---|---|---|---|
| 19 | Microanatomic Distribution of Myeloid Heme Oxygenase-1 Protects against Free Radical-Mediated Immunopathology in Human Tuberculosis. Cell Reports, 2018, 25, 1938-1952.e5. | 6.4 | 34 |
| 20 | Dehydroacetic acid derived Schiff base as selective and sensitive colorimetric chemosensor for the detection of Cu(II) ions in aqueous medium. Microchemical Journal, 2020, 155, 104705. | 4.5 | 32 |
| 21 | Environmental Heme-Based Sensor Proteins: Implications for Understanding Bacterial Pathogenesis. Antioxidants and Redox Signaling, 2012, 17, 1232-1245. | 5.4 | 30 |
| 22 | The emerging role of gasotransmitters in the pathogenesis of tuberculosis. Nitric Oxide - Biology and Chemistry, 2016, 59, 28-41. | 2.7 | 29 |
| 23 | Host-pathogen redox dynamics modulate Mycobacterium tuberculosis pathogenesis. Pathogens and Disease, 2018, 76, . | 2.0 | 29 |
| 24 | The Physiology and Genetics of Oxidative Stress in Mycobacteria. Microbiology Spectrum, 2014, 2, . | 3.0 | 27 |
| 25 | Cinnamaldehyde regulates H<sub>2</sub>O<sub>2</sub>â€induced skeletal muscle atrophy by ameliorating the proteolytic and antioxidant defense systems. Journal of Cellular Physiology, 2019, 234, 6194-6208. | 4.1 | 27 |
| 26 | The use of the name Mycobacterium w for the leprosy immunotherapeutic bacillus creates confusion with M. tuberculosis-W (Beijing strain): A suggestion. Infection, Genetics and Evolution, 2008, 8, 100-101. | 2.3 | 23 |
| 27 | S-allyl cysteine inhibits TNFÎ±-induced skeletal muscle wasting through suppressing proteolysis and expression of inflammatory molecules. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 895-906. | 2.4 | 23 |
| 28 | Treatment-Shortening Effect of a Novel Regimen Combining Clofazimine and High-Dose Rifapentine in Pathologically Distinct Mouse Models of Tuberculosis. Antimicrobial Agents and Chemotherapy, 2019, 63, . | 3.2 | 23 |
| 29 | Metal organic framework as â€œturn-onâ€•fluorescent sensor for Zr(IV) ions and selective adsorbent for organic dyes. Microchemical Journal, 2021, 171, 106824. | 4.5 | 22 |
| 30 | Adjunct antibody administration with standard treatment reduces relapse rates in a murine tuberculosis model of necrotic granulomas. PLoS ONE, 2018, 13, e0197474. | 2.5 | 15 |
| 31 | Development of a potent invigorator of immune responses endowed with both preventive and therapeutic properties. Biologics: Targets and Therapy, 2017, Volume 11, 55-63. | 3.2 | 14 |
| 32 | Synthesis, characterization and utility of a series of novel copper(<scp>ii</scp>) complexes as excellent surface disinfectants against nosocomial infections. Dalton Transactions, 2021, 50, 13699-13711. | 3.3 | 14 |
| 33 | Oxalate Alters Cellular Bioenergetics, Redox Homeostasis, Antibacterial Response, and Immune Response in Macrophages. Frontiers in Immunology, 2021, 12, 694865. | 4.8 | 13 |
| 34 | Impact and prognosis of the expression of IFN-Î± among tuberculosis patients. PLoS ONE, 2020, 15, e0235488. | 2.5 | 12 |
| 35 | Mycobacterium tuberculosis H2S Functions as a Sink to Modulate Central Metabolism, Bioenergetics, and Drug Susceptibility. Antioxidants, 2021, 10, 1285. | 5.1 | 9 |
| 36 | S-allyl cysteine: A potential compound against skeletal muscle atrophy. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129676. | 2.4 | 7 |

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|---|---|---|---|
| 37 | A Cold Chain-Independent Specimen Collection and Transport Medium Improves Diagnostic Sensitivity and Minimizes Biosafety Challenges of COVID-19 Molecular Diagnosis. Microbiology Spectrum, 2021, 9, e0110821. | 3.0 | 6 |
| 38 | Meckelâ€“Gruber syndrome: ultrasonographic and fetal autopsy correlation. Journal of Ultrasound, 2017, 20, 167-170. | 1.3 | 5 |
| 39 | Targeting endogenous gaseous signaling molecules as novel host-directed therapies against tuberculosis infection. Free Radical Research, 2021, 55, 655-670. | 3.3 | 5 |
| 40 | Mechanistic Insights into the Role of Hydrogen Sulfide in Mycobacterial Disease and Persistence. Free Radical Biology and Medicine, 2013, 65, S62. | 2.9 | 0 |
| 41 | Proteinâ€“Protein Interaction in the -Omics Era: Understanding Mycobacterium tuberculosis Function. , 2013, , 79-106. | | 0 |
| 42 | Hydrogen Sulfide Alters M. Tuberculosis Bioenergetics and Promotes Tuberculosis Disease. Free Radical Biology and Medicine, 2015, 87, S141. | 2.9 | 0 |
| 43 | Oxalate Suppresses Macrophage Immunometabolism and Anti-bacterial response to Uropathogenic E.coli (UPEC) infection. Free Radical Biology and Medicine, 2020, 159, S45. | 2.9 | 0 |
| 44 | The Physiology and Genetics of Oxidative Stress in Mycobacteria. , 0, , 297-322. | | 0 |
| 45 | Impact and prognosis of the expression of IFN-Î± among tuberculosis patients. , 2020, 15, e0235488. | | 0 |
| 46 | Impact and prognosis of the expression of IFN-Î± among tuberculosis patients. , 2020, 15, e0235488. | | 0 |
| 47 | Impact and prognosis of the expression of IFN-Î± among tuberculosis patients. , 2020, 15, e0235488. | | 0 |
| 48 | Impact and prognosis of the expression of IFN-Î± among tuberculosis patients. , 2020, 15, e0235488. | | 0 |