

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	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
2	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
3	Cross talk between DevS sensor kinase homologue, Rv2027c, and DevR response regulator of Mycobacterium tuberculosis. <i>FEBS Letters</i> , 2004, 565, 75-80.	2.8	85
4	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
5	Cloning, Overexpression, Purification, and Matrix-Assisted Refolding of DevS (Rv 3132c) Histidine Protein Kinase of Mycobacterium tuberculosis. <i>Protein Expression and Purification</i> , 2002, 25, 203-208.	1.3	39
6	Cross-talk and specificity in two-component signal transduction pathways. <i>Future Microbiology</i> , 2016, 11, 685-697.	2.0	36
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	Mobile Nanobots for Prevention of Root Canal Treatment Failure. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200232.	7.6	19
15	A small molecule for theraNOstic targeting of cancer cells. <i>Chemical Communications</i> , 2017, 53, 13352-13355.	4.1	18
16	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
17	Machine Learning-Assisted Array-Based Detection of Proteins in Serum Using Functionalized MoS ₂ Nanosheets and Green Fluorescent Protein Conjugates. <i>ACS Applied Nano Materials</i> , 2021, 4, 3843-3851.	5.0	15
18	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

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19	Rv1027&Rv1028c encode functional KdpDE two " Component system in Mycobacterium tuberculosis. Biochemical and Biophysical Research Communications, 2014, 446, 1172-1178.	2.1	13
20	Acetylation of Response Regulator Protein MtrA in M. tuberculosis Regulates Its Repressor Activity. Frontiers in Microbiology, 2020, 11, 516315.	3.5	13
21	Cyclic di&GMP sensing histidine kinase PdtaS controls mycobacterial adaptation to carbon sources. FASEB Journal, 2021, 35, e21475.	0.5	12
22	FLUORO/NO: A Nitric Oxide Donor with a Fluorescence Reporter. ChemBioChem, 2017, 18, 1529-1534.	2.6	11
23	A universal stress protein in Mycobacterium smegmatis sequesters the cAMP-regulated lysine acyltransferase and is essential for biofilm formation. Journal of Biological Chemistry, 2020, 295, 1500-1516.	3.4	10
24	Senescent cells in 3D culture show suppressed senescence signatures. Biomaterials Science, 2021, 9, 6461-6473.	5.4	10
25	A matrix targeted fluorescent probe to monitor mitochondrial dynamics. Organic and Biomolecular Chemistry, 2021, 19, 801-808.	2.8	10
26	Evaluation of spike protein antigens for SARS-CoV-2 serology. Journal of Virological Methods, 2021, 296, 114222.	2.1	10
27	Clampdown of inflammation in aging and anticancer therapies by limiting upregulation and activation of GPCR, CXCR4. Npj Aging and Mechanisms of Disease, 2018, 4, 9.	4.5	8
28	Rapid Discrimination of Bacterial Drug Resistivity by Array&Based Cross&Validation Using 2D MoS₂. Chemistry - A European Journal, 2022, 28, .	3.3	8
29	G protein Signaling, Journeys Beyond the Plasma Membrane. Journal of the Indian Institute of Science, 2017, 97, 95-108.	1.9	7
30	The ERK-p38MAPK-STAT3 Signalling Axis Regulates iNOS Expression and Salmonella Infection in Senescent Cells. Frontiers in Cellular and Infection Microbiology, 2021, 11, 744013.	3.9	6
31	Cell adhesion strength and tractions are mechano-diagnostic features of cellular invasiveness. Soft Matter, 2022, 18, 4378-4388.	2.7	6
32	FRET reveals multiple interaction states between two component signalling system proteins of M. tuberculosis. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1498-1507.	2.4	5
33	Aging associated altered response to intracellular bacterial infections and its implication on the host. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119063.	4.1	5
34	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. Frontiers in Microbiology, 2021, 12, 724482.	3.5	5
35	Mycobacterium tuberculosis PknK Substrate Profiling Reveals Essential Transcription Terminator Protein Rho and Two-Component Response Regulators PrrA and MtrA as Novel Targets for Phosphorylation. Microbiology Spectrum, 2022, 10, e0135421.	3.0	5
36	A high-frequency single nucleotide polymorphism in the MtrB sensor kinase in clinical strains of Mycobacterium tuberculosis alters its biochemical and physiological properties. PLoS ONE, 2021, 16, e0256664.	2.5	2

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37	A serpentine way to signaling. Resonance, 2013, 18, 530-542.	0.3	0
38	Role of Complementary and Alternative Medicine in the Management of Cancer Cachexia. Asia-Pacific Journal of Oncology Nursing, 2021, 8, 539-546.	1.6	0