Vijay Kumar Prajapati

List of Publications by Year in Descending Order

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	Immunoinformatics and reverse vaccinology methods to design peptide-based vaccines **2022**, 477-487		0
91	Febrifugine dihydrochloride as a new oral chemotherapeutic agent against visceral leishmaniasis infection.. *Experimental Parasitology*, **2022**, 108250	2.1	
90	A comprehensive approach to discover Toxin-Antitoxin systems from human pathogen Helicobacter pylori: A poison and its antidote encapsulated in the genome. *Life Sciences*, **2021**, 288, 120149	6.8	
89	Immunoglobulin interface redesigning to enhance lebrikizumab mediated immunomodulation of IL-13 hyper-response. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 4051-4065	3.6	0
88	Cytotoxic T-lymphocyte elicited vaccine against SARS-CoV-2 employing immunoinformatics framework. *Scientific Reports*, **2021**, 11, 7653	4.9	10
87	Engineering a multi epitope vaccine against SARS-CoV-2 by exploiting its non structural and structural proteins. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-18	3.6	2
86	Cognizance of posttranslational modifications in vaccines: A way to enhanced immunogenicity. *Journal of Cellular Physiology*, **2021**,	7	3
85	Interleukin-17-A multifaceted cytokine in viral infections. *Journal of Cellular Physiology*, **2021**,	7	4
84	Chemical system biology approach to identify multi-targeting FDA inhibitors for treating COVID-19 and associated health complications. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-25	3.6	0
83	Ibuprofen-based advanced therapeutics: breaking the inflammatory link in cancer, neurodegeneration, and diseases. *Drug Metabolism Reviews*, **2021**, 53, 100-121	7	2
82	Recent Therapeutic Strategies for the Treatment of Colon Cancer **2021**, 73-90		
81	Complex Inclusion Bodies and Defective Proteome Hubs in Neurodegenerative Disease: New Clues, New Challenges. *Neuroscientist*, **2021**, 1073858421989582	7.6	2
80	Asymptomatic malaria infection prevailing risks for human health and malaria elimination. *Infection, Genetics and Evolution*, **2021**, 93, 104987	4.5	0
79	Neurodegeneration & imperfect ageing: Technological limitations and challenges?. *Mechanisms of Ageing and Development*, **2021**, 200, 111574	5.6	
78	High throughput and comprehensive approach to develop multiepitope vaccine against minacious COVID-19. *European Journal of Pharmaceutical Sciences*, **2020**, 151, 105375	5.1	32
77	High throughput virtual screening reveals SARS-CoV-2 multi-target binding natural compounds to lead instant therapy for COVID-19 treatment. *International Journal of Biological Macromolecules*, **2020**, 160, 1-17	7.9	41
76	Immunoselective algorithm to devise multi-epitope subunit vaccine fighting against human cytomegalovirus infection. *Infection, Genetics and Evolution*, **2020**, 82, 104282	4.5	4

75	Vaccine delivery systems against tuberculosis **2020**, 75-90		1
74	Receptor-ligand based molecular interaction to discover adjuvant for immune cell TLRs to develop next-generation vaccine. *International Journal of Biological Macromolecules*, **2020**, 152, 535-545	7.9	10
73	How autophagy can restore proteostasis defects in multiple diseases?. *Medicinal Research Reviews*, **2020**, 40, 1385-1439	14.4	10
72	Vaccinomics strategy to concoct a promising subunit vaccine for visceral leishmaniasis targeting sandfly and leishmania antigens. *International Journal of Biological Macromolecules*, **2020**, 156, 548-557	7.9	9
71	Wet-Lab Approaches to Determine Three-Dimensional Structures of Proteins **2020**, 57-70		
70	Structural vaccinology approach to investigate the virulent and secretory proteins of for devising anthrax next-generation vaccine. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 4895-4905	3.6	5
69	Pharmacophore based virtual screening, molecular docking, molecular dynamics and MM-GBSA approach for identification of prospective SARS-CoV-2 inhibitor from natural product databases. *Journal of Biomolecular Structure and Dynamics*, **2020**, 1-24	3.6	9
68	Multiple epitope-based vaccine prediction against SARS-CoV-2 spike glycoprotein. *Journal of Biomolecular Structure and Dynamics*, **2020**, 1-12	3.6	7
67	Iron superoxide dismutase contributes to miltefosine resistance in Leishmania donovani. *FEBS Journal*, **2019**, 286, 3488-3503	5.7	18
66	Exploratory algorithm to devise multi-epitope subunit vaccine by investigating Leishmania donovani membrane proteins. *Journal of Biomolecular Structure and Dynamics*, **2019**, 37, 2381-2393	3.6	17
65	Emerging role of circulating microRNA in the diagnosis of human infectious diseases. *Journal of Cellular Physiology*, **2019**, 234, 1030-1043	7	37
64	Strategic Development of a Next-Generation Multi-Epitope Vaccine To Prevent Nipah Virus Zoonotic Infection. *ACS Omega*, **2019**, 4, 13069-13079	3.9	30
63	Development a multi-epitope driven subunit vaccine for immune response reinforcement against Serogroup B of Neisseria meningitidis using comprehensive immunoinformatics approaches. *Infection, Genetics and Evolution*, **2019**, 75, 103992	4.5	3
62	LRSAM1 E3 ubiquitin ligase: molecular neurobiological perspectives linked with brain diseases. *Cellular and Molecular Life Sciences*, **2019**, 76, 2093-2110	10.3	4
61	Vaccination and immunization strategies to design Aedes aegypti salivary protein based subunit vaccine tackling Flavivirus infection. *International Journal of Biological Macromolecules*, **2019**, 122, 1203-1211	7.9	8
60	Contriving multiepitope subunit vaccine by exploiting structural and nonstructural viral proteins to prevent Epstein-Barr virus-associated malignancy. *Journal of Cellular Physiology*, **2019**, 234, 6437-6448	7	7
59	Combinatorial screening algorithm to engineer multiepitope subunit vaccine targeting human T-lymphotropic virus-1 infection. *Journal of Cellular Physiology*, **2019**, 234, 8717-8726	7	3
58	Novel Immunoinformatics Approaches to Design Multi-epitope Subunit Vaccine for Malaria by Investigating Anopheles Salivary Protein. *Scientific Reports*, **2018**, 8, 1125	4.9	130

57	Immunoinformatics approaches to design a novel multi-epitope subunit vaccine against HIV infection. *Vaccine*, **2018**, 36, 2262-2272	4.1	60
56	Excavating chikungunya genome to design B and T cell multi-epitope subunit vaccine using comprehensive immunoinformatics approach to control chikungunya infection. *Infection, Genetics and Evolution*, **2018**, 61, 4-15	4.5	51
55	Molecular and immunological toxic effects of nanoparticles. *International Journal of Biological Macromolecules*, **2018**, 107, 1278-1293	7.9	55
54	Investigation of immunogenic properties of Hemolin from silkworm, Bombyx mori as carrier protein: an immunoinformatic approach. *Scientific Reports*, **2018**, 8, 6957	4.9	13
53	Chemical system biology based molecular interactions to identify inhibitors against Q151M mutant of HIV-1 reverse transcriptase. *Infection, Genetics and Evolution*, **2018**, 63, 5-12	4.5	5
52	Encapsulation and Systemic Delivery of 5-Fluorouracil Conjugated with Silkworm Pupa Derived Protein Nanoparticles for Experimental Lymphoma Cancer. *Bioconjugate Chemistry*, **2018**, 29, 2994-3009	6.3	10
51	Designing B- and T-cell multi-epitope based subunit vaccine using immunoinformatics approach to control Zika virus infection. *Journal of Cellular Biochemistry*, **2018**, 119, 7631-7642	4.7	49
50	Proteasome-mediated proteostasis: Novel medicinal and pharmacological strategies for diseases. *Medicinal Research Reviews*, **2018**, 38, 1916-1973	14.4	17
49	Scrutinizing Mycobacterium tuberculosis membrane and secretory proteins to formulate multiepitope subunit vaccine against pulmonary tuberculosis by utilizing immunoinformatic approaches. *International Journal of Biological Macromolecules*, **2018**, 118, 180-188	7.9	26
48	Development of multi-epitope driven subunit vaccine in secretory and membrane protein of Plasmodium falciparum to convey protection against malaria infection. *Vaccine*, **2018**, 36, 4555-4565	4.1	19
47	Exploring sand fly salivary proteins to design multiepitope subunit vaccine to fight against visceral leishmaniasis. *Journal of Cellular Biochemistry*, **2018**, 120, 1141	4.7	15
46	Programmed Death 1 (PD1)-Mediated T-Cell Apoptosis and Cancer Immunotherapy **2018**, 695-722		0
45	Immuno-informatics based approaches to design a novel multi epitope-based vaccine for immune response reinforcement against Leptospirosis. *Molecular Immunology*, **2018**, 104, 128-138	4.3	17
44	Anti-infective activities of 11 plants species used in traditional medicine in Malaysia. *Experimental Parasitology*, **2018**, 194, 67-78	2.1	9
43	Emerging Role of Circular RNAs as Potential Biomarkers for the Diagnosis of Human Diseases. *Advances in Experimental Medicine and Biology*, **2018**, 1087, 141-157	3.6	47
42	Examination of antigenic proteins of Trypanosoma cruzi to fabricate an epitope-based subunit vaccine by exploiting epitope mapping mechanism. *Vaccine*, **2018**, 36, 6290-6300	4.1	11
41	Conglomeration of novel Culex quinquefasciatus salivary proteins to contrive multi-epitope subunit vaccine against infections caused by blood imbibing transmitter. *International Journal of Biological Macromolecules*, **2018**, 118, 834-843	7.9	9
40	Febrifugine analogues as Leishmania donovani trypanothione reductase inhibitors: binding energy analysis assisted by molecular docking, ADMET and molecular dynamics simulation. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 141-158	3.6	41

39	Exploring dual inhibitory role of febrifugine analogues against Plasmodium utilizing structure-based virtual screening and molecular dynamic simulation. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 791-804	3.6	35
38	Structure-based virtual screening, molecular docking, ADMET and molecular simulations to develop benzoxaborole analogs as potential inhibitor against Leishmania donovani trypanothione reductase. *Journal of Receptor and Signal Transduction Research*, **2017**, 37, 60-70	2.6	33
37	Racial disparities in prostate cancer: a molecular perspective. *Frontiers in Bioscience - Landmark*, **2017**, 22, 772-782	2.8	57
36	Exploring Leishmania secretory proteins to design B and T cell multi-epitope subunit vaccine using immunoinformatics approach. *Scientific Reports*, **2017**, 7, 8285	4.9	172
35	Exploring dengue genome to construct a multi-epitope based subunit vaccine by utilizing immunoinformatics approach to battle against dengue infection. *Scientific Reports*, **2017**, 7, 9232	4.9	155
34	Recent Advances in the Chemotherapy of Visceral Leishmaniasis **2017**, 69-88		4
33	Perturbed microRNA Expression by Promotes Macrophage Polarization Leading to Pro-survival Foam Cell. *Frontiers in Immunology*, **2017**, 8, 107	8.4	42
32	Molecular Docking and Molecular Dynamics Simulation Based Approach to Explore the Dual Inhibitor Against HIV-1 Reverse Transcriptase and Integrase. *Combinatorial Chemistry and High Throughput Screening*, **2017**, 20, 734-746	1.3	16
31	High-throughput virtual screening and quantum mechanics approach to develop imipramine analogues as leads against trypanothione reductase of leishmania. *Biomedicine and Pharmacotherapy*, **2016**, 83, 141-152	7.5	32
30	Epidemiological investigation of a jaundice outbreak in Kishangarh, Rajasthan, India, 2014. *Zeitschrift Fur Gesundheitswissenschaften*, **2016**, 24, 83-89	1.4	
29	Molecular Modeling and Virtual Screening Approach to Discover Potential Antileishmanial Inhibitors Against Ornithine Decarboxylase. *Combinatorial Chemistry and High Throughput Screening* , **2016**, 19, 813-823	1.3	20
28	Evolutionary genomics of epidemic visceral leishmaniasis in the Indian subcontinent. *ELife*, **2016**, 5,	8.9	107
27	Differential Expression of miRNA Regulates T Cell Differentiation and Plasticity During Visceral Leishmaniasis Infection. *Frontiers in Microbiology*, **2016**, 7, 206	5.7	49
26	Circulating MicroRNAs: Potential and Emerging Biomarkers for Diagnosis of Human Infectious Diseases. *Frontiers in Microbiology*, **2016**, 7, 1274	5.7	66
25	MicroRNA mediated immune regulation of T helper cell differentiation and plasticity during visceral leishmaniasis infection: A computational approach. *International Journal of Infectious Diseases*, **2016** , 45, 374-375	10.5	2
24	Arsenic, antimony, and Leishmania: has arsenic contamination of drinking water in India led to treatment- resistant kala-azar?. *Lancet, The*, **2015**, 385 Suppl 1, S80	40	18
23	Arsenic exposure and outcomes of antimonial treatment in visceral leishmaniasis patients in Bihar, India: a retrospective cohort study. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0003518	4.8	30
22	Developing imidazole analogues as potential inhibitor for Leishmania donovani trypanothione reductase: virtual screening, molecular docking, dynamics and ADMET approach. *Journal of Biomolecular Structure and Dynamics*, **2015**, 33, 2541-53	3.6	34

21	Nanonization increases the antileishmanial efficacy of amphotericin B: an ex vivo approach. *Advances in Experimental Medicine and Biology*, **2014**, 808, 77-91	3.6	9
20	Evaluation of a diospyrin derivative as antileishmanial agent and potential modulator of ornithine decarboxylase of Leishmania donovani. *Experimental Parasitology*, **2013**, 135, 407-13	2.1	26
19	In vitro susceptibility of Leishmania donovani to miltefosine in Indian visceral leishmaniasis. *American Journal of Tropical Medicine and Hygiene*, **2013**, 89, 750-4	3.2	38
18	Cancer "stemness"- regulating microRNAs: role, mechanisms and therapeutic potential. *Current Drug Targets*, **2013**, 14, 1175-84	3	21
17	Advances in the Diagnosis of Visceral Leishmaniasis. *Journal of Molecular Biomarkers & Diagnosis*, **2013**, 4,	2	2
16	In vitro antileishmanial drug susceptibility of clinical isolates from patients with Indian visceral leishmaniasis--status of newly introduced drugs. *American Journal of Tropical Medicine and Hygiene*, **2012**, 87, 655-7	3.2	22
15	A rapid method to assess the stage differentiation in Leishmania donovani by flow cytometry. *Experimental Parasitology*, **2012**, 132, 495-500	2.1	4
14	Efficacy of miltefosine in the treatment of visceral leishmaniasis in India after a decade of use. *Clinical Infectious Diseases*, **2012**, 55, 543-50	11.6	198
13	Drug targeting to infectious diseases by nanoparticles surface functionalized with special biomolecules. *Current Medicinal Chemistry*, **2012**, 19, 3196-202	4.3	36
12	An oral formulation of amphotericin B attached to functionalized carbon nanotubes is an effective treatment for experimental visceral leishmaniasis. *Journal of Infectious Diseases*, **2012**, 205, 333-6	7	69
11	Molecular Docking and in Vitro Antileishmanial Evaluation of Chromene-2-thione Analogues. *ACS Medicinal Chemistry Letters*, **2012**, 3, 243-7	4.3	44
10	Antileishmanial activity of cryptolepine analogues and apoptotic effects of 2,7-dibromocryptolepine against Leishmania donovani promastigotes. *Parasitology Research*, **2012**, 111, 195-203	2.4	18
9	Drug susceptibility in Leishmania isolates following miltefosine treatment in cases of visceral leishmaniasis and post kala-azar dermal leishmaniasis. *PLoS Neglected Tropical Diseases*, **2012**, 6, e1657	4.8	86
8	Targeted killing of Leishmania donovani in vivo and in vitro with amphotericin B attached to functionalized carbon nanotubes. *Journal of Antimicrobial Chemotherapy*, **2011**, 66, 874-9	5.1	117
7	Characterisation of antimony-resistant Leishmania donovani isolates: biochemical and biophysical studies and interaction with host cells. *International Journal for Parasitology*, **2011**, 41, 1311-21	4.3	72
6	Unusual case of resistance to amphotericin B in visceral leishmaniasis in a region in India where leishmaniasis is not endemic. *Journal of Clinical Microbiology*, **2011**, 49, 3088-91	9.7	41
5	Visceral leishmaniasis and arsenic: an ancient poison contributing to antimonial treatment failure in the Indian subcontinent?. *PLoS Neglected Tropical Diseases*, **2011**, 5, e1227	4.8	38
4	Human visceral leishmaniasis is not associated with expansion or accumulation of Foxp3+ CD4 cells in blood or spleen. *Parasite Immunology*, **2010**, 32, 479-83	2.2	25

3	Evaluation of blood agar microtiter plates for culturing leishmania parasites to titrate parasite burden in spleen and peripheral blood of patients with visceral leishmaniasis. *Journal of Clinical Microbiology*, **2010**, 48, 1932-4	9.7	35
2	Detection of Leptomonas sp. parasites in clinical isolates of Kala-azar patients from India. *Infection, Genetics and Evolution*, **2010**, 10, 1145-50	4.5	45
1	Antileishmanial activity of nano-amphotericin B deoxycholate. *Journal of Antimicrobial Chemotherapy*, **2008**, 62, 376-80	5.1	67