

Vijay Kumar Prajapati

List of Publications by Citations

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92 papers	2,750 citations	32 h-index	50 g-index
99 ext. papers	3,371 ext. citations	5.4 avg, IF	5.66 L-index

#	Paper	IF	Citations
92	Efficacy of miltefosine in the treatment of visceral leishmaniasis in India after a decade of use. <i>Clinical Infectious Diseases</i> , 2012 , 55, 543-50	11.6	198
91	Exploring Leishmania secretory proteins to design B and T cell multi-epitope subunit vaccine using immunoinformatics approach. <i>Scientific Reports</i> , 2017 , 7, 8285	4.9	172
90	Exploring dengue genome to construct a multi-epitope based subunit vaccine by utilizing immunoinformatics approach to battle against dengue infection. <i>Scientific Reports</i> , 2017 , 7, 9232	4.9	155
89	Novel Immunoinformatics Approaches to Design Multi-epitope Subunit Vaccine for Malaria by Investigating Anopheles Salivary Protein. <i>Scientific Reports</i> , 2018 , 8, 1125	4.9	130
88	Targeted killing of Leishmania donovani in vivo and in vitro with amphotericin B attached to functionalized carbon nanotubes. <i>Journal of Antimicrobial Chemotherapy</i> , 2011 , 66, 874-9	5.1	117
87	Evolutionary genomics of epidemic visceral leishmaniasis in the Indian subcontinent. <i>ELife</i> , 2016 , 5,	8.9	107
86	Drug susceptibility in Leishmania isolates following miltefosine treatment in cases of visceral leishmaniasis and post kala-azar dermal leishmaniasis. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1657	4.8	86
85	Characterisation of antimony-resistant Leishmania donovani isolates: biochemical and biophysical studies and interaction with host cells. <i>International Journal for Parasitology</i> , 2011 , 41, 1311-21	4.3	72
84	An oral formulation of amphotericin B attached to functionalized carbon nanotubes is an effective treatment for experimental visceral leishmaniasis. <i>Journal of Infectious Diseases</i> , 2012 , 205, 333-6	7	69
83	Antileishmanial activity of nano-amphotericin B deoxycholate. <i>Journal of Antimicrobial Chemotherapy</i> , 2008 , 62, 376-80	5.1	67
82	Circulating MicroRNAs: Potential and Emerging Biomarkers for Diagnosis of Human Infectious Diseases. <i>Frontiers in Microbiology</i> , 2016 , 7, 1274	5.7	66
81	Immunoinformatics approaches to design a novel multi-epitope subunit vaccine against HIV infection. <i>Vaccine</i> , 2018 , 36, 2262-2272	4.1	60
80	Racial disparities in prostate cancer: a molecular perspective. <i>Frontiers in Bioscience - Landmark</i> , 2017 , 22, 772-782	2.8	57
79	Molecular and immunological toxic effects of nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1278-1293	7.9	55
78	Excavating chikungunya genome to design B and T cell multi-epitope subunit vaccine using comprehensive immunoinformatics approach to control chikungunya infection. <i>Infection, Genetics and Evolution</i> , 2018 , 61, 4-15	4.5	51
77	Designing B- and T-cell multi-epitope based subunit vaccine using immunoinformatics approach to control Zika virus infection. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 7631-7642	4.7	49
76	Differential Expression of miRNA Regulates T Cell Differentiation and Plasticity During Visceral Leishmaniasis Infection. <i>Frontiers in Microbiology</i> , 2016 , 7, 206	5.7	49

75	Emerging Role of Circular RNAs as Potential Biomarkers for the Diagnosis of Human Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1087, 141-157	3.6	47
74	Detection of Leptomonas sp. parasites in clinical isolates of Kala-azar patients from India. <i>Infection, Genetics and Evolution</i> , 2010 , 10, 1145-50	4.5	45
73	Molecular Docking and in Vitro Antileishmanial Evaluation of Chromene-2-thione Analogues. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 243-7	4.3	44
72	Perturbed microRNA Expression by Promotes Macrophage Polarization Leading to Pro-survival Foam Cell. <i>Frontiers in Immunology</i> , 2017 , 8, 107	8.4	42
71	Febrifugine analogues as Leishmania donovani trypanothione reductase inhibitors: binding energy analysis assisted by molecular docking, ADMET and molecular dynamics simulation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 141-158	3.6	41
70	High throughput virtual screening reveals SARS-CoV-2 multi-target binding natural compounds to lead instant therapy for COVID-19 treatment. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 1-17	7.9	41
69	Unusual case of resistance to amphotericin B in visceral leishmaniasis in a region in India where leishmaniasis is not endemic. <i>Journal of Clinical Microbiology</i> , 2011 , 49, 3088-91	9.7	41
68	In vitro susceptibility of Leishmania donovani to miltefosine in Indian visceral leishmaniasis. <i>American Journal of Tropical Medicine and Hygiene</i> , 2013 , 89, 750-4	3.2	38
67	Visceral leishmaniasis and arsenic: an ancient poison contributing to antimonial treatment failure in the Indian subcontinent?. <i>PLoS Neglected Tropical Diseases</i> , 2011 , 5, e1227	4.8	38
66	Emerging role of circulating microRNA in the diagnosis of human infectious diseases. <i>Journal of Cellular Physiology</i> , 2019 , 234, 1030-1043	7	37
65	Drug targeting to infectious diseases by nanoparticles surface functionalized with special biomolecules. <i>Current Medicinal Chemistry</i> , 2012 , 19, 3196-202	4.3	36
64	Exploring dual inhibitory role of febrifugine analogues against Plasmodium utilizing structure-based virtual screening and molecular dynamic simulation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 791-804	3.6	35
63	Evaluation of blood agar microtiter plates for culturing leishmania parasites to titrate parasite burden in spleen and peripheral blood of patients with visceral leishmaniasis. <i>Journal of Clinical Microbiology</i> , 2010 , 48, 1932-4	9.7	35
62	Developing imidazole analogues as potential inhibitor for Leishmania donovani trypanothione reductase: virtual screening, molecular docking, dynamics and ADMET approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015 , 33, 2541-53	3.6	34
61	Structure-based virtual screening, molecular docking, ADMET and molecular simulations to develop benzoxaborole analogs as potential inhibitor against Leishmania donovani trypanothione reductase. <i>Journal of Receptor and Signal Transduction Research</i> , 2017 , 37, 60-70	2.6	33
60	High throughput and comprehensive approach to develop multiepitope vaccine against minacious COVID-19. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 151, 105375	5.1	32
59	High-throughput virtual screening and quantum mechanics approach to develop imipramine analogues as leads against trypanothione reductase of leishmania. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 83, 141-152	7.5	32
58	Arsenic exposure and outcomes of antimonial treatment in visceral leishmaniasis patients in Bihar, India: a retrospective cohort study. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003518	4.8	30

57	Strategic Development of a Next-Generation Multi-Epitope Vaccine To Prevent Nipah Virus Zoonotic Infection. <i>ACS Omega</i> , 2019 , 4, 13069-13079	3.9	30
56	Scrutinizing Mycobacterium tuberculosis membrane and secretory proteins to formulate multiepitope subunit vaccine against pulmonary tuberculosis by utilizing immunoinformatic approaches. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 180-188	7.9	26
55	Evaluation of a diospyrin derivative as antileishmanial agent and potential modulator of ornithine decarboxylase of Leishmania donovani. <i>Experimental Parasitology</i> , 2013 , 135, 407-13	2.1	26
54	Human visceral leishmaniasis is not associated with expansion or accumulation of Foxp3+ CD4 cells in blood or spleen. <i>Parasite Immunology</i> , 2010 , 32, 479-83	2.2	25
53	In vitro antileishmanial drug susceptibility of clinical isolates from patients with Indian visceral leishmaniasis--status of newly introduced drugs. <i>American Journal of Tropical Medicine and Hygiene</i> , 2012 , 87, 655-7	3.2	22
52	Cancer "stemness"- regulating microRNAs: role, mechanisms and therapeutic potential. <i>Current Drug Targets</i> , 2013 , 14, 1175-84	3	21
51	Molecular Modeling and Virtual Screening Approach to Discover Potential Antileishmanial Inhibitors Against Ornithine Decarboxylase. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2016 , 19, 813-823	1.3	20
50	Development of multi-epitope driven subunit vaccine in secretory and membrane protein of Plasmodium falciparum to convey protection against malaria infection. <i>Vaccine</i> , 2018 , 36, 4555-4565	4.1	19
49	Iron superoxide dismutase contributes to miltefosine resistance in Leishmania donovani. <i>FEBS Journal</i> , 2019 , 286, 3488-3503	5.7	18
48	Arsenic, antimony, and Leishmania: has arsenic contamination of drinking water in India led to treatment-resistant kala-azar?. <i>Lancet, The</i> , 2015 , 385 Suppl 1, S80	4.0	18
47	Antileishmanial activity of cryptolepine analogues and apoptotic effects of 2,7-dibromocryptolepine against Leishmania donovani promastigotes. <i>Parasitology Research</i> , 2012 , 111, 195-203	2.4	18
46	Proteasome-mediated proteostasis: Novel medicinal and pharmacological strategies for diseases. <i>Medicinal Research Reviews</i> , 2018 , 38, 1916-1973	14.4	17
45	Exploratory algorithm to devise multi-epitope subunit vaccine by investigating Leishmania donovani membrane proteins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 2381-2393	3.6	17
44	Immuno-informatics based approaches to design a novel multi epitope-based vaccine for immune response reinforcement against Leptospirosis. <i>Molecular Immunology</i> , 2018 , 104, 128-138	4.3	17
43	Molecular Docking and Molecular Dynamics Simulation Based Approach to Explore the Dual Inhibitor Against HIV-1 Reverse Transcriptase and Integrase. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2017 , 20, 734-746	1.3	16
42	Exploring sand fly salivary proteins to design multiepitope subunit vaccine to fight against visceral leishmaniasis. <i>Journal of Cellular Biochemistry</i> , 2018 , 120, 1141	4.7	15
41	Investigation of immunogenic properties of Hemolin from silkworm, Bombyx mori as carrier protein: an immunoinformatic approach. <i>Scientific Reports</i> , 2018 , 8, 6957	4.9	13
40	Examination of antigenic proteins of Trypanosoma cruzi to fabricate an epitope-based subunit vaccine by exploiting epitope mapping mechanism. <i>Vaccine</i> , 2018 , 36, 6290-6300	4.1	11

39	Receptor-ligand based molecular interaction to discover adjuvant for immune cell TLRs to develop next-generation vaccine. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 535-545	7.9	10
38	How autophagy can restore proteostasis defects in multiple diseases?. <i>Medicinal Research Reviews</i> , 2020 , 40, 1385-1439	14.4	10
37	Encapsulation and Systemic Delivery of 5-Fluorouracil Conjugated with Silkworm Pupa Derived Protein Nanoparticles for Experimental Lymphoma Cancer. <i>Bioconjugate Chemistry</i> , 2018 , 29, 2994-3009	6.3	10
36	Cytotoxic T-lymphocyte elicited vaccine against SARS-CoV-2 employing immunoinformatics framework. <i>Scientific Reports</i> , 2021 , 11, 7653	4.9	10
35	Vaccinomics strategy to concoct a promising subunit vaccine for visceral leishmaniasis targeting sandfly and leishmania antigens. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 548-557	7.9	9
34	Nanonization increases the antileishmanial efficacy of amphotericin B: an ex vivo approach. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 808, 77-91	3.6	9
33	Pharmacophore based virtual screening, molecular docking, molecular dynamics and MM-GBSA approach for identification of prospective SARS-CoV-2 inhibitor from natural product databases. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-24	3.6	9
32	Anti-infective activities of 11 plants species used in traditional medicine in Malaysia. <i>Experimental Parasitology</i> , 2018 , 194, 67-78	2.1	9
31	Conglomeration of novel Culex quinquefasciatus salivary proteins to contrive multi-epitope subunit vaccine against infections caused by blood imbibing transmitter. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 834-843	7.9	9
30	Vaccination and immunization strategies to design Aedes aegypti salivary protein based subunit vaccine tackling Flavivirus infection. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 1203-1211	7.9	8
29	Multiple epitope-based vaccine prediction against SARS-CoV-2 spike glycoprotein. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-12	3.6	7
28	Contriving multi-epitope subunit vaccine by exploiting structural and nonstructural viral proteins to prevent Epstein-Barr virus-associated malignancy. <i>Journal of Cellular Physiology</i> , 2019 , 234, 6437-6448	7	7
27	Chemical system biology based molecular interactions to identify inhibitors against Q151M mutant of HIV-1 reverse transcriptase. <i>Infection, Genetics and Evolution</i> , 2018 , 63, 5-12	4.5	5
26	Structural vaccinology approach to investigate the virulent and secretory proteins of for devising anthrax next-generation vaccine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 4895-4905	3.6	5
25	Immunoselective algorithm to devise multi-epitope subunit vaccine fighting against human cytomegalovirus infection. <i>Infection, Genetics and Evolution</i> , 2020 , 82, 104282	4.5	4
24	Recent Advances in the Chemotherapy of Visceral Leishmaniasis 2017 , 69-88		4
23	A rapid method to assess the stage differentiation in Leishmania donovani by flow cytometry. <i>Experimental Parasitology</i> , 2012 , 132, 495-500	2.1	4
22	Interleukin-17-A multifaceted cytokine in viral infections. <i>Journal of Cellular Physiology</i> , 2021 ,	7	4

21	LRSAM1 E3 ubiquitin ligase: molecular neurobiological perspectives linked with brain diseases. <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 2093-2110	10.3	4
20	Development a multi-epitope driven subunit vaccine for immune response reinforcement against Serogroup B of Neisseria meningitidis using comprehensive immunoinformatics approaches. <i>Infection, Genetics and Evolution</i> , 2019 , 75, 103992	4.5	3
19	Cognizance of posttranslational modifications in vaccines: A way to enhanced immunogenicity. <i>Journal of Cellular Physiology</i> , 2021 ,	7	3
18	Combinatorial screening algorithm to engineer multiepitope subunit vaccine targeting human T-lymphotropic virus-1 infection. <i>Journal of Cellular Physiology</i> , 2019 , 234, 8717-8726	7	3
17	Advances in the Diagnosis of Visceral Leishmaniasis. <i>Journal of Molecular Biomarkers & Diagnosis</i> , 2013 , 4,	2	2
16	Engineering a multi epitope vaccine against SARS-CoV-2 by exploiting its non structural and structural proteins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-18	3.6	2
15	MicroRNA mediated immune regulation of T helper cell differentiation and plasticity during visceral leishmaniasis infection: A computational approach. <i>International Journal of Infectious Diseases</i> , 2016 , 45, 374-375	10.5	2
14	Ibuprofen-based advanced therapeutics: breaking the inflammatory link in cancer, neurodegeneration, and diseases. <i>Drug Metabolism Reviews</i> , 2021 , 53, 100-121	7	2
13	Complex Inclusion Bodies and Defective Proteome Hubs in Neurodegenerative Disease: New Clues, New Challenges. <i>Neuroscientist</i> , 2021 , 1073858421989582	7.6	2
12	Vaccine delivery systems against tuberculosis 2020 , 75-90		1
11	Immunoinformatics and reverse vaccinology methods to design peptide-based vaccines 2022 , 477-487		0
10	Immunoglobulin interface redesigning to enhance lebrikizumab mediated immunomodulation of IL-13 hyper-response. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 4051-4065	3.6	0
9	Chemical system biology approach to identify multi-targeting FDA inhibitors for treating COVID-19 and associated health complications. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-25	3.6	0
8	Programmed Death 1 (PD1)-Mediated T-Cell Apoptosis and Cancer Immunotherapy 2018 , 695-722		0
7	Asymptomatic malaria infection prevailing risks for human health and malaria elimination. <i>Infection, Genetics and Evolution</i> , 2021 , 93, 104987	4.5	0
6	Epidemiological investigation of a jaundice outbreak in Kishangarh, Rajasthan, India, 2014. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2016 , 24, 83-89	1.4	
5	Wet-Lab Approaches to Determine Three-Dimensional Structures of Proteins 2020 , 57-70		
4	A comprehensive approach to discover Toxin-Antitoxin systems from human pathogen Helicobacter pylori: A poison and its antidote encapsulated in the genome. <i>Life Sciences</i> , 2021 , 288, 120149	6.8	

3 Recent Therapeutic Strategies for the Treatment of Colon Cancer **2021**, 73-90

2 Neurodegeneration & imperfect ageing: Technological limitations and challenges?. *Mechanisms of Ageing and Development*, **2021**, 200, 111574 5.6

1 Febrifugine dihydrochloride as a new oral chemotherapeutic agent against visceral leishmaniasis infection.. *Experimental Parasitology*, **2022**, 108250 2.1