

# Abhay R Satoskar

## List of Publications by Year in descending order

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101  
papers

3,596  
citations

186265

28  
h-index

149698

56  
g-index

133  
all docs

133  
docs citations

133  
times ranked

5095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted Disruption of Migration Inhibitory Factor Gene Reveals Its Critical Role in Sepsis. <i>Journal of Experimental Medicine</i> , 1999, 189, 341-346.	8.5	510
2	Development of chronic colitis is dependent on the cytokine MIF. <i>Nature Immunology</i> , 2001, 2, 1061-1066.	14.5	288
3	SAP controls T cell responses to virus and terminal differentiation of TH2 cells. <i>Nature Immunology</i> , 2001, 2, 410-414.	14.5	219
4	A Novel MIF Signaling Pathway Drives the Malignant Character of Pancreatic Cancer by Targeting NR3C2. <i>Cancer Research</i> , 2016, 76, 3838-3850.	0.9	212
5	Modulation of the tumor microenvironment and inhibition of EGF/EGFR pathway: Novel anti-tumor mechanisms of Cannabidiol in breast cancer. <i>Molecular Oncology</i> , 2015, 9, 906-919.	4.6	170
6	Migration-Inhibitory Factor Gene-Deficient Mice Are Susceptible to Cutaneous <i>Leishmania major</i> Infection. <i>Infection and Immunity</i> , 2001, 69, 906-911.	2.2	117
7	Fibroblast-derived CXCL12 promotes breast cancer metastasis by facilitating tumor cell intravasation. <i>Oncogene</i> , 2018, 37, 4428-4442.	5.9	95
8	A second generation leishmanization vaccine with a markerless attenuated <i>Leishmania major</i> strain using CRISPR gene editing. <i>Nature Communications</i> , 2020, 11, 3461.	12.8	72
9	Genetic background influences immune responses and disease outcome of cutaneous <i>L. mexicana</i> infection in mice. <i>International Immunology</i> , 2005, 17, 1347-1357.	4.0	68
10	STAT-4 mediated IL-12 signaling pathway is critical for the development of protective immunity in cutaneous leishmaniasis. <i>European Journal of Immunology</i> , 1999, 29, 2524-2529.	2.9	64
11	Ly6Chi inflammatory monocytes promote susceptibility to <i>Leishmania donovani</i> infection. <i>Scientific Reports</i> , 2017, 7, 14693.	3.3	62
12	Immunomodulatory and Antileishmanial Activity of Phenylpropanoid Dimers Isolated from <i>Nectandra leucantha</i> . <i>Journal of Natural Products</i> , 2015, 78, 653-657.	3.0	58
13	IL-17A promotes susceptibility during experimental visceral leishmaniasis caused by <i>Leishmania donovani</i> . <i>FASEB Journal</i> , 2016, 30, 1135-1143.	0.5	58
14	Characterization of Cross-Protection by Genetically Modified Live-Attenuated <i>Leishmania donovani</i> Parasites against <i>Leishmania mexicana</i> . <i>Journal of Immunology</i> , 2014, 193, 3513-3527.	0.8	56
15	Cytokines and Their STATs in Cutaneous and Visceral Leishmaniasis. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-6.	3.0	52
16	Ibrutinib treatment inhibits breast cancer progression and metastasis by inducing conversion of myeloid-derived suppressor cells to dendritic cells. <i>British Journal of Cancer</i> , 2020, 122, 1005-1013.	6.4	52
17	Sterols with antileishmanial activity isolated from the roots of <i>Pentalinon andrieuxii</i> . <i>Phytochemistry</i> , 2012, 82, 128-135.	2.9	49
18	Mannosylated thiolated paromomycin-loaded PLGA nanoparticles for the oral therapy of visceral leishmaniasis. <i>Nanomedicine</i> , 2019, 14, 387-406.	3.3	47

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19	The PACAP-type I receptor agonist maxadilan from sand fly saliva protects mice against lethal endotoxemia by a mechanism partially dependent on IL-10. <i>European Journal of Immunology</i> , 1998, 28, 3120-3127.	2.9	45
20	Host-Directed Drug Therapies for Neglected Tropical Diseases Caused by Protozoan Parasites. <i>Frontiers in Microbiology</i> , 2018, 9, 2655.	3.5	45
21	Leishmania inhibits STAT1-mediated IFN- $\gamma$ signaling in macrophages: increased tyrosine phosphorylation of dominant negative STAT1 $\Delta$ 2 by <i>Leishmania mexicana</i> . <i>International Journal for Parasitology</i> , 2005, 35, 75-82.	3.1	42
22	Daratumumab induces CD38 internalization and impairs myeloma cell adhesion. <i>Oncolimmunology</i> , 2018, 7, e1486948.	4.6	41
23	Macrophage migration inhibitory factor inhibition as a novel therapeutic approach against triple-negative breast cancer. <i>Cell Death and Disease</i> , 2020, 11, 774.	6.3	39
24	Bioactive indole alkaloids isolated from <i>Alstonia angustifolia</i> . <i>Phytochemistry Letters</i> , 2014, 10, liv-lix.	1.2	35
25	Development and evaluation of novel miltefosine-polyphenol co-loaded second generation nano-transfersomes for the topical treatment of cutaneous leishmaniasis. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 97-110.	5.0	34
26	Antileishmanial and Cytotoxic Activity of Some Highly Oxidized Abietane Diterpenoids from the Bald Cypress, <i>Taxodium distichum</i> . <i>Journal of Natural Products</i> , 2016, 79, 598-606.	3.0	33
27	MiR-16 regulates crosstalk in NF- $\kappa$ B tolerogenic inflammatory signaling between myeloma cells and bone marrow macrophages. <i>JCI Insight</i> , 2019, 4, .	5.0	33
28	Deletion of macrophage migration inhibitory factor inhibits murine oral carcinogenesis: Potential role for chronic pro-inflammatory immune mediators. <i>International Journal of Cancer</i> , 2016, 139, 1379-1390.	5.1	32
29	Ibrutinib enhances IL-17 response by modulating the function of bone marrow derived dendritic cells. <i>Oncolimmunology</i> , 2016, 5, e1057385.	4.6	31
30	Extraintestinal Helminth Infection Limits Pathology and Proinflammatory Cytokine Expression during DSS-Induced Ulcerative Colitis: A Role for Alternatively Activated Macrophages and Prostaglandins. <i>BioMed Research International</i> , 2015, 2015, 1-17.	1.9	30
31	STAT1 gene deficient mice develop accelerated breast cancer growth and metastasis which is reduced by IL-17 blockade. <i>Oncolimmunology</i> , 2017, 6, e1361088.	4.6	30
32	CXCR3 expression defines a novel subset of innate CD8 + T cells that enhance immunity against bacterial infection and cancer upon stimulation with IL-15. <i>FASEB Journal</i> , 2015, 29, 1019-1028.	0.5	29
33	Helminth-induced Ly6Chi monocyte-derived alternatively activated macrophages suppress experimental autoimmune encephalomyelitis. <i>Scientific Reports</i> , 2017, 7, 40814.	3.3	28
34	Design of mannosylated oral amphotericin B nanoformulation: efficacy and safety in visceral leishmaniasis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 521-531.	2.8	28
35	Susceptibility to <i>Leishmania mexicana</i> infection is due to the inability to produce IL-12 rather than lack of IL-12 responsiveness. <i>Immunology and Cell Biology</i> , 2001, 79, 320-322.	2.3	27
36	Pediatric Cutaneous Leishmaniasis in an Endemic Region in India. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 901-904.	1.4	27

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37	Uncovering Leishmania's macrophage interplay using imaging flow cytometry. <i>Journal of Immunological Methods</i> , 2015, 423, 93-98.	1.4	27
38	From infection to vaccination: reviewing the global burden, history of vaccine development, and recurring challenges in global leishmaniasis protection. <i>Expert Review of Vaccines</i> , 2021, 20, 1431-1446.	4.4	27
39	Topical treatment of cutaneous leishmaniasis with novel amphotericin B-miltefosine co-incorporated second generation ultra-deformable liposomes. <i>International Journal of Pharmaceutics</i> , 2020, 573, 118900.	5.2	25
40	Nano-elastic liposomes as multidrug carrier of sodium stibogluconate and ketoconazole: A potential new approach for the topical treatment of cutaneous Leishmaniasis. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 145, 105256.	4.0	25
41	<i>Pentalinon andrieuxii</i> Root Extract is Effective in the Topical Treatment of Cutaneous Leishmaniasis Caused by <i>Leishmania mexicana</i> . <i>Phytotherapy Research</i> , 2014, 28, 909-916.	5.8	24
42	Immune response to infection by Leishmania: A mathematical model. <i>Mathematical Biosciences</i> , 2016, 276, 28-43.	1.9	24
43	The Potent ITK/BTK Inhibitor Ibrutinib Is Effective for the Treatment of Experimental Visceral Leishmaniasis Caused by <i>Leishmania donovani</i> . <i>Journal of Infectious Diseases</i> , 2019, 219, 599-608.	4.0	24
44	Determinants of Innate Immunity in Visceral Leishmaniasis and Their Implication in Vaccine Development. <i>Frontiers in Immunology</i> , 2021, 12, 748325.	4.8	24
45	Efficacy, Safety and Cost-Effectiveness of Thermotherapy in the Treatment of <i>Leishmania donovani</i> -Induced Cutaneous Leishmaniasis: A Randomized Controlled Clinical Trial. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 97, 1120-1126.	1.4	22
46	Northalrugosidine Is a Bisbenzyltetrahydroisoquinoline Alkaloid from <i>Thalictrum alpinum</i> with in Vivo Antileishmanial Activity. <i>Journal of Natural Products</i> , 2015, 78, 552-556.	3.0	21
47	Deficiency in STAT1 Signaling Predisposes Gut Inflammation and Prompts Colorectal Cancer Development. <i>Cancers</i> , 2018, 10, 341.	3.7	21
48	Pediatric Cutaneous Leishmaniasis in an Endemic Region in Turkey: A Retrospective Analysis of 8786 Cases during 1998-2014. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004835.	3.0	20
49	Meglumine antimoniate is more effective than sodium stibogluconate in the treatment of cutaneous leishmaniasis. <i>Journal of Dermatological Treatment</i> , 2016, 27, 83-87.	2.2	20
50	Topical treatment with nanoliposomal Amphotericin B reduces early lesion growth but fails to induce cure in an experimental model of cutaneous leishmaniasis caused by <i>Leishmania mexicana</i> . <i>Acta Tropica</i> , 2017, 173, 102-108.	2.0	20
51	MIF Promotes Classical Activation and Conversion of Inflammatory Ly6Chigh Monocytes into TipDCs during Murine Toxoplasmosis. <i>Mediators of Inflammation</i> , 2016, 2016, 1-18.	3.0	19
52	Elevated Expression of Macrophage Migration Inhibitory Factor Promotes Inflammatory Bone Resorption Induced in a Mouse Model of Periradicular Periodontitis. <i>Journal of Immunology</i> , 2019, 202, 2035-2043.	0.8	19
53	Centrin-deficient <i>Leishmania mexicana</i> confers protection against New World cutaneous leishmaniasis. <i>Npj Vaccines</i> , 2022, 7, 32.	6.0	19
54	A Novel Sterol Isolated from a Plant Used by Mayan Traditional Healers Is Effective in Treatment of Visceral Leishmaniasis Caused by <i>Leishmania donovani</i> . <i>ACS Infectious Diseases</i> , 2015, 1, 497-506.	3.8	18

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55	A Tec kinase BTK inhibitor ibrutinib promotes maturation and activation of dendritic cells. <i>Oncolmmunology</i> , 2016, 5, e1151592.	4.6	17
56	MicroRNA-21 Deficiency Promotes the Early Th1 Immune Response and Resistance toward Visceral Leishmaniasis. <i>Journal of Immunology</i> , 2021, 207, 1322-1332.	0.8	17
57	MIF Antagonist (CPSI-1306) Protects against UVB-Induced Squamous Cell Carcinoma. <i>Molecular Cancer Research</i> , 2014, 12, 1292-1302.	3.4	16
58	Intestinal Epithelial Cells Regulate Gut Eotaxin Responses and Severity of Allergy. <i>Frontiers in Immunology</i> , 2018, 9, 1692.	4.8	14
59	MicroRNA 155 Contributes to Host Immunity against <i>Leishmania donovani</i> but Is Not Essential for Resolution of Infection. <i>Infection and Immunity</i> , 2019, 87, .	2.2	14
60	Interleukin-4-deficient BALB/c mice develop an enhanced Th1-like response but control cardiac inflammation following <i>Borrelia burgdorferi</i> infection. <i>FEMS Microbiology Letters</i> , 2000, 183, 319-325.	1.8	13
61	Host-directed therapies for parasitic diseases. <i>Future Medicinal Chemistry</i> , 2019, 11, 1999-2018.	2.3	13
62	Understanding the immune responses involved in mediating protection or immunopathology during leishmaniasis. <i>Biochemical Society Transactions</i> , 2021, 49, 297-311.	3.4	13
63	The History of Live Attenuated Centrin Gene-Deleted <i>Leishmania</i> Vaccine Candidates. <i>Pathogens</i> , 2022, 11, 431.	2.8	13
64	Evaluation of synergy between host and pathogen-directed therapies against intracellular <i>Leishmania donovani</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2019, 10, 125-132.	3.4	12
65	Differential gene expression pattern in biopsies with renal allograft pyelonephritis and allograft rejection. <i>Clinical Transplantation</i> , 2016, 30, 1115-1133.	1.6	11
66	A listeriolysin O subunit vaccine is protective against <i>Listeria monocytogenes</i> . <i>Vaccine</i> , 2020, 38, 5803-5813.	3.8	11
67	Signals through CD40 Play a Critical Role in the Pathophysiology of <i>Schistosoma Mansoni</i> Egg Antigenâ€“Induced Allergic Rhinitis in Mice. <i>American Journal of Rhinology &amp; Allergy</i> , 2006, 20, 165-169.	2.2	10
68	Lymphocytes influence <i>Leishmania</i> major pathogenesis in a strain-dependent manner. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007865.	3.0	10
69	Integrative genomic, proteomic and phenotypic studies of <i>Leishmania donovani</i> strains revealed genetic features associated with virulence and antimony-resistance. <i>Parasites and Vectors</i> , 2020, 13, 510.	2.5	10
70	Pentalinosterol, a Constituent of <i>Pentalinon andrieuxii</i> , Possesses Potent Immunomodulatory Activity and Primes T Cell Immune Responses. <i>Journal of Natural Products</i> , 2017, 80, 2515-2523.	3.0	10
71	Transgenic Expression of CXCR3 on T Cells Enhances Susceptibility to Cutaneous <i>Leishmania</i> major Infection by Inhibiting Monocyte Maturation and Promoting a Th2 Response. <i>Infection and Immunity</i> , 2015, 83, 67-76.	2.2	9
72	A Comparison of Demographic and Clinical Characteristics of Syrian and Turkish Patients with Cutaneous Leishmaniasis. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 93, 559-563.	1.4	9

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73	<i>Taenia crassiceps</i> -Excreted/Secreted Products Induce a Defined MicroRNA Profile that Modulates Inflammatory Properties of Macrophages. <i>Journal of Immunology Research</i> , 2019, 2019, 1-24.	2.2	9
74	Oral delivery and enhanced efficacy of antimonial drug through macrophage-guided multifunctional nanocargoes against visceral Leishmaniasis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 152, 307-317.	4.3	9
75	Effect of Short-Term Tacrolimus Exposure on Rat Liver: An Insight into Serum Antioxidant Status, Liver Lipid Peroxidation, and Inflammation. <i>Mediators of Inflammation</i> , 2021, 2021, 1-12.	3.0	9
76	Surfactant free synthesis of cationic nano-vesicles: A safe triple drug loaded vehicle for the topical treatment of cutaneous leishmaniasis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 40, 102490.	3.3	9
77	STAT4 is required for the generation of Th1 and Th2, but not Th17 immune responses during monophosphoryl lipid A adjuvant activity. <i>International Immunology</i> , 2016, 28, 565-570.	4.0	8
78	Interleukin-27 signalling induces stem cell antigen-1 expression in T lymphocytes <i>in vivo</i> . <i>Immunology</i> , 2017, 152, 638-647.	4.4	8
79	MicroRNA155 Plays a Critical Role in the Pathogenesis of Cutaneous <i>Leishmania major</i> Infection by Promoting a Th2 Response and Attenuating Dendritic Cell Activity. <i>American Journal of Pathology</i> , 2021, 191, 809-816.	3.8	8
80	Ox40 pathway plays distinct roles in regulating Th2 responses but does not determine outcome of cutaneous leishmaniasis caused by <i>Leishmania mexicana</i> and <i>Leishmania major</i> . <i>Experimental Parasitology</i> , 2015, 148, 49-55.	1.2	7
81	Inhibitors of elastase stimulate murine B lymphocyte differentiation into IgG <sub>1</sub> - and IgA <sub>1</sub> -producing cells. <i>European Journal of Immunology</i> , 2018, 48, 1295-1301.	2.9	7
82	Risk of aortic dissection in patients with ascending aorta aneurysm: a new biological, morphological, and biomechanical network behind the aortic diameter. <i>Vessel Plus</i> , 2020, 4, 28.	0.4	7
83	<i>Leishmania Major</i> Centrin Gene-Deleted Parasites Generate Skin Resident Memory T-Cell Immune Response Analogous to Leishmanization. <i>Frontiers in Immunology</i> , 2022, 13, 864031.	4.8	7
84	Challenges for management of post kala-azar dermal leishmaniasis and future directions. <i>Research and Reports in Tropical Medicine</i> , 2014, 5, 105.	1.4	6
85	Leishmanicidal activity of racemic $\pm$ 8-[(4-Amino-1-methylbutyl)amino]-6-methoxy-4-methyl-5-[3,4-dichlorophenoxy]quinoline. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	5
86	Leishmanicidal Activity of Artemisinin, Deoxyartemisinin, Artemether and Arteether. <i>Natural Product Communications</i> , 2007, 2, 1934578X0700200.	0.5	3
87	STAT1-Dependent Recruitment of Ly6ChiCCR2+ Inflammatory Monocytes and M2 Macrophages in a Helminth Infection. <i>Pathogens</i> , 2021, 10, 1287.	2.8	3
88	MIF in Parasitic and Helminthic Infections. , 2007, , 133-151.		2
89	Cutaneous Leishmaniasis due to Three <i>Leishmania</i> Species Among Syrian Refugees in Sanliurfa, Southeastern Turkey. <i>Acta Parasitologica</i> , 2020, 65, 936-948.	1.1	2
90	Pentalinosterol, a Phytosterol from <i>Pentalinon andrieuxii</i> , is Immunomodulatory through Phospholipase A2 in Macrophages toward its Antileishmanial Action. <i>Cell Biochemistry and Biophysics</i> , 2021, , 1.	1.8	2

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91	Transgenic T cell-specific expression of CXCR3 enhances splenic and hepatic T cell accumulation but does not affect the outcome of visceral leishmaniasis. Cellular Immunology, 2016, 309, 61-68.	3.0	1
92	Role of Macrophage Migration Inhibitory Factor (MIF) in Parasitic Diseases. , 2012, , 215-230.		0
93	Immunology and Cell Biology of Parasitic Diseases 2014. BioMed Research International, 2015, 2015, 1-3.	1.9	0
94	Treatment Options for Leishmaniasis. Current Clinical Microbiology Reports, 2016, 3, 198-203.	3.4	0
95	Molecular characterization and genetic diversity of cutaneous leishmaniasis from North Eastern Pakistan. Acta Tropica, 2021, 221, 105964.	2.0	0
96	Macrophage migration inhibitory factor (MIF):A novel therapeutic target against aggressive breast cancer. FASEB Journal, 2019, 33, 674.3.	0.5	0
97	Lymphocytes influence Leishmania major pathogenesis in a strain-dependent manner. , 2019, 13, e0007865.		0
98	Lymphocytes influence Leishmania major pathogenesis in a strain-dependent manner. , 2019, 13, e0007865.		0
99	Lymphocytes influence Leishmania major pathogenesis in a strain-dependent manner. , 2019, 13, e0007865.		0
100	Lymphocytes influence Leishmania major pathogenesis in a strain-dependent manner. , 2019, 13, e0007865.		0
101	Lymphocytes influence Leishmania major pathogenesis in a strain-dependent manner. , 2019, 13, e0007865.		0