

Najib M El-Sayed

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.

88

papers

8,069

citations

40

h-index

89

g-index

98

ext. papers

9,107

ext. citations

7.8

avg. IF

4.86

L-index

#	Paper	IF	Citations
88	The genome of the African trypanosome <i>Trypanosoma brucei</i> . <i>Science</i> , 2005 , 309, 416-22	33.3	1323
87	The genome sequence of <i>Trypanosoma cruzi</i> , etiologic agent of Chagas disease. <i>Science</i> , 2005 , 309, 409-15	33.3	1085
86	The genome of the blood fluke <i>Schistosoma mansoni</i> . <i>Nature</i> , 2009 , 460, 352-8	50.4	822
85	The genome of the protist parasite <i>Entamoeba histolytica</i> . <i>Nature</i> , 2005 , 433, 865-8	50.4	701
84	Comparative genomics of trypanosomatid parasitic protozoa. <i>Science</i> , 2005 , 309, 404-9	33.3	614
83	Draft genome of the filarial nematode parasite <i>Brugia malayi</i> . <i>Science</i> , 2007 , 317, 1756-60	33.3	513
82	The Cell Wall Lipid PDIM Contributes to Phagosomal Escape and Host Cell Exit of. <i>MBio</i> , 2017 , 8,	7.8	110
81	cDNA expressed sequence tags of <i>Trypanosoma brucei rhodesiense</i> provide new insights into the biology of the parasite. <i>Molecular and Biochemical Parasitology</i> , 1995 , 73, 75-90	1.9	109
80	Multiple mechanisms of immune evasion by African trypanosomes. <i>Molecular and Biochemical Parasitology</i> , 1998 , 91, 51-66	1.9	101
79	Transcriptome Remodeling in <i>Trypanosoma cruzi</i> and Human Cells during Intracellular Infection. <i>PLoS Pathogens</i> , 2016 , 12, e1005511	7.6	99
78	Genomic organization and expression profile of the mucin-associated surface protein (masp) family of the human pathogen <i>Trypanosoma cruzi</i> . <i>Nucleic Acids Research</i> , 2009 , 37, 3407-17	20.1	89
77	Gene synteny and evolution of genome architecture in trypanosomatids. <i>Molecular and Biochemical Parasitology</i> , 2004 , 134, 183-91	1.9	83
76	Genetic nomenclature for <i>Trypanosoma</i> and <i>Leishmania</i> . <i>Molecular and Biochemical Parasitology</i> , 1998 , 97, 221-4	1.9	81
75	Members of a large retroposon family are determinants of post-transcriptional gene expression in <i>Leishmania</i> . <i>PLoS Pathogens</i> , 2007 , 3, 1291-307	7.6	81
74	Essential Genes in the Core Genome of the Human Pathogen <i>Streptococcus pyogenes</i> . <i>Scientific Reports</i> , 2015 , 5, 9838	4.9	79
73	A new, expressed multigene family containing a hot spot for insertion of retroelements is associated with polymorphic subtelomeric regions of <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , 2002 , 1, 137-51		75
72	The African trypanosome genome. <i>International Journal for Parasitology</i> , 2000 , 30, 329-45	4.3	75

71	The Alveolate <i>Perkinsus marinus</i> : biological insights from EST gene discovery. <i>BMC Genomics</i> , 2010 , 11, 228	4.5	61
70	<i>Trypanosoma cruzi</i> mitochondrial maxicircles display species- and strain-specific variation and a conserved element in the non-coding region. <i>BMC Genomics</i> , 2006 , 7, 60	4.5	60
69	Dual Transcriptome Profiling of <i>Leishmania</i> -Infected Human Macrophages Reveals Distinct Reprogramming Signatures. <i>MBio</i> , 2016 , 7,	7.8	59
68	Advances in schistosome genomics. <i>Trends in Parasitology</i> , 2004 , 20, 154-7	6.4	59
67	Differential Content of Proteins, mRNAs, and miRNAs Suggests that MDSC and Their Exosomes May Mediate Distinct Immune Suppressive Functions. <i>Journal of Proteome Research</i> , 2018 , 17, 486-498	5.6	59
66	Identification of <i>Schistosoma mansoni</i> microRNAs. <i>BMC Genomics</i> , 2011 , 12, 47	4.5	56
65	Analysis of stage-specific gene expression in the bloodstream and the procyclic form of <i>Trypanosoma brucei</i> using a genomic DNA-microarray. <i>Molecular and Biochemical Parasitology</i> , 2002 , 123, 115-23	1.9	56
64	Transcriptomic profiling of gene expression and RNA processing during <i>Leishmania major</i> differentiation. <i>Nucleic Acids Research</i> , 2015 , 43, 6799-813	20.1	55
63	Analysis of fat body transcriptome from the adult tsetse fly, <i>Glossina morsitans morsitans</i> . <i>Insect Molecular Biology</i> , 2006 , 15, 411-24	3.4	54
62	Simultaneous transcriptional profiling of <i>Leishmania major</i> and its murine macrophage host cell reveals insights into host-pathogen interactions. <i>BMC Genomics</i> , 2015 , 16, 1108	4.5	53
61	The genetic map and comparative analysis with the physical map of <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2005 , 33, 6688-93	20.1	53
60	<i>Schistosoma mansoni</i> genome project: an update. <i>Parasitology International</i> , 2004 , 53, 183-92	2.1	52
59	The Transcriptome of Developmental Stages in Their Natural Sand Fly Vector. <i>MBio</i> , 2017 , 8,	7.8	51
58	Identification of immediate response genes dominantly expressed in juvenile resistant and susceptible <i>Biomphalaria glabrata</i> snails upon exposure to <i>Schistosoma mansoni</i> . <i>Molecular and Biochemical Parasitology</i> , 2010 , 169, 27-39	1.9	51
57	Transcriptional profiling of the hyperthermophilic methanarchaeon <i>Methanococcus jannaschii</i> in response to lethal heat and non-lethal cold shock. <i>Environmental Microbiology</i> , 2005 , 7, 789-97	5.2	50
56	The sequence and analysis of <i>Trypanosoma brucei</i> chromosome II. <i>Nucleic Acids Research</i> , 2003 , 31, 4856-63	2.6	48
55	African trypanosomes have differentially expressed genes encoding homologues of the <i>Leishmania</i> GP63 surface protease. <i>Journal of Biological Chemistry</i> , 1997 , 272, 26742-8	5.4	45
54	The expression of a plant-type ferredoxin redox system provides molecular evidence for a plastid in the early dinoflagellate <i>Perkinsus marinus</i> . <i>Protist</i> , 2007 , 158, 119-30	2.5	44

53	More surprises from Kinetoplastida. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 2579-81	11.5	44
52	Meta-transcriptome Profiling of the Human-Leishmania braziliensis Cutaneous Lesion. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004992	4.8	44
51	A model for using a concept inventory as a tool for students assessment and faculty professional development. <i>CBE Life Sciences Education</i> , 2010 , 9, 408-16	3.4	43
50	Telomere and subtelomere of Trypanosoma cruzi chromosomes are enriched in (pseudo)genes of retrotransposon hot spot and trans-sialidase-like gene families: the origins of T. cruzi telomeres. <i>Gene</i> , 2005 , 346, 153-61	3.8	42
49	Promoter architecture and response to a positive regulator of archaeal transcription. <i>Molecular Microbiology</i> , 2005 , 56, 625-37	4.1	42
48	Assessing student understanding of host pathogen interactions using a concept inventory. <i>Journal of Microbiology and Biology Education</i> , 2009 , 10, 43-50	1.3	40
47	Identification of non-autonomous non-LTR retrotransposons in the genome of Trypanosoma cruzi. <i>Molecular and Biochemical Parasitology</i> , 2002 , 124, 73-8	1.9	40
46	A survey of the Trypanosoma brucei rhodesiense genome using shotgun sequencing. <i>Molecular and Biochemical Parasitology</i> , 1997 , 84, 167-78	1.9	39
45	Schistosoma mansoni genome: closing in on a final gene set. <i>Experimental Parasitology</i> , 2007 , 117, 225-82.1		37
44	Schistosoma mansoni (Platyhelminthes, Trematoda) nuclear receptors: sixteen new members and a novel subfamily. <i>Gene</i> , 2006 , 366, 303-15	3.8	35
43	Comparative transcriptome profiling of virulent and non-virulent Trypanosoma cruzi underlines the role of surface proteins during infection. <i>PLoS Pathogens</i> , 2017 , 13, e1006767	7.6	34
42	Sequence diversity and evolution of multigene families in Trypanosoma cruzi. <i>Molecular and Biochemical Parasitology</i> , 2008 , 157, 65-72	1.9	34
41	Host and parasite responses in human diffuse cutaneous leishmaniasis caused by L. amazonensis. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007152	4.8	33
40	The generation of macrophages with anti-inflammatory activity in the absence of STAT6 signaling. <i>Journal of Leukocyte Biology</i> , 2015 , 98, 395-407	6.5	33
39	Microarray analysis of gene expression induced by sexual contact in Schistosoma mansoni. <i>BMC Genomics</i> , 2007 , 8, 181	4.5	32
38	Discovery of glycerol phosphate modification on streptococcal rhamnose polysaccharides. <i>Nature Chemical Biology</i> , 2019 , 15, 463-471	11.7	30
37	Role of transposable elements in trypanosomatids. <i>Microbes and Infection</i> , 2008 , 10, 575-81	9.3	30
36	Molecular characterization of serine-, alanine-, and proline-rich proteins of Trypanosoma cruzi and their possible role in host cell infection. <i>Infection and Immunity</i> , 2006 , 74, 1537-46	3.7	30

35	Genome-wide discovery of novel M1T1 group A streptococcal determinants important for fitness and virulence during soft-tissue infection. <i>PLoS Pathogens</i> , 2017 , 13, e1006584	7.6	30
34	Evolution of non-LTR retrotransposons in the trypanosomatid genomes: <i>Leishmania major</i> has lost the active elements. <i>Molecular and Biochemical Parasitology</i> , 2006 , 145, 158-70	1.9	29
33	The ingi and RIME non-LTR retrotransposons are not randomly distributed in the genome of <i>Trypanosoma brucei</i> . <i>Molecular Biology and Evolution</i> , 2004 , 21, 520-8	8.3	29
32	Genome-wide analysis reveals novel genes essential for heme homeostasis in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2010 , 6, e1001044	6	28
31	<i>Trypanosoma cruzi</i> : RNA structure and post-transcriptional control of tubulin gene expression. <i>Experimental Parasitology</i> , 2002 , 102, 123-33	2.1	28
30	The <i>Trypanosoma cruzi</i> L1Tc and NARTc non-LTR retrotransposons show relative site specificity for insertion. <i>Molecular Biology and Evolution</i> , 2006 , 23, 411-20	8.3	23
29	Functional genomics of trypanosomatids. <i>Parasite Immunology</i> , 2012 , 34, 72-9	2.2	20
28	The fruBA Operon Is Necessary for Group A Streptococcal Growth in Fructose and for Resistance to Neutrophil Killing during Growth in Whole Human Blood. <i>Infection and Immunity</i> , 2016 , 84, 1016-1031	3.7	18
27	Transcript expression analysis of putative <i>Trypanosoma brucei</i> GPI-anchored surface proteins during development in the tsetse and mammalian hosts. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e17084	4.8	18
26	Analysis of a donor gene region for a variant surface glycoprotein and its expression site in African trypanosomes. <i>Nucleic Acids Research</i> , 2001 , 29, 2012-9	20.1	18
25	Comparative Transcriptome Profiling of Human Foreskin Fibroblasts Infected with the Sylvio and Y Strains of <i>Trypanosoma cruzi</i> . <i>PLoS ONE</i> , 2016 , 11, e0159197	3.7	17
24	<i>Plasmodium falciparum</i> merozoite surface protein 1 blocks the proinflammatory protein S100P. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5429-34	11.5	16
23	New <i>Trypanosoma cruzi</i> repeated element that shows site specificity for insertion. <i>Eukaryotic Cell</i> , 2007 , 6, 1228-38		15
22	Glucose Levels Alter the Mga Virulence Regulon in the Group A Streptococcus. <i>Scientific Reports</i> , 2018 , 8, 4971	4.9	14
21	Inhibits Autocrine Type I IFN Signaling to Increase Intracellular Survival. <i>Journal of Immunology</i> , 2019 , 202, 2348-2359	5.3	13
20	Differential expression of the expression site-associated gene I family in African trypanosomes. <i>Journal of Biological Chemistry</i> , 1996 , 271, 9771-7	5.4	12
19	<i>Schistosoma mansoni</i> : Microarray analysis of gene expression induced by host sex. <i>Experimental Parasitology</i> , 2008 , 120, 357-63	2.1	11
18	Cofactor-independent phosphoglycerate mutase is an essential gene in procyclic form <i>Trypanosoma brucei</i> . <i>Parasitology Research</i> , 2007 , 100, 887-92	2.4	9

17	Identification of Zinc-Dependent Mechanisms Used by Group B To Overcome Calprotectin-Mediated Stress. <i>MBio</i> , 2020 , 11,	7.8	9
16	Immune Complex-Driven Generation of Human Macrophages with Anti-Inflammatory and Growth-Promoting Activity. <i>Journal of Immunology</i> , 2020 , 205, 102-112	5.3	7
15	Using a Concept Inventory to Reveal Student Thinking Associated with Common Misconceptions about Antibiotic Resistance. <i>Journal of Microbiology and Biology Education</i> , 2017 , 18,	1.3	6
14	Genomic analysis of sequence-dependent DNA curvature in Leishmania. <i>PLoS ONE</i> , 2013 , 8, e63068	3.7	5
13	The Transcriptional Regulator CpsY Is Important for Innate Immune Evasion in Streptococcus pyogenes. <i>Infection and Immunity</i> , 2017 , 85,	3.7	4
12	Gene expression network analyses during infection with virulent and avirulent Trypanosoma cruzi strains unveil a role for fibroblasts in neutrophil recruitment and activation. <i>PLoS Pathogens</i> , 2020 , 16, e1008781	7.6	4
11	A zinc finger protein that is implicated in the control of epimastigote-specific gene expression and metacyclogenesis. <i>Parasitology</i> , 2021 , 148, 1171-1185	2.7	3
10	Intrinsic DNA curvature in trypanosomes. <i>BMC Research Notes</i> , 2017 , 10, 585	2.3	2
9	The genome and its implications. <i>Advances in Parasitology</i> , 2011 , 75, 209-30	3.2	2
8	The transition of M-CSF-derived human macrophages to a growth-promoting phenotype. <i>Blood Advances</i> , 2020 , 4, 5460-5472	7.8	2
7	Genetics of Trypanosoma cruzi 2010 , 433-457		1
6	Sequencing strategies for parasite genomes. <i>Methods in Molecular Biology</i> , 2004 , 270, 1-16	1.4	1
5	Crystallization and preliminary X-ray investigation of the recombinant Trypanosoma brucei rhodesiense calmodulin. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995 , 21, 354-7	4.2	1
4	Discovery of glycerol phosphate modification on streptococcal rhamnose polysaccharides		1
3	A Trypanosoma cruzi Zinc Finger protein that controls expression of epimastigote specific genes and affects metacyclogenesis		1
2	PIWI silencing mechanism involving the retrotransposon nimbus orchestrates resistance to infection with Schistosoma mansoni in the snail vector, Biomphalaria glabrata. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009094	4.8	1
1	Early Leukocyte Responses in Models of Healing and Non-Healing Human Infections. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 687607	5.9	