

# Serge Ankri

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62  
papers

2,266  
citations

24  
h-index

47  
g-index

68  
ext. papers

2,530  
ext. citations

5.2  
avg. IF

4.9  
L-index

#	Paper	IF	Citations
62	Antimicrobial properties of allicin from garlic. <i>Microbes and Infection</i> , <b>1999</b> , 1, 125-9	9.3	647
61	Antisense inhibition of expression of cysteine proteinases affects Entamoeba histolytica-induced formation of liver abscess in hamsters. <i>Infection and Immunity</i> , <b>1999</b> , 67, 421-2	3.7	113
60	Entamoeba histolytica cysteine proteinases with interleukin-1 beta converting enzyme (ICE) activity cause intestinal inflammation and tissue damage in amoebiasis. <i>Molecular Microbiology</i> , <b>2000</b> , 37, 542-8	4.1	112
59	Mechanism and biological role of Dnmt2 in Nucleic Acid Methylation. <i>RNA Biology</i> , <b>2017</b> , 14, 1108-1123	4.8	103
58	Antisense inhibition of expression of the light subunit (35 kDa) of the Gal/GalNac lectin complex inhibits Entamoeba histolytica virulence. <i>Molecular Microbiology</i> , <b>1999</b> , 33, 327-37	4.1	97
57	Antisense inhibition of expression of cysteine proteinases does not affect Entamoeba histolytica cytopathic or haemolytic activity but inhibits phagocytosis. <i>Molecular Microbiology</i> , <b>1998</b> , 28, 777-85	4.1	96
56	Characterization of cytosine methylated regions and 5-cytosine DNA methyltransferase (EhMeth) in the protozoan parasite Entamoeba histolytica. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, 287-97	20.1	92
55	Down regulation of Entamoeba histolytica virulence by monoxenic cultivation with Escherichia coli O55 is related to a decrease in expression of the light (35-kilodalton) subunit of the Gal/GalNac lectin. <i>Infection and Immunity</i> , <b>1999</b> , 67, 2096-102	3.7	69
54	A new nuclear function of the Entamoeba histolytica glycolytic enzyme enolase: the metabolic regulation of cytosine-5 methyltransferase 2 (Dnmt2) activity. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1000775	7.6	57
53	Consumption of L-arginine mediated by Entamoeba histolytica L-arginase (EhArg) inhibits amoebicidal activity and nitric oxide production by activated macrophages. <i>Parasite Immunology</i> , <b>2003</b> , 25, 597-608	2.2	46
52	Pleiotropic phenotype in Entamoeba histolytica overexpressing DNA methyltransferase (EhMeth). <i>Molecular and Biochemical Parasitology</i> , <b>2006</b> , 147, 48-54	1.9	44
51	Enteric bacteria boost defences against oxidative stress in Entamoeba histolytica. <i>Scientific Reports</i> , <b>2018</b> , 8, 9042	4.9	38
50	Glucose starvation boosts Entamoeba histolytica virulence. <i>PLoS Neglected Tropical Diseases</i> , <b>2011</b> , 5, e1247	4.8	38
49	Identification of methylated sequences in genomic DNA of adult Drosophila melanogaster. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 322, 465-9	3.4	38
48	Proteolysis of enteric cell villin by Entamoeba histolytica cysteine proteinases. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 22650-6	5.4	34
47	Nitric oxide inhibits cysteine proteinases and alcohol dehydrogenase 2 of Entamoeba histolytica. <i>Parasitology Research</i> , <b>2003</b> , 89, 146-9	2.4	32
46	Sensing DNA methylation in the protozoan parasite Entamoeba histolytica. <i>Molecular Microbiology</i> , <b>2006</b> , 62, 1373-86	4.1	31

45	Epigenetic and classical activation of <i>Entamoeba histolytica</i> heat shock protein 100 (EHsp100) expression. <i>FEBS Letters</i> , <b>2005</b> , 579, 6395-402	3.8	30
44	Molecular characterization of <i>Entamoeba histolytica</i> RNase III and AGO2, two RNA interference hallmark proteins. <i>Experimental Parasitology</i> , <b>2005</b> , 110, 265-9	2.1	29
43	Proteomic Identification of Oxidized Proteins in <i>Entamoeba histolytica</i> by Resin-Assisted Capture: Insights into the Role of Arginase in Resistance to Oxidative Stress. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004340	4.8	28
42	Reviving the RNA World: An Insight into the Appearance of RNA Methyltransferases. <i>Frontiers in Genetics</i> , <b>2016</b> , 7, 99	4.5	27
41	Structural insights into <i>Entamoeba histolytica</i> arginase and structure-based identification of novel non-amino acid based inhibitors as potential antiamebic molecules. <i>FEBS Journal</i> , <b>2019</b> , 286, 4135-4155	5.7	26
40	The Dnmt2 RNA methyltransferase homolog of <i>Geobacter sulfurreducens</i> specifically methylates tRNA-Glu. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 6487-96	20.1	25
39	The <i>Entamoeba histolytica</i> Dnmt2 homolog (Ehmeth) confers resistance to nitrosative stress. <i>Eukaryotic Cell</i> , <b>2014</b> , 13, 494-503		24
38	<i>Entamoeba histolytica</i> DNA methyltransferase (Ehmeth) is a nuclear matrix protein that binds EhMRS2, a DNA that includes a scaffold/matrix attachment region (S/MAR). <i>Molecular and Biochemical Parasitology</i> , <b>2005</b> , 139, 91-7	1.9	23
37	A <i>Brevibacterium linens</i> pRBL1 replicon functional in <i>Corynebacterium glutamicum</i> . <i>Plasmid</i> , <b>1996</b> , 36, 36-41	3.3	23
36	Identification of dihydropyrimidine dehydrogenase as a virulence factor essential for the survival of <i>Entamoeba histolytica</i> in glucose-poor environments. <i>Cellular Microbiology</i> , <b>2013</b> , 15, 130-44	3.9	22
35	DNA methylation and targeting of LINE retrotransposons in <i>Entamoeba histolytica</i> and <i>Entamoeba invadens</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2006</b> , 147, 55-63	1.9	22
34	Utilization of Different Omic Approaches to Unravel Stress Response Mechanisms in the Parasite. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2018</b> , 8, 19	5.9	21
33	Proteomic identification of S-nitrosylated proteins in the parasite <i>Entamoeba histolytica</i> by resin-assisted capture: insights into the regulation of the Gal/GalNAc lectin by nitric oxide. <i>PLoS ONE</i> , <b>2014</b> , 9, e91518	3.7	21
32	Electrotransformation of highly DNA-restrictive corynebacteria with synthetic DNA. <i>Plasmid</i> , <b>1996</b> , 35, 62-6	3.3	21
31	Trichostatin A regulates peroxiredoxin expression and virulence of the parasite <i>Entamoeba histolytica</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2008</b> , 158, 82-94	1.9	19
30	Molecular cloning, expression and characterization of a serine proteinase inhibitor gene from <i>Entamoeba histolytica</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2004</b> , 133, 153-62	1.9	18
29	<i>Escherichia coli</i> mediated resistance of <i>Entamoeba histolytica</i> to oxidative stress is triggered by oxaloacetate. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007295	7.6	18
28	EhMLBP is an essential constituent of the <i>Entamoeba histolytica</i> epigenetic machinery and a potential drug target. <i>Molecular Microbiology</i> , <b>2008</b> , 69, 55-66	4.1	17

27	Structure analysis of Entamoeba histolytica DNMT2 (EhMeth). <i>PLoS ONE</i> , <b>2012</b> , 7, e38728	3.7	14
26	Target identification and intervention strategies against amebiasis. <i>Drug Resistance Updates</i> , <b>2019</b> , 44, 1-14	23.2	13
25	In vitro tRNA methylation assay with the Entamoeba histolytica DNA and tRNA methyltransferase Dnmt2 (Ehmeth) enzyme. <i>Journal of Visualized Experiments</i> , <b>2010</b> ,	1.6	13
24	N-acetyl ornithine deacetylase is a moonlighting protein and is involved in the adaptation of Entamoeba histolytica to nitrosative stress. <i>Scientific Reports</i> , <b>2016</b> , 6, 36323	4.9	12
23	Structure analysis of Entamoeba histolytica enolase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2011</b> , 67, 619-27		12
22	Identification of S-Nitrosylated (SNO) Proteins in Adapted to Nitrosative Stress: Insights into the Role of SNO Actin and Virulence. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 192	5.9	11
21	Epigenetics in the unicellular parasite Entamoeba histolytica. <i>Future Microbiology</i> , <b>2010</b> , 5, 1875-84	2.9	10
20	Improved electro-transformation of highly DNA-restrictive corynebacteria with DNA extracted from starved Escherichia coli. <i>FEMS Microbiology Letters</i> , <b>1996</b> , 140, 247-51	2.9	10
19	Entamoeba histolytica adaptation to glucose starvation: a matter of life and death. <i>Current Opinion in Microbiology</i> , <b>2014</b> , 20, 139-45	7.9	8
18	Pathogenesis of Entamoeba histolytica depends on the concerted action of numerous virulence factors. <i>Archives of Medical Research</i> , <b>2000</b> , 31, S214-5	6.6	8
17	Involvement of serine proteinases during encystation of Entamoeba invadens. <i>Archives of Medical Research</i> , <b>2000</b> , 31, S187-9	6.6	7
16	Formation of oxidised (OX) proteins in Entamoeba histolytica exposed to auranofin and consequences on the parasite virulence. <i>Cellular Microbiology</i> , <b>2020</b> , 22, e13174	3.9	6
15	Stress granule formation in Entamoeba histolytica: cross-talk between EhMLBP, EhRLE3 reverse transcriptase and polyubiquitinated proteins. <i>Cellular Microbiology</i> , <b>2014</b> , 16, 1211-23	3.9	5
14	What do unicellular organisms teach us about DNA methylation?. <i>Trends in Parasitology</i> , <b>2008</b> , 24, 205-9	6.4	5
13	Queuine Is a Nutritional Regulator of Entamoeba histolytica Response to Oxidative Stress and a Virulence Attenuator. <i>MBio</i> , <b>2021</b> , 12,	7.8	5
12	The Entamoeba histolytica methylated LINE-binding protein EhMLBP provides protection against heat shock. <i>Cellular Microbiology</i> , <b>2012</b> , 14, 58-70	3.9	4
11	Insights into the mechanism of DNA recognition by the methylated LINE binding protein EhMLBP of Entamoeba histolytica. <i>Molecular and Biochemical Parasitology</i> , <b>2009</b> , 166, 117-25	1.9	4
10	Applying antisense technology to the study of entamoeba histolytica pathogenesis: response. <i>Trends in Microbiology</i> , <b>1999</b> , 7, 473-4	12.4	4

9	Progress and prospects of gene inactivation in <i>Entamoeba histolytica</i> . <i>Experimental Parasitology</i> , <b>2008</b> , 118, 151-5	2.1	3
8	-Gut Microbiota Interaction: More Than Meets the Eye. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	3
7	Adaption to Auranofin: A Phenotypic and Multi-Omics Characterization. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	2
6	Strategies of the protozoan parasite <i>Entamoeba histolytica</i> to evade the innate immune responses of intestinal epithelial cells. <i>Journal of Biosciences</i> , <b>2002</b> , 27, 609-614	2.3	1
5	Queuine is a nutritional regulator of <i>Entamoeba histolytica</i> response to oxidative stress and a virulence attenuator		1
4	Are Metabolites From the Gut Microbiota Capable of Regulating Epigenetic Mechanisms in the Human Parasite ?. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 841586	5.7	0
3	Insights into the Mechanisms of <i>Lactobacillus acidophilus</i> Activity against <i>Entamoeba histolytica</i> by Using Thiol Redox Proteomics. <i>Antioxidants</i> , <b>2022</b> , 11, 814	7.1	0
2	Does the light subunit of the Gal/GalNAc specific lectin have a role in the virulence of <i>Entamoeba histolytica</i> ?. <i>Archives of Medical Research</i> , <b>2000</b> , 31, S239-41	6.6	
1	Integrative Omics Analysis of the Effect of Bacteria on the Resistance of <i>Entamoeba histolytica</i> to Oxidative Stress <b>2020</b> , 31-43		