

# Deepak Kumar Saini

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

865  
citations

623734

14  
h-index

501196

28  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mycobacterium tuberculosis PknK Substrate Profiling Reveals Essential Transcription Terminator Protein Rho and Two-Component Response Regulators PrrA and MtrA as Novel Targets for Phosphorylation. <i>Microbiology Spectrum</i> , 2022, 10, e0135421.	3.0	5
2	Mobile Nanobots for Prevention of Root Canal Treatment Failure. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200232.	7.6	19
3	Cell adhesion strength and tractions are mechano-diagnostic features of cellular invasiveness. <i>Soft Matter</i> , 2022, 18, 4378-4388.	2.7	6
4	Rapid Discrimination of Bacterial Drug Resistivity by Array-Based Cross-Validation Using 2D MoS <sub>2</sub> . <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	8
5	Senescent cells in 3D culture show suppressed senescence signatures. <i>Biomaterials Science</i> , 2021, 9, 6461-6473.	5.4	10
6	A matrix targeted fluorescent probe to monitor mitochondrial dynamics. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 801-808.	2.8	10
7	Cyclic di-GMP sensing histidine kinase PdtA controls mycobacterial adaptation to carbon sources. <i>FASEB Journal</i> , 2021, 35, e21475.	0.5	12
8	Machine Learning-Assisted Array-Based Detection of Proteins in Serum Using Functionalized MoS <sub>2</sub> Nanosheets and Green Fluorescent Protein Conjugates. <i>ACS Applied Nano Materials</i> , 2021, 4, 3843-3851.	5.0	15
9	Aging associated altered response to intracellular bacterial infections and its implication on the host. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119063.	4.1	5
10	A Low-Prevalence Single-Nucleotide Polymorphism in the Sensor Kinase PhoR in Mycobacterium tuberculosis Suppresses Its Autophosphatase Activity and Reduces Pathogenic Fitness: Implications in Evolutionary Selection. <i>Frontiers in Microbiology</i> , 2021, 12, 724482.	3.5	5
11	A high-frequency single nucleotide polymorphism in the MtrB sensor kinase in clinical strains of Mycobacterium tuberculosis alters its biochemical and physiological properties. <i>PLoS ONE</i> , 2021, 16, e0256664.	2.5	2
12	Evaluation of spike protein antigens for SARS-CoV-2 serology. <i>Journal of Virological Methods</i> , 2021, 296, 114222.	2.1	10
13	The ERK-p38MAPK-STAT3 Signalling Axis Regulates iNOS Expression and Salmonella Infection in Senescent Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 744013.	3.9	6
14	Role of Complementary and Alternative Medicine in the Management of Cancer Cachexia. <i>Asia-Pacific Journal of Oncology Nursing</i> , 2021, 8, 539-546.	1.6	0
15	A universal stress protein in Mycobacterium smegmatis sequesters the cAMP-regulated lysine acyltransferase and is essential for biofilm formation. <i>Journal of Biological Chemistry</i> , 2020, 295, 1500-1516.	3.4	10
16	Rapid detection of bacterial infection and viability assessment with high specificity and sensitivity using Raman microspectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2505-2516.	3.7	26
17	Acetylation of Response Regulator Protein MtrA in M. tuberculosis Regulates Its Repressor Activity. <i>Frontiers in Microbiology</i> , 2020, 11, 516315.	3.5	13
18	NU-6027 Inhibits Growth of Mycobacterium tuberculosis by Targeting Protein Kinase D and Protein Kinase G. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	34

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19	LipidII interaction with specific residues of Mycobacterium tuberculosis PknB extracytoplasmic domain governs its optimal activation. <i>Nature Communications</i> , 2019, 10, 1231.	12.8	42
20	Acetylation of Response Regulator Proteins, TcrX and MtrA in M. tuberculosis Tunes their Phosphotransfer Ability and Modulates Two-Component Signaling Crosstalk. <i>Journal of Molecular Biology</i> , 2019, 431, 777-793.	4.2	14
21	Clampdown of inflammation in aging and anticancer therapies by limiting upregulation and activation of GPCR, CXCR4. <i>Npj Aging and Mechanisms of Disease</i> , 2018, 4, 9.	4.5	8
22	G protein Signaling, Journeys Beyond the Plasma Membrane. <i>Journal of the Indian Institute of Science</i> , 2017, 97, 95-108.	1.9	7
23	FLUORO/NO: A Nitric Oxide Donor with a Fluorescence Reporter. <i>ChemBioChem</i> , 2017, 18, 1529-1534.	2.6	11
24	A small molecule for theraNOstic targeting of cancer cells. <i>Chemical Communications</i> , 2017, 53, 13352-13355.	4.1	18
25	ATM-ROS-iNOS axis regulates nitric oxide mediated cellular senescence. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 177-190.	4.1	20
26	FRET reveals multiple interaction states between two component signalling system proteins of M. tuberculosis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1498-1507.	2.4	5
27	Cross-talk and specificity in two-component signal transduction pathways. <i>Future Microbiology</i> , 2016, 11, 685-697.	2.0	36
28	ERK activated by Histamine H1 receptor is anti-proliferative through spatial restriction in the cytosol. <i>European Journal of Cell Biology</i> , 2016, 95, 623-634.	3.6	15
29	Approaching a diagnostic point-of-care test for pediatric tuberculosis through evaluation of immune biomarkers across the clinical disease spectrum. <i>Scientific Reports</i> , 2016, 6, 18520.	3.3	25
30	A molecular beacon-based DNA switch for reversible pH sensing in vesicles and live cells. <i>Chemical Communications</i> , 2016, 52, 8741-8744.	4.1	25
31	Stimuli-responsive colorimetric and NIR fluorescence combination probe for selective reporting of cellular hydrogen peroxide. <i>Chemical Science</i> , 2016, 7, 2832-2841.	7.4	93
32	Temporally distinct roles of ATM and ROS in genotoxic-stress-dependent induction and maintenance of cellular senescence. <i>Journal of Cell Science</i> , 2015, 128, 342-353.	2.0	32
33	Rv1027 and Rv1028c encode functional KdpDE two-component system in Mycobacterium tuberculosis. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 1172-1178.	2.1	13
34	A serpentine way to signaling. <i>Resonance</i> , 2013, 18, 530-542.	0.3	0
35	High-Throughput Microplate Phosphorylation Assays Based on DevR-DevS/Rv2027c 2-Component Signal Transduction Pathway to Screen for Novel Antitubercular Compounds. <i>Journal of Biomolecular Screening</i> , 2005, 10, 215-224.	2.6	27
36	DevR-DevS is a bona fide two-component system of Mycobacterium tuberculosis that is hypoxia-responsive in the absence of the DNA-binding domain of DevR. <i>Microbiology (United Kingdom)</i> , 2004, 150, 865-875.	1.8	154

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37	Cross talk between DevS sensor kinase homologue, Rv2027c, and DevR response regulator of Mycobacterium tuberculosis. FEBS Letters, 2004, 565, 75-80.	2.8	85
38	Cloning, Overexpression, Purification, and Matrix-Assisted Refolding of DevS (Rv 3132c) Histidine Protein Kinase of Mycobacterium tuberculosis. Protein Expression and Purification, 2002, 25, 203-208.	1.3	39