

# Seyed E Hasnain

## List of Publications by Year in descending order

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220  
papers

7,538  
citations

66343

42  
h-index

91884

69  
g-index

228  
all docs

228  
docs citations

228  
times ranked

8243  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 variants of concern are emerging in India. <i>Nature Medicine</i> , 2021, 27, 1131-1133.	30.7	310
2	Biofilms: Survival and defense strategy for pathogens. <i>International Journal of Medical Microbiology</i> , 2017, 307, 481-489.	3.6	250
3	Genetic analysis of traditional and evolved Basmati and non-Basmati rice varieties by using fluorescence-based ISSR-PCR and SSR markers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5836-5841.	7.1	196
4	The PPE18 of <i>Mycobacterium tuberculosis</i> Interacts with TLR2 and Activates IL-10 Induction in Macrophage. <i>Journal of Immunology</i> , 2009, 183, 6269-6281.	0.8	189
5	Genomic fluidity and pathogenic bacteria: applications in diagnostics, epidemiology and intervention. <i>Nature Reviews Microbiology</i> , 2008, 6, 387-394.	28.6	171
6	Phosphorylation of Serine 51 in Initiation Factor 2 $\pm$ (eIF2 $\pm$ ) Promotes Complex Formation between eIF2 $\pm$ (P) and eIF2B and Causes Inhibition in the Guanine Nucleotide Exchange Activity of eIF2B. <i>Biochemistry</i> , 2000, 39, 12929-12938.	2.5	162
7	Beneficial effects of lamivudine in hepatitis B virus-related decompensated cirrhosis. <i>Journal of Hepatology</i> , 2000, 33, 308-312.	3.7	152
8	The PE/PPE multigene family codes for virulence factors and is a possible source of mycobacterial antigenic variation: Perhaps more?. <i>Biochimie</i> , 2012, 94, 110-116.	2.6	149
9	Molecular Characterization of Multidrug-Resistant Isolates of <i>Mycobacterium tuberculosis</i> from Patients in North India. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 443-450.	3.2	143
10	PPE Antigen Rv2430c of <i>Mycobacterium tuberculosis</i> Induces a Strong B-Cell Response. <i>Infection and Immunity</i> , 2003, 71, 6338-6343.	2.2	126
11	SARS-CoV-2 and COVID-19: A genetic, epidemiological, and evolutionary perspective. <i>Infection, Genetics and Evolution</i> , 2020, 84, 104384.	2.3	115
12	Structure-Function Analyses of New SARS-CoV-2 Variants B.1.1.7, B.1.351 and B.1.1.28.1: Clinical, Diagnostic, Therapeutic and Public Health Implications. <i>Viruses</i> , 2021, 13, 439.	3.3	107
13	Predominance of Ancestral Lineages of <i>Mycobacterium tuberculosis</i> in India. <i>Emerging Infectious Diseases</i> , 2006, 12, 1367-1374.	4.3	106
14	Baculovirus as Mammalian Cell Expression Vector for Gene Therapy: An Emerging Strategy. <i>Molecular Therapy</i> , 2002, 6, 5-11.	8.2	91
15	Iron-Dependent RNA-Binding Activity of <i>Mycobacterium tuberculosis</i> Aconitase. <i>Journal of Bacteriology</i> , 2007, 189, 4046-4052.	2.2	90
16	Correlations of Genotype with Phenotype in Indian Patients with Primary Congenital Glaucoma. , 2004, 45, 1149.		86
17	Regions of High Antigenicity within the Hypothetical PPE Major Polymorphic Tandem Repeat Open-Reading Frame, Rv2608, Show a Differential Humoral Response and a Low T Cell Response in Various Categories of Patients with Tuberculosis. <i>Journal of Infectious Diseases</i> , 2004, 190, 1237-1244.	4.0	85
18	The extracytoplasmic function sigma factors: role in bacterial pathogenesis. <i>Infection, Genetics and Evolution</i> , 2004, 4, 301-308.	2.3	85

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19	Mycobacterium tuberculosis Co-operonic PE32/PPE65 Proteins Alter Host Immune Responses by Hampering Th1 Response. <i>Frontiers in Microbiology</i> , 2016, 7, 719.	3.5	80
20	The Co-Operonic PE25/PPE41 Protein Complex of Mycobacterium tuberculosis Elicits Increased Humoral and Cell Mediated Immune Response. <i>PLoS ONE</i> , 2008, 3, e3586.	2.5	79
21	Polyphasic Taxonomic Analysis Establishes Mycobacterium indicus pranii as a Distinct Species. <i>PLoS ONE</i> , 2009, 4, e6263.	2.5	78
22	Clusters of PE and PPE genes of <i>Mycobacterium tuberculosis</i> are organized in operons: Evidence that PE Rv2431c is co-transcribed with PPE Rv2430c and their gene products interact with each other. <i>FEBS Letters</i> , 2006, 580, 1285-1293.	2.8	75
23	Characterization of the kafirin gene family from sorghum reveals extensive homology with zein from maize. <i>Plant Molecular Biology</i> , 1989, 12, 245-256.	3.9	72
24	Possible Link between Higher Transmissibility of Alpha, Kappa and Delta Variants of SARS-CoV-2 and Increased Structural Stability of Its Spike Protein and hACE2 Affinity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9131.	4.1	68
25	Mycobacterium tuberculosis (Mtb) isocitrate dehydrogenases show strong B cell response and distinguish vaccinated controls from TB patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12652-12657.	7.1	67
26	The PGRS Domain of Mycobacterium tuberculosis PE_PGRS Protein Rv0297 Is Involved in Endoplasmic Reticulum Stress-Mediated Apoptosis through Toll-Like Receptor 4. <i>MBio</i> , 2018, 9, .	4.1	67
27	Vertical transmission of hepatitis B virus despite maternal lamivudine therapy. <i>Lancet</i> , The, 2002, 359, 1488-1489.	13.7	64
28	Comparative Analyses of Nonpathogenic, Opportunistic, and Totally Pathogenic Mycobacteria Reveal Genomic and Biochemical Variabilities and Highlight the Survival Attributes of Mycobacterium tuberculosis. <i>MBio</i> , 2014, 5, e02020.	4.1	64
29	Host-pathogen interactions during apoptosis. <i>Journal of Biosciences</i> , 2003, 28, 349-358.	1.1	63
30	<i>Mycobacterium tuberculosis</i> PE25/PPE41 protein complex induces necrosis in macrophages: Role in virulence and disease reactivation?. <i>FEBS Open Bio</i> , 2014, 4, 822-828.	2.3	63
31	Identification of novel mutations causing familial primary congenital glaucoma in Indian pedigrees. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 1358-66.	3.3	63
32	Comparative genomic and proteomic analyses of PE/PPE multigene family of Mycobacterium tuberculosis H37Rv and H37Ra reveal novel and interesting differences with implications in virulence. <i>Nucleic Acids Research</i> , 2012, 40, 7113-7122.	14.5	59
33	Specific Immunoassays Confirm Association of Mycobacterium avium Subsp. paratuberculosis with Type-1 but Not Type-2 Diabetes Mellitus. <i>PLoS ONE</i> , 2009, 4, e4386.	2.5	58
34	Interleukin-10 (IL-10) mediated suppression of IL-12 production in RAW 264.7 cells also involves c-rel transcription factor. <i>Immunology</i> , 2005, 114, 313-321.	4.4	56
35	Emerging genetic diversity among clinical isolates of SARS-CoV-2: Lessons for today. <i>Infection, Genetics and Evolution</i> , 2020, 84, 104330.	2.3	54
36	Identification of R368H as a Predominant CYP1B1 Allele Causing Primary Congenital Glaucoma in Indian Patients. , 2003, 44, 4200.		51

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37	Mechanistic Insights into a Novel Exporter-Importer System of <i>Mycobacterium tuberculosis</i> Unravel Its Role in Trafficking of Iron. <i>PLoS ONE</i> , 2008, 3, e2087.	2.5	51
38	Gene cooption in <i>Mycobacteria</i> and search for virulence attributes: Comparative proteomic analyses of <i>Mycobacterium tuberculosis</i> , <i>Mycobacterium indicus pranii</i> and other mycobacteria. <i>International Journal of Medical Microbiology</i> , 2014, 304, 742-748.	3.6	51
39	Peptidyl-prolyl isomerase-B is involved in <i>Mycobacterium tuberculosis</i> biofilm formation and a generic target for drug repurposing-based intervention. <i>Npj Biofilms and Microbiomes</i> , 2019, 5, 3.	6.4	51
40	Hydrogen peroxide inhibits IL-12 p40 induction in macrophages by inhibiting c-rel translocation to the nucleus through activation of calmodulin protein. <i>Blood</i> , 2006, 107, 1513-1520.	1.4	47
41	Dormancy Associated Translation Inhibitor (DATIN/Rv0079) of <i>Mycobacterium tuberculosis</i> interacts with TLR2 and induces proinflammatory cytokine expression. <i>Cytokine</i> , 2013, 64, 258-264.	3.2	47
42	Iron acquisition, assimilation and regulation in mycobacteria. <i>Infection, Genetics and Evolution</i> , 2011, 11, 825-838.	2.3	46
43	Species-specific 18S rRNA gene amplification for the detection of <i>P. falciparum</i> and <i>P. vivax</i> malaria parasites. <i>Molecular and Cellular Probes</i> , 1995, 9, 161-165.	2.1	45
44	Prevalence and profile of mutations associated with lamivudine therapy in Indian patients with chronic hepatitis B in the surface and polymerase genes of hepatitis B virus. <i>Journal of Medical Virology</i> , 2002, 68, 311-318.	5.0	45
45	CDR1, a multidrug resistance gene from <i>Candida albicans</i> , contains multiple regulatory domains in its promoter and the distal AP-1 element mediates its induction by miconazole. <i>FEMS Microbiology Letters</i> , 1999, 180, 213-219.	1.8	42
46	Computational prediction and experimental verification of novel IdeR binding sites in the upstream sequences of <i>Mycobacterium tuberculosis</i> open reading frames. <i>Bioinformatics</i> , 2005, 21, 2161-2166.	4.1	42
47	<i>Mycobacterium tuberculosis</i> Peptidyl-Prolyl Isomerases Are Immunogenic, Alter Cytokine Profile and Aid in Intracellular Survival. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 38.	3.9	42
48	Transmission of G145R mutant of HBV to an unrelated contact. <i>Journal of Medical Virology</i> , 2005, 76, 40-46.	5.0	41
49	Emerging importance of holobionts in evolution and in probiotics. <i>Gut Pathogens</i> , 2013, 5, 12.	3.4	41
50	Expression of the gene encoding firefly luciferase in insect cells using a baculovirus vector. <i>Gene</i> , 1990, 91, 135-138.	2.2	40
51	Temporal nature of the promoter and not relative strength determines the expression of an extensively processed protein in a baculovirus system. <i>FEBS Letters</i> , 1993, 315, 282-286.	2.8	40
52	The Homologous Region Sequence (hr1) of <i>Autographa californica</i> Multinucleocapsid Polyhedrosis Virus Can Enhance Transcription from Non-baculoviral Promoters in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 52564-52571.	3.4	40
53	Genome scale portrait of cAMP-receptor protein (CRP) regulons in mycobacteria points to their role in pathogenesis. <i>Gene</i> , 2008, 407, 148-158.	2.2	40
54	<i>Mycobacterium tuberculosis</i> Protein PE6 (Rv0335c), a Novel TLR4 Agonist, Evokes an Inflammatory Response and Modulates the Cell Death Pathways in Macrophages to Enhance Intracellular Survival. <i>Frontiers in Immunology</i> , 2021, 12, 696491.	4.8	40

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55	COVID-19 and tuberculosis: the double whammy of respiratory pathogens. <i>European Respiratory Review</i> , 2022, 31, 210264.	7.1	40
56	Antioxidants prevent UV-induced apoptosis by inhibiting mitochondrial cytochrome c release and caspase activation in <i>Spodoptera frugiperda</i> (Sf9) cells. <i>Cell Biology International</i> , 2003, 27, 483-490.	3.0	39
57	Disease-Causing Mutations in Proteins: Structural Analysis of the CYP1b1 Mutations Causing Primary Congenital Glaucoma in Humans. <i>Biophysical Journal</i> , 2006, 91, 4329-4339.	0.5	39
58	Molecular Analysis of a Leprosy Immunotherapeutic Bacillus Provides Insights into Mycobacterium Evolution. <i>PLoS ONE</i> , 2007, 2, e968.	2.5	39
59	Modern and Ancestral Genotypes of Mycobacterium tuberculosis from Andhra Pradesh, India. <i>PLoS ONE</i> , 2011, 6, e27584.	2.5	39
60	Molecular epidemiology of tuberculosis in India: Moving forward with a systems biology approach. <i>Tuberculosis</i> , 2011, 91, 407-413.	1.9	39
61	Mycobacterium tuberculosis RipA Dampens TLR4-Mediated Host Protective Response Using a Multi-Pronged Approach Involving Autophagy, Apoptosis, Metabolic Repurposing, and Immune Modulation. <i>Frontiers in Immunology</i> , 2021, 12, 636644.	4.8	39
62	Artificial Intelligence and Machine learning based prediction of resistant and susceptible mutations in Mycobacterium tuberculosis. <i>Scientific Reports</i> , 2020, 10, 5487.	3.3	38
63	<i>Mycobacterium tuberculosis</i> conserved hypothetical protein rRv2626c modulates macrophage effector functions. <i>Immunology</i> , 2010, 130, 34-45.	4.4	37
64	Mycobacterium tuberculosis DosR Regulon Gene Rv0079 Encodes a Putative, $\sigma^H$ -Dormancy Associated Translation Inhibitor (DATIN) <sup>TM</sup> . <i>PLoS ONE</i> , 2012, 7, e38709.	2.5	37
65	Distinctiveness of Mycobacterium tuberculosis Genotypes from Human Immunodeficiency Virus Type 1-Seropositive and -Seronegative Patients in Lima, Peru. <i>Journal of Clinical Microbiology</i> , 2003, 41, 1712-1716.	3.9	36
66	Massive gene acquisitions in Mycobacterium indicus pranii provide a perspective on mycobacterial evolution. <i>Nucleic Acids Research</i> , 2012, 40, 10832-10850.	14.5	36
67	Method for enhancing solubility of the expressed recombinant proteins in <i>Escherichia coli</i> . <i>BioTechniques</i> , 2004, 37, 418-423.	1.8	35
68	Use of Fluorescent Amplified Fragment Length Polymorphism for Molecular Epidemiology of Leptospirosis in India. <i>Journal of Clinical Microbiology</i> , 2004, 42, 3575-3580.	3.9	35
69	Indian herb $\sigma^H$ -Sanjeevani <sup>TM</sup> (Selaginella bryopteris) can promote growth and protect against heat shock and apoptotic activities of ultra violet and oxidative stress. <i>Journal of Biosciences</i> , 2005, 30, 499-505.	1.1	35
70	Concurrent Proinflammatory and Apoptotic Activity of a Helicobacter pylori Protein (HP986) Points to Its Role in Chronic Persistence. <i>PLoS ONE</i> , 2011, 6, e22530.	2.5	35
71	Protein promiscuity in drug discovery, drug-repurposing and antibiotic resistance. <i>Biochimie</i> , 2020, 175, 50-57.	2.6	34
72	Specificity of drug transport mediated byCaMDR1: A major facilitator ofCandida albicans. <i>Journal of Biosciences</i> , 2001, 26, 333-339.	1.1	33

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73	Amino acid starvation sensing dampens IL-1 $\beta$ production by activating riboclustering and autophagy. PLoS Biology, 2018, 16, e2005317.	5.6	33
74	Disorder-to-order transition in PE-PPE proteins of <i>Mycobacterium tuberculosis</i> augments the pro-pathogen immune response. FEBS Open Bio, 2020, 10, 70-85.	2.3	33
75	Gut Pathogens: enteric health at the interface of changing microbiology. Gut Pathogens, 2009, 1, 1.	3.4	32
76	Genetic alterations in brain tumors identified by RAPD analysis. Gene, 1998, 206, 45-48.	2.2	31
77	Treatment end point determinants for pulmonary tuberculosis: Human resistin as a surrogate biomarker. Tuberculosis, 2011, 91, 293-299.	1.9	31
78	In-Vitro Helix Opening of <i>M. tuberculosis</i> oriC by DnaA Occurs at Precise Location and Is Inhibited by IciA Like Protein. PLoS ONE, 2009, 4, e4139.	2.5	31
79	The exploitation of host autophagy and ubiquitin machinery by <i>Mycobacterium tuberculosis</i> in shaping immune responses and host defense during infection. Autophagy, 2023, 19, 3-23.	9.1	31
80	Extensive intra-tumor heterogeneity in primary human glial tumors as a result of locus non-specific genomic alterations. Journal of Neuro-Oncology, 2000, 48, 1-12.	2.9	30
81	Molecular Genotyping of a Large, Multicentric Collection of Tubercle Bacilli Indicates Geographical Partitioning of Strain Variation and Has Implications for Global Epidemiology of <i>Mycobacterium tuberculosis</i> . Journal of Clinical Microbiology, 2004, 42, 3240-3247.	3.9	30
82	Purified Recombinant Hypothetical Protein Coded by Open Reading Frame Rv1885c of <i>Mycobacterium tuberculosis</i> Exhibits a Monofunctional AroQ Class of Periplasmic Chorismate Mutase Activity. Journal of Biological Chemistry, 2005, 280, 19641-19648.	3.4	30
83	The 2.15 Å... Crystal Structure of <i>Mycobacterium tuberculosis</i> Chorismate Mutase Reveals an Unexpected Gene Duplication and Suggests a Role in Host-Pathogen Interactions. Biochemistry, 2006, 45, 6997-7005.	2.5	30
84	Molecular Genetic Analysis of Multi-drug Resistance in Indian Isolates of <i>Mycobacterium tuberculosis</i> . Memorias Do Instituto Oswaldo Cruz, 1998, 93, 589-594.	1.6	29
85	Typing of drug resistant isolates of <i>Mycobacterium tuberculosis</i> from India using the IS6110 element reveals substantive polymorphism. Infection, Genetics and Evolution, 2001, 1, 109-116.	2.3	29
86	Revisiting BCG to control tuberculosis: mucosal delivery and delipidation?. Lancet Infectious Diseases, The, 2020, 20, 272-273.	9.1	29
87	Serine 48 in Initiation Factor 2 $\pm$ (eIF2 $\pm$ ) Is Required for High-Affinity Interaction between eIF2 $\pm$ (P) and eIF2B. Biochemistry, 1999, 38, 15398-15405.	2.5	28
88	Poorer NF- $\kappa$ B signaling by microfilariae in macrophages from BALB/c mice affects their ability to produce cytotoxic levels of nitric oxide to kill microfilariae. FEBS Letters, 2004, 567, 275-280.	2.8	28
89	Analysis of Genomic Downsizing on the Basis of Region-of-Difference Polymorphism Profiling of <i>Mycobacterium tuberculosis</i> Patient Isolates Reveals Geographic Partitioning. Journal of Clinical Microbiology, 2005, 43, 5978-5982.	3.9	28
90	<i>Mycobacterium tuberculosis</i> heat shock protein 60 modulates immune response to PPD by manipulating the surface expression of TLR2 on macrophages. Cellular Microbiology, 2008, 10, 1711-1722.	2.1	28

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91	Intrinsic disorder in proteins: Relevance to protein assemblies, drug design and host-pathogen interactions. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 156, 34-42.	2.9	28
92	Medical implications of protein moonlighting. <i>Indian Journal of Medical Research</i> , 2019, 149, 322.	1.0	28
93	Bifunctionality of the AcMNPV Homologous Region Sequence (hr1): Enhancer and ori Functions Have Different Sequence Requirements. <i>DNA and Cell Biology</i> , 1996, 15, 737-747.	1.9	27
94	In vitro cultured <i>Spodoptera frugiperda</i> insect cells: Model for oxidative stress-induced apoptosis. <i>Journal of Biosciences</i> , 1999, 24, 13-19.	1.1	27
95	Differential Activity of Two Non-hr Origins during Replication of the <i>Baculovirus Autographa californica</i> Nuclear Polyhedrosis Virus Genome. <i>Journal of Virology</i> , 2000, 74, 5182-5189.	3.4	27
96	Genomics of the human Y-chromosome. <i>Gene</i> , 2003, 321, 25-37.	2.2	27
97	High-Resolution Genome Profiling Differentiated <i>Staphylococcus epidermidis</i> Isolated from Patients with Ocular Infections and Normal Individuals. , 2007, 48, 3239.		27
98	In Vitro Levels of Interleukin 10 (IL-10) and IL-12 in Response to a Recombinant 32-Kilodalton Antigen of <i>Mycobacterium bovis</i> BCG after Treatment for Tuberculosis. <i>Vaccine Journal</i> , 2009, 16, 111-115.	3.1	27
99	Ancestral <i>Mycobacterium tuberculosis</i> genotypes in India: Implications for TB control programmes. <i>Infection, Genetics and Evolution</i> , 2009, 9, 142-146.	2.3	27
100	Mapping Conformational Transitions in Cyclic AMP Receptor Protein: Crystal Structure and Normal-Mode Analysis of <i>Mycobacterium tuberculosis</i> apo-cAMP Receptor Protein. <i>Biophysical Journal</i> , 2010, 98, 305-314.	0.5	27
101	Development, expression, and murine testing of a multistage <i>Plasmodium falciparum</i> malaria vaccine candidate. <i>Vaccine</i> , 2000, 18, 2902-2914.	3.8	26
102	Baculoviral p35 inhibits oxidant-induced activation of mitochondrial apoptotic pathway. <i>Biochemical and Biophysical Research Communications</i> , 2003, 307, 483-490.	2.1	26
103	Prediction of DtxR regulon: identification of binding sites and operons controlled by Diphtheria toxin repressor in <i>Corynebacterium diphtheriae</i> . <i>BMC Microbiology</i> , 2004, 4, 38.	3.3	26
104	Comparison of <i>Mycobacterium tuberculosis</i> isocitrate dehydrogenases (ICD-1 and ICD-2) reveals differences in coenzyme affinity, oligomeric state, pH tolerance and phylogenetic affiliation. <i>BMC Biochemistry</i> , 2005, 6, 20.	4.4	26
105	Transcriptional Regulation of <i>Mycobacterium tuberculosis</i> PE/PPE Genes: A Molecular Switch to Virulence. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2011, 21, 97-109.	1.0	26
106	<i>Mycobacterium tuberculosis</i> Peptidyl-Prolyl Isomerases Also Exhibit Chaperone like Activity In-Vitro and In-Vivo. <i>PLoS ONE</i> , 2016, 11, e0150288.	2.5	26
107	Differential secretion and glycosylation of recombinant human chorionic gonadotropin (hCG) synthesized using different promoters in the baculovirus expression vector system. <i>Gene</i> , 1993, 131, 261-264.	2.2	25
108	A 38-kDa Host Factor Interacts with Functionally Important Motifs within the <i>Autographa californica</i> Multinucleocapsid Nuclear Polyhedrosis Virus Homologous Region (hr1) DNA Sequence. <i>Journal of Biological Chemistry</i> , 1996, 271, 28250-28258.	3.4	25

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109	Analysis of the evolutionarily conserved repeat motifs in the genome of the highly endangered central Indian swamp deer <i>Cervus duvauceli branderi</i> 1Published in conjunction with A Wisconsin Gathering Honoring Waclaw Szybalski on the occasion of his 75th year and 20 years of Editorship-in-Chief of <i>Gene</i> . 10â€“11 August 1997, University of Wisconsin, Madison, WI, USA.1. <i>Gene</i> , 1998, 223, 361-367.	2.2	25
110	Expression and characterization of Rv2430c, a novel immunodominant antigen of <i>Mycobacterium tuberculosis</i> . <i>Protein Expression and Purification</i> , 2004, 36, 249-253.	1.3	25
111	Interaction of <i>Mycobacterium tuberculosis</i> Virulence Factor RipA with Chaperone MoxR1 Is Required for Transport through the TAT Secretion System. <i>MBio</i> , 2016, 7, e02259.	4.1	25
112	Protein adaptations in extremophiles: An insight into extremophilic connection of mycobacterial proteome. <i>Seminars in Cell and Developmental Biology</i> , 2018, 84, 147-157.	5.0	25
113	Genome sequence based, comparative analysis of the fluorescent amplified fragment length polymorphisms (FAFLP) of tubercle bacilli from seals provides molecular evidence for a new species within the <i>Mycobacterium tuberculosis</i> complex. <i>Infection, Genetics and Evolution</i> , 2003, 2, 193-199.	2.3	24
114	Fluorescent amplified fragment length polymorphism (FAFLP) genotyping demonstrates the role of biofilm-producing methicillin-resistant periocular <i>Staphylococcus epidermidis</i> strains in postoperative endophthalmitis. <i>BMC Ophthalmology</i> , 2006, 6, 1.	1.4	24
115	Comparative genomic analysis of <i>Helicobacter pylori</i> from Malaysia identifies three distinct lineages suggestive of differential evolution. <i>Nucleic Acids Research</i> , 2015, 43, 324-335.	14.5	24
116	Whole genome sequencing: A new paradigm in the surveillance and control of human tuberculosis. <i>Tuberculosis</i> , 2015, 95, 91-94.	1.9	24
117	Orchestration of membrane receptor signaling by membrane lipids. <i>Biochimie</i> , 2015, 113, 111-124.	2.6	24
118	The Host Factor Polyhedrin Promoter Binding Protein (PPBP) Is Involved in Transcription from the Baculovirus Polyhedrin Gene Promoter. <i>Journal of Virology</i> , 1998, 72, 7484-7493.	3.4	24
119	DNA Clasp by Mycobacterial HU: The C-Terminal Region of HupB Mediates Increased Specificity of DNA Binding. <i>PLoS ONE</i> , 2010, 5, e12551.	2.5	24
120	Enhanced T cell responsiveness to <i>Mycobacterium bovis</i> BCG r32-kDa Ag correlates with successful anti-tuberculosis treatment in humans. <i>Cytokine</i> , 2010, 52, 190-193.	3.2	23
121	The 30-kDa Protein Binding to the â€œInitiatorâ€œ of the Baculovirus Polyhedrin Promoter Also Binds Specifically to the Coding Strand. <i>Journal of Biological Chemistry</i> , 1995, 270, 4405-4411.	3.4	22
122	Involvement of host factors in transcription from baculovirus very late promoters - a review. <i>Gene</i> , 1997, 190, 113-118.	2.2	22
123	Novel biochemical properties of a CRP/FNR family transcription factor from <i>Mycobacterium tuberculosis</i> . <i>International Journal of Medical Microbiology</i> , 2007, 297, 451-457.	3.6	22
124	The mitochondrial apocytochrome b gene from <i>Chlamydomonas reinhardtii</i> . <i>Plant Molecular Biology</i> , 1990, 15, 357-359.	3.9	21
125	The Î± subunit of human chorionic gonadotropin hormone synthesized in insect cells using a baculovirus vector is biologically active. <i>FEBS Letters</i> , 1991, 283, 104-108.	2.8	21
126	Influence of codon usage and translation initiation codon context in the AcNPV-based expression system: Computer analysis using homologous and heterologous genes. <i>Virus Genes</i> , 1995, 9, 149-153.	1.6	21



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127	Analyses of methyltransferases across the pathogenicity spectrum of different mycobacterial species point to an extremophile connection. <i>Molecular BioSystems</i> , 2016, 12, 1615-1625.	2.9	21
128	Transcription of Human Resistin Gene Involves an Interaction of Sp1 with Peroxisome Proliferator-Activating Receptor Gamma (PPAR $\gamma$ ). <i>PLoS ONE</i> , 2010, 5, e9912.	2.5	21
129	An Additional Copy of the Homologous Region (hr1) Sequence in the <i>Autographa californica</i> Multinucleocapsid Polyhedrosis Virus Genome Promotes Hyperexpression of Foreign Genes. <i>Biochemistry</i> , 2004, 43, 8143-8151.	2.5	20
130	pheA (Rv3838c) of <i>Mycobacterium tuberculosis</i> Encodes an Allosterically Regulated Monofunctional Prephenate Dehydratase That Requires Both Catalytic and Regulatory Domains for Optimum Activity. <i>Journal of Biological Chemistry</i> , 2005, 280, 20666-20671.	3.4	20
131	Expression and functional characterisation of the ClpC gene of <i>Mycobacterium leprae</i> : ClpC protein elicits human antibody response. <i>Gene</i> , 1996, 172, 99-104.	2.2	18
132	Novel Sp Family-like Transcription Factors Are Present in Adult Insect Cells and Are Involved in Transcription from the Polyhedrin Gene Initiator Promoter. <i>Journal of Biological Chemistry</i> , 2001, 276, 23440-23449.	3.4	18
133	Stress-Induced Apoptosis in <i>Spodoptera frugiperda</i> (Sf9) Cells: Baculovirus p35 Mitigates eIF2 $\gamma$ Phosphorylation. <i>Biochemistry</i> , 2003, 42, 15352-15360.	2.5	18
134	AmpliBASE MTTM: a <i>Mycobacterium tuberculosis</i> diversity knowledgebase. <i>Bioinformatics</i> , 2004, 20, 989-992.	4.1	18
135	Synergy between the N-terminal and C-terminal domains of <i>Mycobacterium tuberculosis</i> HupB is essential for high-affinity binding, DNA supercoiling and inhibition of RecA-promoted strand exchange. <i>FEBS Journal</i> , 2011, 278, 3447-3462.	4.7	18
136	Nuclear Respiratory Factor 1 (NRF1) Transcriptional Activity-Driven Gene Signature Association with Severity of Astrocytoma and Poor Prognosis of Glioblastoma. <i>Molecular Neurobiology</i> , 2020, 57, 3827-3845.	4.0	18
137	The <i>M. tuberculosis</i> Rv1523 Methyltransferase Promotes Drug Resistance Through Methylation-Mediated Cell Wall Remodeling and Modulates Macrophages Immune Responses. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 622487.	3.9	18
138	MicroRNA in carcinogenesis & cancer diagnostics: a new paradigm. <i>Indian Journal of Medical Research</i> , 2013, 137, 680-94.	1.0	18
139	Random amplified polymorphic DNA (RAPD) markers reveal genetic homogeneity in the endangered Himalayan species <i>Meconopsis paniculata</i> and <i>M. simplicifolia</i> . <i>Theoretical and Applied Genetics</i> , 1996, 93-93, 91-96.	3.6	17
140	Defining the Mandate of Tuberculosis Research in a Postgenomic Era. <i>Medical Principles and Practice</i> , 2004, 13, 177-184.	2.4	17
141	Anti-B7-1/B7-2 antibody elicits innate-effector responses in macrophages through NF- $\kappa$ B-dependent pathway. <i>International Immunology</i> , 2007, 19, 477-486.	4.0	17
142	A novel immunomodulatory function of PHLPP1: inhibition of iNOS via attenuation of STAT1 ser727 phosphorylation in mouse macrophages. <i>Journal of Leukocyte Biology</i> , 2014, 95, 775-783.	3.3	17
143	Mapping the genomic landscape & diversity of COVID-19 based on >3950 clinical isolates of SARS-CoV-2: Likely origin & transmission dynamics of isolates sequenced in India. <i>Indian Journal of Medical Research</i> , 2020, 151, 474.	1.0	17
144	The <i>Mycobacterium tuberculosis</i> PE_PGRS Protein Family Acts as an Immunological Decoy to Subvert Host Immune Response. <i>International Journal of Molecular Sciences</i> , 2022, 23, 525.	4.1	17

#	ARTICLE	IF	CITATIONS
145	Nucleotide sequence of <i>Chlamydomonas reinhardtii</i> mitochondrial genes coding for subunit 6 of NADH dehydrogenase and tRNATrp. <i>Nucleic Acids Research</i> , 1988, 16, 11373-11373.	14.5	16
146	Rapid Identification of <i>Mycobacterium tuberculosis</i> Beijing Genotypes on the Basis of the Mycobacterial Interspersed Repetitive Unit Locus 26 Signature. <i>Journal of Clinical Microbiology</i> , 2006, 44, 274-277.	3.9	16
147	PGRS Domain of Rv0297 of <i>Mycobacterium tuberculosis</i> Is Involved in Modulation of Macrophage Functions to Favor Bacterial Persistence. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 451.	3.9	16
148	Novel mutation in FOXC1 wing region causing Axenfeld-Rieger anomaly. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 3613-6.	3.3	16
149	Simultaneous synthesis of enzymatically active luciferase and biologically active $\hat{I}^2$ subunit of human chorionic gonadotropin in caterpillars infected with a recombinant baculovirus. <i>FEBS Letters</i> , 1992, 310, 148-152.	2.8	15
150	Forensic Epigenetic Analysis: The Path Ahead. <i>Medical Principles and Practice</i> , 2019, 28, 301-308.	2.4	15
151	Teleological cooption of <i>Mycobacterium tuberculosis</i> PE/PPE proteins as porins: Role in molecular immigration and emigration. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151495.	3.6	15
152	Transcriptional Regulation of Cell Line-Dependent, Baculovirus-Mediated Expression of Foreign Genes. <i>DNA and Cell Biology</i> , 1995, 14, 7-14.	1.9	14
153	A recombination-efficient baculovirus vector for simultaneous expression of multiple genes. <i>Gene</i> , 1996, 171, 209-213.	2.2	14
154	Mutational analysis of the RB1 gene in Indian patients with retinoblastoma. <i>Ophthalmic Genetics</i> , 2002, 23, 121-128.	1.2	14
155	A 30-kDa Host Protein Binds to Two Very-Late Baculovirus Promoters. <i>FEBS Journal</i> , 1996, 239, 384-390.	0.2	13
156	<i>Mycobacterium indicus pranii</i> protein MIP_05962 induces Th1 cell mediated immune response in mice. <i>International Journal of Medical Microbiology</i> , 2018, 308, 1000-1008.	3.6	13
157	Nucleotide sequence of <i>Chlamydomonas reinhardtii</i> mitochondrial genes coding for tRNAGla(UUG) and tRNAMet(CAU). <i>Nucleic Acids Research</i> , 1989, 17, 1256-1256.	14.5	12
158	Host factor with single-stranded DNA-binding activity involved in transcription from baculovirus polyhedrin promoter. <i>Methods in Enzymology</i> , 1996, 274, 20-32.	1.0	12
159	SeeTB: A novel alternative to sputum smear microscopy to diagnose tuberculosis in high burden countries. <i>Scientific Reports</i> , 2019, 9, 16371.	3.3	12
160	Immunodominant <i>Mycobacterium tuberculosis</i> Protein Rv1507A Elicits Th1 Response and Modulates Host Macrophage Effector Functions. <i>Frontiers in Immunology</i> , 2020, 11, 1199.	4.8	12
161	Post translational modifications in tuberculosis: ubiquitination paradox. <i>Autophagy</i> , 2021, 17, 814-817.	9.1	12
162	Nucleotide sequence of cloned nad4 (urf4) gene from <i>Chlamydomonas reinhardtii</i> mitochondrial DNA. <i>Gene</i> , 1989, 85, 363-370.	2.2	11

#	ARTICLE	IF	CITATIONS
163	Sensitivity to differential NRF1 gene signatures contributes to breast cancer disparities. <i>Journal of Cancer Research and Clinical Oncology</i> , 2020, 146, 2777-2815.	2.5	11
164	Can <i>Mycobacterium tuberculosis</i> infection lead to cancer? Call for a paradigm shift in understanding TB and cancer. <i>International Journal of Medical Microbiology</i> , 2022, 312, 151558.	3.6	10
165	Nitric oxide inhibits interleukin-12 p40 through p38 MAPK-mediated regulation of calmodulin and c-rel. <i>Free Radical Biology and Medicine</i> , 2007, 42, 686-697.	2.9	9
166	Baculovirus P35 protein: An overview of its applications across multiple therapeutic and biotechnological arenas. <i>Biotechnology Progress</i> , 2010, 26, 301-312.	2.6	9
167	Commentary: Modification of Host Responses by <i>Mycobacteria</i> . <i>Frontiers in Immunology</i> , 2017, 8, 466.	4.8	9
168	Computational modeling and bioinformatic analyses of functional mutations in drug target genes in <i>Mycobacterium tuberculosis</i> . <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2423-2446.	4.1	9
169	A novel probe for human DNA fingerprinting based on chi-like sequences. <i>Gene</i> , 1992, 111, 261-263.	2.2	8
170	Crystallization and preliminary X-ray crystallographic studies of <i>Mycobacterium tuberculosis</i> CRP/FNR family transcription regulator. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 873-875.	0.7	8
171	Pathogenomics: An updated European Research Agenda. <i>Infection, Genetics and Evolution</i> , 2008, 8, 386-393.	2.3	8
172	<i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> is not discerned in diabetes mellitus patients in Hyderabad, India. <i>International Journal of Medical Microbiology</i> , 2014, 304, 620-625.	3.6	8
173	<i>Mycobacterium smegmatis</i> Bacteria Expressing <i>Mycobacterium tuberculosis</i> -Specific Rv1954A Induce Macrophage Activation and Modulate the Immune Response. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 564565.	3.9	8
174	Nitric Oxide: Friendly Rivalry in Tuberculosis. <i>Current Signal Transduction Therapy</i> , 2007, 2, 121-128.	0.5	8
175	The translation initiation factor, PelF5B, from <i>Pisum sativum</i> displays chaperone activity. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 390-396.	2.1	7
176	PGRS Domain of Rv0297 of <i>Mycobacterium tuberculosis</i> Functions in A Calcium Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9390.	4.1	7
177	Proteomics of multidrug resistant <i>Mycobacterium tuberculosis</i> clinical isolates: A peep show on mechanism of drug resistance & perhaps more. <i>Indian Journal of Medical Research</i> , 2015, 141, 8.	1.0	7
178	Role of multiple factors likely contributing to severity-mortality of COVID-19. <i>Infection, Genetics and Evolution</i> , 2021, 96, 105101.	2.3	7
179	Nucleotide sequence of a human satellite DNA. <i>Gene</i> , 1991, 98, 301-302.	2.2	6
180	Human mesenchymal stem cells: New sojourn of bacterial pathogens. <i>International Journal of Medical Microbiology</i> , 2015, 305, 322-326.	3.6	6

#	ARTICLE	IF	CITATIONS
181	Molecular epidemiology of infectious diseases: a case for increased surveillance. Bulletin of the World Health Organization, 2003, 81, 474.	3.3	6
182	DNA polymorphism analysis in five endangered species of <i>Meconopsis</i> (Himalayan poppy) using multi-copy sequence-based probes. Electrophoresis, 1995, 16, 1746-1749.	2.4	5
183	Biophysical characterization and unfolding of LEF4 factor of RNA polymerase from <i>AcNPV</i> . Biopolymers, 2009, 91, 574-582.	2.4	5
184	Octamer and heat shock elements regulate transcription from the <i>AcMNPV</i> polyhedrin gene promoter. Archives of Virology, 2009, 154, 445-456.	2.1	5
185	ArgD of <i>Mycobacterium tuberculosis</i> is a functional N-acetylornithine aminotransferase with moonlighting function as an effective immune modulator. International Journal of Medical Microbiology, 2022, 312, 151544.	3.6	5
186	Characterization of a human alphoid satellite DNA sequence: Potential use in assessing genetic diversity in Indian populations. Gene, 1996, 173, 247-250.	2.2	4
187	Expression of Winged Bean Basic Agglutinin in <i>Spodoptera frugiperda</i> Insect Cell Expression System. Bioscience Reports, 2001, 21, 361-367.	2.4	4
188	Leptospirosis. Lancet Infectious Diseases, The, 2004, 4, 543.	9.1	4
189	<i>Pisum sativum</i> contains a factor with strong homology to eIF5B. Gene, 2007, 399, 144-151.	2.2	4
190	Expression, purification and ligand binding properties of the recombinant translation initiation factor (PeIF5B) from <i>Pisum sativum</i> . Molecular and Cellular Biochemistry, 2010, 344, 33-41.	3.1	4
191	Translating Advances in Genomic Research into Clinical Practice: The Challenges Ahead. Medical Principles and Practice, 2011, 20, 392-394.	2.4	4
192	<i>Mycobacterium tuberculosis</i> Specific Protein Rv1509 Evokes Efficient Innate and Adaptive Immune Response Indicative of Protective Th1 Immune Signature. Frontiers in Immunology, 2021, 12, 706081.	4.8	4
193	Aggregation Prevention Assay for Chaperone Activity of Proteins Using Spectrofluometry. Bio-protocol, 2017, 7, e2107.	0.4	4
194	<i>Mycobacterium tuberculosis</i> Methyltransferase Rv1515c Can Suppress Host Defense Mechanisms by Modulating Immune Functions Utilizing a Multipronged Mechanism. Frontiers in Molecular Biosciences, 0, 9, .	3.5	4
195	Is <i>Mycobacterium tuberculosis</i> carcinogenic to humans?. FASEB Journal, 2021, 35, e21853.	0.5	3
196	Toxin-Antitoxin (TA) Systems in Stress Survival and Pathogenesis. , 2019, , 257-274.		3
197	Differential Activity of Two Non-hrOrigins during Replication of the <i>Baculovirus Autographa californica</i> Nuclear Polyhedrosis Virus Genome. Journal of Virology, 2000, 74, 5182-5189.	3.4	3
198	In silico characterization of a putative ORF-MAP1138c of <i>Mycobacterium avium</i> subspecies paratuberculosis(MAP) with its implications in virulence. BMC Genomics, 2014, 15, .	2.8	2

#	ARTICLE	IF	CITATIONS
199	Development and Validation of Signature Sequence-Based PCR for Improved Molecular Diagnosis of Tuberculosis. <i>Journal of Molecular Diagnostics</i> , 2021, 23, 1138-1144.	2.8	2
200	Biofilms: A Phenotypic Mechanism of Bacteria Conferring Tolerance Against Stress and Antibiotics. , 2019, , 315-333.		2
201	Enigmatic Proteins from the Surface: the Erp, PE, and PPE Protein Families. , 0, , 133-151.		2
202	Genomics of <i>Mycobacterium tuberculosis</i> : old threats & new trends. <i>Indian Journal of Medical Research</i> , 2004, 120, 207-12.	1.0	2
203	Nuclear respiratory factor 1 transcriptomic signatures as prognostic indicators of recurring aggressive mesenchymal glioblastoma and resistance to therapy in White American females. <i>Journal of Cancer Research and Clinical Oncology</i> , 2022, 148, 1641-1682.	2.5	2
204	Random amplified polymorphic DNA (RAPD) markers reveal genetic homogeneity in the endangered Himalayan species <i>Meconopsis paniculata</i> and <i>M. simplicifolia</i> . <i>Theoretical and Applied Genetics</i> , 1996, 93, 91-96.	3.6	2
205	pXmnATG: an <i>E. coli</i> vector for expression of unfused proteins. <i>Nucleic Acids Research</i> , 1987, 15, 3925-3925.	14.5	1
206	Expression of herpes simplex virus thymidine kinase gene in aquatic filamentous fungus <i>Achlya ambisexualis</i> . <i>Gene</i> , 1987, 57, 53-59.	2.2	1
207	Baculovirus p35 gene is oppositely regulated by P53 and AP-1 like factors in <i>Spodoptera frugiperda</i> . <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 688-693.	2.1	1
208	A Link between Mitochondrial DNA Haplogroup and Ischemia. <i>Medical Principles and Practice</i> , 2011, 20, 201-202.	2.4	1
209	Immunodominant protein <scp>MIP</scp>_05962 from <i>Mycobacterium indicus pranii</i> displays chaperone activity. <i>FEBS Journal</i> , 2017, 284, 1338-1354.	4.7	1
210	Breaking the Transmission of TB: A Roadmap to Bridge the Gaps in Controlling TB in Endemic Settings. , 2019, , 451-461.		1
211	Intrinsically Disordered Regions in PE/PPE Protein Family of <i>Mycobacterium tuberculosis</i> : Moonlighting Function. , 2019, , 151-170.		1
212	Holobionts: emerging strategy for interventions against infectious diseases, metabolic disorders & cancer. <i>Indian Journal of Medical Research</i> , 2014, 140, 11-4.	1.0	1
213	Presence of DNA sequence homologous to RAS gene in the aquatic fungus <i>Achlya ambisexualis</i> : Possible role in sporangiogenesis. <i>Current Microbiology</i> , 1988, 17, 183-187.	2.2	0
214	A One-Step Lysis Procedure for 18S Ribosomal RNA-Based Diagnosis of Infection by <i>Plasmodium</i> Species. <i>Analytical Biochemistry</i> , 1996, 241, 262-264.	2.4	0
215	Monitoring Recombinant Baculovirus Replication in <i>Spodoptera litura</i> (Lepidoptera: Noctuidae) Larvae by Using Firefly Luciferase Gene as a Reporter. <i>Annals of the Entomological Society of America</i> , 1997, 90, 832-835.	2.5	0
216	Array-Based Comparative Genomic Hybridization. , 2007, , 107-121.		0

#	ARTICLE	IF	CITATIONS
217	Characterization of LEF4 ligand binding property and its role as part of baculoviral transcription machinery. <i>Molecular and Cellular Biochemistry</i> , 2010, 333, 83-89.	3.1	0
218	<i>Spodoptera frugiperda</i> FKBP46 is a consensus p53 motif binding protein. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 899-907.	2.6	0
219	Genomic Fluidity of the Human Gastric Pathogen <i>Helicobacter pylori</i> . , 0, , 27-43.		0
220	Endoplasmic Reticulum Stress: Importance in Pathogenesis of <i>Mycobacterium tuberculosis</i> . , 2019, , 241-255.		0