

# Upinder Singh

## List of Publications by Year in descending order

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91  
papers

4,973  
citations

117625

34  
h-index

98798

67  
g-index

188  
all docs

188  
docs citations

188  
times ranked

5175  
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome of the protist parasite <i>Entamoeba histolytica</i> . <i>Nature</i> , 2005, 433, 865-868.	27.8	783
2	New-onset IgG autoantibodies in hospitalized patients with COVID-19. <i>Nature Communications</i> , 2021, 12, 5417.	12.8	286
3	Distinct Distal Gut Microbiome Diversity and Composition in Healthy Children from Bangladesh and the United States. <i>PLoS ONE</i> , 2013, 8, e53838.	2.5	278
4	Proinflammatory IgG Fc structures in patients with severe COVID-19. <i>Nature Immunology</i> , 2021, 22, 67-73.	14.5	239
5	<i>Toxoplasma gondii</i> Asexual Development: Identification of Developmentally Regulated Genes and Distinct Patterns of Gene Expression. <i>Eukaryotic Cell</i> , 2002, 1, 329-340.	3.4	196
6	Gastrointestinal symptoms and fecal shedding of SARS-CoV-2 RNA suggest prolonged gastrointestinal infection. <i>Med</i> , 2022, 3, 371-387.e9.	4.4	165
7	Impact of intestinal colonization and invasion on the <i>Entamoeba histolytica</i> transcriptome. <i>Molecular and Biochemical Parasitology</i> , 2006, 147, 163-176.	1.1	153
8	Identification of developmentally regulated genes in <i>Entamoeba histolytica</i> : insights into mechanisms of stage conversion in a protozoan parasite. <i>Cellular Microbiology</i> , 2007, 9, 1426-1444.	2.1	128
9	Genetic analysis of tachyzoite to bradyzoite differentiation mutants in <i>Toxoplasma gondii</i> reveals a hierarchy of gene induction. <i>Molecular Microbiology</i> , 2002, 44, 721-733.	2.5	127
10	Patients With Uncomplicated Coronavirus Disease 2019 (COVID-19) Have Long-Term Persistent Symptoms and Functional Impairment Similar to Patients with Severe COVID-19: A Cautionary Tale During a Global Pandemic. <i>Clinical Infectious Diseases</i> , 2021, 73, e826-e829.	5.8	127
11	Identification of Differentially Expressed Genes in Virulent and Nonvirulent <i>Entamoeba</i> Species: Potential Implications for Amebic Pathogenesis. <i>Infection and Immunity</i> , 2006, 74, 340-351.	2.2	117
12	Interferon- $\beta$ Release Assay for Accurate Detection of Severe Acute Respiratory Syndrome Coronavirus 2 T-Cell Response. <i>Clinical Infectious Diseases</i> , 2021, 73, e3130-e3132.	5.8	114
13	The genome and transcriptome of the enteric parasite <i>Entamoeba invadens</i> , a model for encystation. <i>Genome Biology</i> , 2013, 14, R77.	9.6	111
14	Peginterferon Lambda-1a for treatment of outpatients with uncomplicated COVID-19: a randomized placebo-controlled trial. <i>Nature Communications</i> , 2021, 12, 1967.	12.8	107
15	<i>Entamoeba histolytica</i> modulates a complex repertoire of novel genes in response to oxidative and nitrosative stresses: implications for amebic pathogenesis. <i>Cellular Microbiology</i> , 2009, 11, 51-69.	2.1	102
16	Antibodies elicited by SARS-CoV-2 infection or mRNA vaccines have reduced neutralizing activity against Beta and Omicron pseudoviruses. <i>Science Translational Medicine</i> , 2022, 14, eabn7842.	12.4	92
17	An <i>Entamoeba histolytica</i> rhomboid protease with atypical specificity cleaves a surface lectin involved in phagocytosis and immune evasion. <i>Genes and Development</i> , 2008, 22, 1636-1646.	5.9	84
18	Early non-neutralizing, afucosylated antibody responses are associated with COVID-19 severity. <i>Science Translational Medicine</i> , 2022, 14, eabm7853.	12.4	71

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19	Identification and characterization of differentiation mutants in the protozoan parasite <i>Toxoplasma gondii</i> . <i>Molecular Microbiology</i> , 2002, 44, 735-747.	2.5	68
20	Small RNAs with 5â€²-Polyphosphate Termini Associate with a Piwi-Related Protein and Regulate Gene Expression in the Single-Celled Eukaryote <i>Entamoeba histolytica</i> . <i>PLoS Pathogens</i> , 2008, 4, e1000219.	4.7	65
21	Downregulation of an <i>Entamoeba histolytica</i> Rhomboid Protease Reveals Roles in Regulating Parasite Adhesion and Phagocytosis. <i>Eukaryotic Cell</i> , 2010, 9, 1283-1293.	3.4	65
22	Robust gene silencing mediated by antisense small RNAs in the pathogenic protist <i>Entamoeba histolytica</i> . <i>Nucleic Acids Research</i> , 2013, 41, 9424-9437.	14.5	63
23	Identification of an <i>Entamoeba histolytica</i> Serine-, Threonine-, and Isoleucine-Rich Protein with Roles in Adhesion and Cytotoxicity. <i>Eukaryotic Cell</i> , 2007, 6, 2139-2146.	3.4	55
24	A developmentally regulated Myb domain protein regulates expression of a subset of stage-specific genes in <i>Entamoeba histolytica</i> . <i>Cellular Microbiology</i> , 2009, 11, 898-910.	2.1	54
25	New insights into <i>Entamoeba histolytica</i> pathogenesis. <i>Current Opinion in Infectious Diseases</i> , 2008, 21, 489-494.	3.1	53
26	Nucleus-localized Antisense Small RNAs with 5â€²-Polyphosphate Termini Regulate Long Term Transcriptional Gene Silencing in <i>Entamoeba histolytica</i> G3 Strain. <i>Journal of Biological Chemistry</i> , 2011, 286, 44467-44479.	3.4	51
27	Comparative Genomic Hybridizations of <i>Entamoeba</i> Strains Reveal Unique Genetic Fingerprints That Correlate with Virulence. <i>Eukaryotic Cell</i> , 2005, 4, 504-515.	3.4	50
28	Regulation of H2O2 Stress-responsive Genes through a Novel Transcription Factor in the Protozoan Pathogen <i>Entamoeba histolytica</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 4462-4474.	3.4	48
29	A Detoxifying Oxygen Reductase in the Anaerobic Protozoan <i>Entamoeba histolytica</i> . <i>Eukaryotic Cell</i> , 2012, 11, 1112-1118.	3.4	47
30	Oxidative stress resistance genes contribute to the pathogenic potential of the anaerobic protozoan parasite, <i>Entamoeba histolytica</i> . <i>International Journal for Parasitology</i> , 2012, 42, 1007-1015.	3.1	43
31	Trichostatin A effects on gene expression in the protozoan parasite <i>Entamoeba histolytica</i> . <i>BMC Genomics</i> , 2007, 8, 216.	2.8	41
32	Identification of putative transcriptional regulatory networks in <i>Entamoeba histolytica</i> using Bayesian inference. <i>Nucleic Acids Research</i> , 2007, 35, 2141-2152.	14.5	40
33	Short hairpin RNA-mediated knockdown of protein expression in <i>Entamoeba histolytica</i> . <i>BMC Microbiology</i> , 2009, 9, 38.	3.3	39
34	High-Throughput Screening of <i>Entamoeba</i> Identifies Compounds Which Target Both Life Cycle Stages and Which Are Effective Against Metronidazole Resistant Parasites. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 276.	3.9	39
35	Dimethylated H3K27 Is a Repressive Epigenetic Histone Mark in the Protist <i>Entamoeba histolytica</i> and Is Significantly Enriched in Genes Silenced via the RNAi Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 21114-21130.	3.4	36
36	Growth of the protozoan parasite <i>Entamoeba histolytica</i> in 5-azacytidine has limited effects on parasite gene expression. <i>BMC Genomics</i> , 2007, 8, 7.	2.8	35

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37	Standardized preservation, extraction and quantification techniques for detection of fecal SARS-CoV-2 RNA. <i>Nature Communications</i> , 2021, 12, 5753.	12.8	32
38	Transcriptional profiling of <i>Entamoeba histolytica</i> trophozoites. <i>International Journal for Parasitology</i> , 2005, 35, 533-542.	3.1	31
39	RNA interference in <i>Entamoeba histolytica</i> : implications for parasite biology and gene silencing. <i>Future Microbiology</i> , 2011, 6, 103-117.	2.0	31
40	Transient and stable transfection in the protozoan parasite <i>Entamoeba invadens</i> . <i>Molecular and Biochemical Parasitology</i> , 2012, 184, 59-62.	1.1	29
41	Characterization of Extracellular Vesicles from <i>Entamoeba histolytica</i> Identifies Roles in Intercellular Communication That Regulates Parasite Growth and Development. <i>Infection and Immunity</i> , 2020, 88, .	2.2	29
42	Coding and Noncoding Genomic Regions of <i>Entamoeba histolytica</i> Have Significantly Different Rates of Sequence Polymorphisms: Implications for Epidemiological Studies. <i>Journal of Clinical Microbiology</i> , 2005, 43, 4815-4819.	3.9	28
43	DNA microarrays in parasitology: strengths and limitations. <i>Trends in Parasitology</i> , 2003, 19, 470-476.	3.3	27
44	Small RNA pyrosequencing in the protozoan parasite <i>Entamoeba histolytica</i> reveals strain-specific small RNAs that target virulence genes. <i>BMC Genomics</i> , 2013, 14, 53.	2.8	27
45	Favipiravir for Treatment of Outpatients With Asymptomatic or Uncomplicated Coronavirus Disease 2019: A Double-Blind, Randomized, Placebo-Controlled, Phase 2 Trial. <i>Clinical Infectious Diseases</i> , 2022, 75, 1883-1892.	5.8	27
46	The Novel Core Promoter Element GAAC in the <i>hgl5</i> Gene of <i>Entamoeba histolytica</i> Is Able to Direct a Transcription Start Site Independent of TATA or Initiator Regions. <i>Journal of Biological Chemistry</i> , 1998, 273, 21663-21668.	3.4	26
47	Functional Characterization of Spliceosomal Introns and Identification of U2, U4, and U5 snRNAs in the Deep-Branching Eukaryote <i>Entamoeba histolytica</i> . <i>Eukaryotic Cell</i> , 2007, 6, 940-948.	3.4	24
48	SARS-CoV-2 Subgenomic RNA Kinetics in Longitudinal Clinical Samples. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab310.	0.9	24
49	Context-dependent roles of the <i>Entamoeba histolytica</i> core promoter element GAAC in transcriptional activation and protein complex assembly. <i>Molecular and Biochemical Parasitology</i> , 2002, 120, 107-116.	1.1	23
50	Recent insights into <i>Entamoeba</i> development: Identification of transcriptional networks associated with stage conversion. <i>International Journal for Parasitology</i> , 2009, 39, 41-47.	3.1	23
51	<i>Entamoeba histolytica</i> rhomboid protease 1 has a role in migration and motility as validated by two independent genetic approaches. <i>Experimental Parasitology</i> , 2015, 154, 33-42.	1.2	22
52	<i>Entamoeba histolytica</i> : a snapshot of current research and methods for genetic analysis. <i>Current Opinion in Microbiology</i> , 2012, 15, 469-475.	5.1	21
53	Development of RNA Interference Trigger-Mediated Gene Silencing in <i>Entamoeba invadens</i> . <i>Infection and Immunity</i> , 2016, 84, 964-975.	2.2	21
54	An NAD <sup>+</sup> -dependent novel transcription factor controls stage conversion in <i>Entamoeba</i> . <i>ELife</i> , 2018, 7, .	6.0	21

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55	Regulation of gene expression in the protozoan parasite <i>Entamoeba invadens</i> : identification of core promoter elements and promoters with stage-specific expression patterns. <i>International Journal for Parasitology</i> , 2014, 44, 837-845.	3.1	20
56	Identification of anisomycin, prodigiosin and obatoclax as compounds with broad-spectrum anti-parasitic activity. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008150.	3.0	20
57	Identification of plicamycin, TG02, panobinostat, lestaurtinib, and GDC-0084 as promising compounds for the treatment of central nervous system infections caused by the free-living amoebae <i>Naegleria</i> , <i>Acanthamoeba</i> and <i>Balamuthia</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2019, 11, 80-94.	3.4	18
58	Nuclear Factor Y (NF-Y) Modulates Encystation in <i>Entamoeba</i> via Stage-Specific Expression of the NF-YB and NF-YC Subunits. <i>MBio</i> , 2019, 10, .	4.1	17
59	Technical advances in trigger-induced RNA interference gene silencing in the parasite <i>Entamoeba histolytica</i> . <i>International Journal for Parasitology</i> , 2016, 46, 205-212.	3.1	15
60	TNF- $\alpha$ + CD4+ T <sub>H</sub> 1 cells dominate the SARS-CoV-2 specific T cell response in COVID-19 outpatients and are associated with durable antibodies. <i>Cell Reports Medicine</i> , 2022, 3, 100640.	6.5	15
61	Long-Term Accuracy of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Interferon- $\beta$ Release Assay and Its Application in Household Investigation. <i>Clinical Infectious Diseases</i> , 2022, 75, e314-e321.	5.8	14
62	Genomic DNA microarrays for <i>Entamoeba histolytica</i> : Applications for use in expression profiling and strain genotyping. <i>Experimental Parasitology</i> , 2005, 110, 196-202.	1.2	13
63	Recent advances in <i>Entamoeba</i> biology: RNA interference, drug discovery, and gut microbiome. <i>F1000Research</i> , 2016, 5, 2578.	1.6	13
64	Policy Recommendations for Optimizing the Infectious Diseases Physician-Scientist Workforce. <i>Journal of Infectious Diseases</i> , 2018, 218, S49-S54.	4.0	13
65	High Throughput Sequencing of <i>Entamoeba</i> 27nt Small RNA Population Reveals Role in Permanent Gene Silencing But No Effect on Regulating Gene Expression Changes during Stage Conversion, Oxidative, or Heat Shock Stress. <i>PLoS ONE</i> , 2015, 10, e0134481.	2.5	12
66	Loss of dsRNA-based gene silencing in <i>Entamoeba histolytica</i> : Implications for approaches to genetic analysis. <i>Experimental Parasitology</i> , 2008, 119, 296-300.	1.2	11
67	RNAi Pathway Genes Are Resistant to Small RNA Mediated Gene Silencing in the Protozoan Parasite <i>Entamoeba histolytica</i> . <i>PLoS ONE</i> , 2014, 9, e106477.	2.5	11
68	Functional Characterization of <i>Entamoeba histolytica</i> Argonaute Proteins Reveals a Repetitive DR-Rich Motif Region That Controls Nuclear Localization. <i>MSphere</i> , 2019, 4, .	2.9	10
69	<i>Entamoeba</i> stage conversion: progress and new insights. <i>Current Opinion in Microbiology</i> , 2020, 58, 62-68.	5.1	10
70	The NAD <sup>+</sup> Responsive Transcription Factor ERM-BP Functions Downstream of Cellular Aggregation and Is an Early Regulator of Development and Heat Shock Response in <i>Entamoeba</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 363.	3.9	10
71	A Single RNaseIII Domain Protein from <i>Entamoeba histolytica</i> Has dsRNA Cleavage Activity and Can Help Mediate RNAi Gene Silencing in a Heterologous System. <i>PLoS ONE</i> , 2015, 10, e0133740.	2.5	10
72	SARS-CoV-2 Neutralizing Monoclonal Antibodies for the Treatment of COVID-19 in Kidney Transplant Recipients. <i>Kidney360</i> , 2022, 3, 10.34067/KID.0005732021.	2.1	9

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73	Approaches to characterizing <i>Entamoeba histolytica</i> transcriptional regulation. <i>Cellular Microbiology</i> , 2010, 12, 1681-1690.	2.1	8
74	Enteric Amebiasis. , 2011, , 614-622.		8
75	Destabilization domain approach adapted for regulated protein expression in the protozoan parasite <i>Entamoeba histolytica</i> . <i>International Journal for Parasitology</i> , 2014, 44, 729-735.	3.1	7
76	Development of a CRISPR/Cas9 system in <i>Entamoeba histolytica</i> : proof of concept. <i>International Journal for Parasitology</i> , 2021, 51, 193-200.	3.1	7
77	Ponatinib, Lestaurtinib, and mTOR/PI3K Inhibitors Are Promising Repurposing Candidates against <i>Entamoeba histolytica</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, AAC0120721.	3.2	7
78	Transcriptional Regulatory Networks in <i>Entamoeba histolytica</i> . <i>Current Drug Targets</i> , 2008, 9, 931-937.	2.1	6
79	Identification of oligo-adenylated small RNAs in the parasite <i>Entamoeba</i> and a potential role for small RNA control. <i>BMC Genomics</i> , 2020, 21, 879.	2.8	6
80	The COVID-19 Outpatient Pragmatic Platform Study (COPPS): Study design of a multi-center pragmatic platform trial. <i>Contemporary Clinical Trials</i> , 2021, 108, 106509.	1.8	5
81	Inflammatory but not respiratory symptoms are associated with ongoing upper airway viral shedding in outpatients with uncomplicated COVID-19. <i>Diagnostic Microbiology and Infectious Disease</i> , 2022, 102, 115612.	1.8	3
82	Variation in Severe Acute Respiratory Syndrome Coronavirus 2 Bioaerosol Production in Exhaled Breath. <i>Open Forum Infectious Diseases</i> , 2022, 9, ofab600.	0.9	3
83	Investigating amoebic pathogenesis using <i>Entamoeba histolytica</i> DNA microarrays. <i>Journal of Biosciences</i> , 2002, 27, 595-601.	1.1	2
84	DNA Content Analysis on Microarrays. , 2004, 270, 237-248.		2
85	RISC in <i>Entamoeba histolytica</i> : Identification of a Protein-Protein Interaction Network for the RNA Interference Pathway in a Deep-Branching Eukaryote. <i>MBio</i> , 2021, 12, e0154021.	4.1	1
86	Infectious Polymyositis. , 0, , 491-494.		0
87	Supporting Research Career Development of Physician-Scientists. <i>Journal of Infectious Diseases</i> , 2018, 218, S36-S39.	4.0	0
88	Title is missing!. , 2020, 14, e0008150.		0
89	Title is missing!. , 2020, 14, e0008150.		0
90	Title is missing!. , 2020, 14, e0008150.		0

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91	Title is missing!. , 2020, 14, e0008150.		0