

# Jorge E Osorio

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

3,071  
citations

172207

29  
h-index

174990

52  
g-index

60  
all docs

60  
docs citations

60  
times ranked

4444  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 Omicron virus causes attenuated disease in mice and hamsters. <i>Nature</i> , 2022, 603, 687-692.	13.7	475
2	Characterization of Lethal Zika Virus Infection in AG129 Mice. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004682.	1.3	251
3	Chloroquine, an Endocytosis Blocking Agent, Inhibits Zika Virus Infection in Different Cell Models. <i>Viruses</i> , 2016, 8, 322.	1.5	227
4	Attenuation of Mengo virus through genetic engineering of the 5' noncoding poly(C) tract. <i>Nature</i> , 1990, 343, 474-476.	13.7	151
5	A prairie dog animal model of systemic orthopoxvirus disease using West African and Congo Basin strains of monkeypox virus. <i>Journal of General Virology</i> , 2009, 90, 323-333.	1.3	135
6	Zika in the Americas, year 2: What have we learned? What gaps remain? A report from the Global Virus Network. <i>Antiviral Research</i> , 2017, 144, 223-246.	1.9	104
7	Ocular and uteroplacental pathology in a macaque pregnancy with congenital Zika virus infection. <i>PLoS ONE</i> , 2018, 13, e0190617.	1.1	89
8	Vaccine-induced systemic and mucosal T cell immunity to SARS-CoV-2 viral variants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2118312119.	3.3	86
9	Lovastatin Delays Infection and Increases Survival Rates in AG129 Mice Infected with Dengue Virus Serotype 2. <i>PLoS ONE</i> , 2014, 9, e87412.	1.1	80
10	A recombinant, chimeric tetravalent dengue vaccine candidate based on a dengue virus serotype 2 backbone. <i>Expert Review of Vaccines</i> , 2016, 15, 497-508.	2.0	70
11	Characterization of Monkeypox virus infection in African rope squirrels ( <i>Funisciurus</i> sp.). <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005809.	1.3	69
12	Probing the attenuation and protective efficacy of a candidate chikungunya virus vaccine in mice with compromised interferon (IFN) signaling. <i>Vaccine</i> , 2011, 29, 3067-3073.	1.7	65
13	Safety and immunogenicity of mammalian cell derived and Modified Vaccinia Ankara vectored African swine fever subunit antigens in swine. <i>Veterinary Immunology and Immunopathology</i> , 2017, 185, 20-33.	0.5	64
14	Comparison of Monkeypox Viruses Pathogenesis in Mice by In Vivo Imaging. <i>PLoS ONE</i> , 2009, 4, e6592.	1.1	63
15	Immunogenicity and efficacy of chimeric dengue vaccine (DENVax) formulations in interferon-deficient AG129 mice. <i>Vaccine</i> , 2012, 30, 1513-1520.	1.7	60
16	Safety and immunogenicity of different doses and schedules of a live attenuated tetravalent dengue vaccine (TDV) in healthy adults: A Phase 1b randomized study. <i>Vaccine</i> , 2015, 33, 6351-6359.	1.7	59
17	Laboratory Investigations of African Pouched Rats ( <i>Cricetomys gambianus</i> ) as a Potential Reservoir Host Species for Monkeypox Virus. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004013.	1.3	56
18	A Single Mutation in the VP1 of Enterovirus 71 Is Responsible for Increased Virulence and Neurotropism in Adult Interferon-Deficient Mice. <i>Journal of Virology</i> , 2016, 90, 8592-8604.	1.5	52

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19	Further Assessment of Monkeypox Virus Infection in Gambian Pouched Rats ( <i>Cricetomys gambianus</i> ) Using In Vivo Bioluminescent Imaging. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004130.	1.3	50
20	A Novel MVA Vectored Chikungunya Virus Vaccine Elicits Protective Immunity in Mice. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2970.	1.3	47
21	Primary infection with dengue or Zika virus does not affect the severity of heterologous secondary infection in macaques. <i>PLoS Pathogens</i> , 2019, 15, e1007766.	2.1	46
22	Virally-vectored vaccine candidates against white-nose syndrome induce anti-fungal immune response in little brown bats ( <i>Myotis lucifugus</i> ). <i>Scientific Reports</i> , 2019, 9, 6788.	1.6	45
23	Fluorescent biomarkers demonstrate prospects for spreadable vaccines to control disease transmission in wild bats. <i>Nature Ecology and Evolution</i> , 2019, 3, 1697-1704.	3.4	42
24	Broad Protection against Avian Influenza Virus by Using a Modified Vaccinia Ankara Virus Expressing a Mosaic Hemagglutinin Gene. <i>Journal of Virology</i> , 2014, 88, 13300-13309.	1.5	39
25	Recombinant raccoon pox vaccine protects mice against lethal plague. <i>Vaccine</i> , 2003, 21, 1232-1238.	1.7	38
26	Protection of bats ( <i>Eptesicus fuscus</i> ) against rabies following topical or oronasal exposure to a recombinant raccoon poxvirus vaccine. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005958.	1.3	38
27	Development of a recombinant, chimeric tetravalent dengue vaccine candidate. <i>Vaccine</i> , 2015, 33, 7112-7120.	1.7	37
28	Efficacy of a Trivalent Hand, Foot, and Mouth Disease Vaccine against Enterovirus 71 and Coxsackieviruses A16 and A6 in Mice. <i>Viruses</i> , 2015, 7, 5919-5932.	1.5	35
29	Adaptation of Enterovirus 71 to Adult Interferon Deficient Mice. <i>PLoS ONE</i> , 2013, 8, e59501.	1.1	35
30	Dengue virus serological prevalence and seroconversion rates in children and adults in Medellin, Colombia: implications for vaccine introduction. <i>International Journal of Infectious Diseases</i> , 2017, 58, 27-36.	1.5	34
31	Attenuation of monkeypox virus by deletion of genomic regions. <i>Virology</i> , 2015, 475, 129-138.	1.1	28
32	Zika virus like particles elicit protective antibodies in mice. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006210.	1.3	28
33	Infectivity of attenuated poxvirus vaccine vectors and immunogenicity of a raccoonpox vectored rabies vaccine in the Brazilian Free-tailed bat ( <i>Tadarida brasiliensis</i> ). <i>Vaccine</i> , 2016, 34, 5352-5358.	1.7	27
34	Investigating the efficacy of monovalent and tetravalent dengue vaccine formulations against DENV-4 challenge in AG129 mice. <i>Vaccine</i> , 2014, 32, 6537-6543.	1.7	25
35	Localized and Systemic Immune Responses against SARS-CoV-2 Following Mucosal Immunization. <i>Vaccines</i> , 2021, 9, 132.	2.1	24
36	mRNA Vaccine Protects against Zika Virus. <i>Vaccines</i> , 2021, 9, 1464.	2.1	23

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37	Characterization of West Nile Viruses Isolated from Captive American Flamingoes ( <i>Phoenicopterus</i> ) Tj ETQq1 1 0.784314 rgBT <sub>21</sub> /Overl	0.6	21
38	Circulation of influenza in backyard productive systems in central Chile and evidence of spillover from wild birds. <i>Preventive Veterinary Medicine</i> , 2018, 153, 1-6.	0.7	20
39	Avian H11 influenza virus isolated from domestic poultry in a Colombian live animal market. <i>Emerging Microbes and Infections</i> , 2016, 5, 1-9.	3.0	19
40	Frequency and Clinical Manifestations of Dengue in Urban Medellin, Colombia. <i>Journal of Tropical Medicine</i> , 2014, 2014, 1-8.	0.6	18
41	Mosaic H5 Hemagglutinin Provides Broad Humoral and Cellular Immune Responses against Influenza Viruses. <i>Journal of Virology</i> , 2016, 90, 6771-6783.	1.5	17
42	Effective mosaic-based nanovaccines against avian influenza in poultry. <i>Vaccine</i> , 2019, 37, 5051-5058.	1.7	17
43	Clinical Presentation and Serologic Response during a Rabies Epizootic in Captive Common Vampire Bats ( <i>Desmodus rotundus</i> ). <i>Tropical Medicine and Infectious Disease</i> , 2020, 5, 34.	0.9	17
44	Preclinical Evaluation of the Immunogenicity and Safety of an Inactivated Enterovirus 71 Candidate Vaccine. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2538.	1.3	16
45	<i>In Vivo</i> Imaging with Bioluminescent Enterovirus 71 Allows for Real-Time Visualization of Tissue Tropism and Viral Spread. <i>Journal of Virology</i> , 2017, 91, .	1.5	16
46	Evaluation of Commercially Available Assays for Diagnosis of Acute Dengue in Schoolchildren During an Epidemic Period in Medellin, Colombia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 315-321.	0.6	15
47	Seasonal patterns of dengue fever in rural Ecuador: 2009-2016. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007360.	1.3	12
48	Characterization of Recombinant Raccoonpox Vaccine Vectors in Chickens. <i>Avian Diseases</i> , 2010, 54, 1157-1165.	0.4	11
49	Mucosal administration of raccoonpox virus expressing highly pathogenic avian H5N1 influenza neuraminidase is highly protective against H5N1 and seasonal influenza virus challenge. <i>Vaccine</i> , 2015, 33, 5155-5162.	1.7	11
50	A modified vaccinia Ankara vaccine vector expressing a mosaic H5 hemagglutinin reduces viral shedding in rhesus macaques. <i>PLoS ONE</i> , 2017, 12, e0181738.	1.1	9
51	Impact of Sylvatic Plague Vaccine on Non-target Small Rodents in Grassland Ecosystems. <i>EcoHealth</i> , 2018, 15, 555-565.	0.9	8
52	Optimization in the expression of ASFV proteins for the development of subunit vaccines using poxviruses as delivery vectors. <i>Scientific Reports</i> , 2021, 11, 23476.	1.6	8
53	Tracking dengue virus type 1 genetic diversity during lineage replacement in an hyperendemic area in Colombia. <i>PLoS ONE</i> , 2019, 14, e0212947.	1.1	7
54	Plague-Positive Mouse Fleas on Mice Before Plague Induced Die-Offs in Black-Tailed and White-Tailed Prairie Dogs. <i>Vector-Borne and Zoonotic Diseases</i> , 2019, 19, 486-493.	0.6	5

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55	Biological Cloth Face Coveringsâ€”The Reduction of SARS-CoV-2 and Influenza (H1N1) Infectivity by Viruferrinâ„¢ Treatment. <i>Materials</i> , 2021, 14, 2327.	1.3	4
56	Immunological Memory to Zika Virus in a University Community in Colombia, South America. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20190883.	0.3	1
57	Impact of Molecular Modifications on the Immunogenicity and Efficacy of Recombinant Raccoon Poxvirus-Vectored Rabies Vaccine Candidates in Mice. <i>Vaccines</i> , 2021, 9, 1436.	2.1	1
58	Systemic Neutralizing Antibodies and Local Immune Responses Are Critical for the Control of SARS-CoV-2. <i>Viruses</i> , 2022, 14, 1262.	1.5	1