

Denis Leclerc

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54
papers

1,557
citations

25
h-index

38
g-index

56
ext. papers

1,777
ext. citations

5.2
avg, IF

4.17
L-index

#	Paper	IF	Citations
54	Development of a universal influenza A vaccine based on the M2e peptide fused to the papaya mosaic virus (PapMV) vaccine platform. <i>Vaccine</i> , 2008 , 26, 3395-403	4.1	139
53	Immunogenicity of papaya mosaic virus-like particles fused to a hepatitis C virus epitope: evidence for the critical function of multimerization. <i>Virology</i> , 2007 , 363, 59-68	3.6	102
52	Potentiating Cancer Immunotherapy Using Papaya Mosaic Virus-Derived Nanoparticles. <i>Nano Letters</i> , 2016 , 16, 1826-32	11.5	81
51	Novel plant virus-based vaccine induces protective cytotoxic T-lymphocyte-mediated antiviral immunity through dendritic cell maturation. <i>Journal of Virology</i> , 2008 , 82, 785-94	6.6	68
50	A plant in vitro system for the nuclear import of proteins. <i>Plant Journal</i> , 1996 , 10, 1177-86	6.9	61
49	The N-terminal half of the core protein of hepatitis C virus is sufficient for nucleocapsid formation. <i>Journal of General Virology</i> , 2004 , 85, 971-981	4.9	58
48	A coiled-coil interaction mediates cauliflower mosaic virus cell-to-cell movement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 6219-24	11.5	57
47	Proteasome-independent major histocompatibility complex class I cross-presentation mediated by papaya mosaic virus-like particles leads to expansion of specific human T cells. <i>Journal of Virology</i> , 2007 , 81, 1319-26	6.6	56
46	Improvement of the trivalent inactivated flu vaccine using PapMV nanoparticles. <i>PLoS ONE</i> , 2011 , 6, e21522	5.2	43
45	Nanoparticle adjuvant sensing by TLR7 enhances CD8+ T cell-mediated protection from <i>Listeria monocytogenes</i> infection. <i>Journal of Immunology</i> , 2014 , 192, 1071-8	5.3	42
44	Effect of mutations K97A and E128A on RNA binding and self assembly of papaya mosaic potexvirus coat protein. <i>FEBS Journal</i> , 2006 , 273, 14-25	5.7	41
43	The open reading frame III product of cauliflower mosaic virus forms a tetramer through a N-terminal coiled-coil. <i>Journal of Biological Chemistry</i> , 1998 , 273, 29015-21	5.4	40
42	Plant Viruses as Nanoparticle-Based Vaccines and Adjuvants. <i>Vaccines</i> , 2015 , 3, 620-37	5.3	39
41	Palmitoylation of hepatitis C virus core protein is important for virion production. <i>Journal of Biological Chemistry</i> , 2009 , 284, 33915-25	5.4	39
40	The minimal 5' sequence for in vitro initiation of papaya mosaic potexvirus assembly. <i>Virology</i> , 1994 , 199, 238-42	3.6	39
39	Engineering of papaya mosaic virus (PapMV) nanoparticles with a CTL epitope derived from influenza NP. <i>Journal of Nanobiotechnology</i> , 2013 , 11, 10	9.4	38
38	Crystal structure of the coat protein of the flexible filamentous papaya mosaic virus. <i>Journal of Molecular Biology</i> , 2012 , 422, 263-73	6.5	38

37	Structure and dynamics of the N-terminal half of hepatitis C virus core protein: an intrinsically unstructured protein. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 378, 27-31	3.4	35
36	Translating innate response into long-lasting antibody response by the intrinsic antigen-adjuvant properties of papaya mosaic virus. <i>Immunology</i> , 2008 , 124, 186-97	7.8	31
35	Regulated nuclear targeting of cauliflower mosaic virus. <i>Journal of General Virology</i> , 2002 , 83, 1783-1790	4.9	31
34	A versatile papaya mosaic virus (PapMV) vaccine platform based on sortase-mediated antigen coupling. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 54	9.4	28
33	Induction of innate immunity in lungs with virus-like nanoparticles leads to protection against influenza and Streptococcus pneumoniae challenge. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 839-48	6	27
32	Engineering of papaya mosaic virus (PapMV) nanoparticles through fusion of the HA11 peptide to several putative surface-exposed sites. <i>PLoS ONE</i> , 2012 , 7, e31925	3.7	27
31	IDO expression by human B lymphocytes in response to T lymphocyte stimuli and TLR engagement is biologically inactive. <i>Molecular Immunology</i> , 2011 , 49, 253-9	4.3	25
30	Biochemical characterization of the helper component of Cauliflower mosaic virus. <i>Journal of Virology</i> , 2001 , 75, 8538-46	6.6	25
29	Tetramerization is a conserved feature of the virion-associated protein in plant pararetroviruses. <i>Journal of Virology</i> , 2001 , 75, 7739-43	6.6	25
28	Activation of innate immunity in primary human cells using a plant virus derived nanoparticle TLR7/8 agonist. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 2317-2327	6	22
27	Engineering of the PapMV vaccine platform with a shortened M2e peptide leads to an effective one dose influenza vaccine. <i>Vaccine</i> , 2015 , 33, 7245-7253	4.1	21
26	The product of ORF III in cauliflower mosaic virus interacts with the viral coat protein through its C-terminal proline rich domain. <i>Virus Genes</i> , 2001 , 22, 159-65	2.3	21
25	A method for in vitro assembly of hepatitis C virus core protein and for screening of inhibitors. <i>Analytical Biochemistry</i> , 2007 , 366, 37-45	3.1	20
24	Fludarabine downregulates indoleamine 2,3-dioxygenase in tumors via a proteasome-mediated degradation mechanism. <i>PLoS ONE</i> , 2014 , 9, e99211	3.7	19
23	Improvement of the PapMV nanoparticle adjuvant property through an increased of its avidity for the antigen [influenza NP]. <i>Vaccine</i> , 2012 , 30, 2535-42	4.1	19
22	Two distinct chimeric potexviruses share antigenic cross-presentation properties of MHC class I epitopes. <i>Vaccine</i> , 2010 , 28, 5617-26	4.1	19
21	Signal peptide peptidase promotes the formation of hepatitis C virus non-enveloped particles and is captured on the viral membrane during assembly. <i>Journal of General Virology</i> , 2005 , 86, 3055-3064	4.9	19
20	Complement Component 3 Regulates IFN- γ Production by Plasmacytoid Dendritic Cells following TLR7 Activation by a Plant Virus-like Nanoparticle. <i>Journal of Immunology</i> , 2017 , 198, 292-299	5.3	15

19	PapMV nanoparticles improve mucosal immune responses to the trivalent inactivated flu vaccine. <i>Journal of Nanobiotechnology</i> , 2014 , 12, 19	9.4	15
18	Purification and biochemical characterization of a monomeric form of papaya mosaic potexvirus coat protein. <i>Protein Expression and Purification</i> , 2006 , 47, 273-80	2	15
17	The quest for a nanoparticle-based vaccine inducing broad protection to influenza viruses. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 2563-2574	6	13
16	Increased Immunogenicity of Full-Length Protein Antigens through Sortase-Mediated Coupling on the PapMV Vaccine Platform. <i>Vaccines</i> , 2019 , 7,	5.3	12
15	A novel M2e based flu vaccine formulation for dogs. <i>PLoS ONE</i> , 2013 , 8, e77084	3.7	11
14	Influence of PapMV nanoparticles on the kinetics of the antibody response to flu vaccine. <i>Journal of Nanobiotechnology</i> , 2016 , 14, 43	9.4	10
13	High avidity binding of engineered papaya mosaic virus virus-like particles to resting spores of <i>Plasmodiophora brassicae</i> . <i>Journal of Biotechnology</i> , 2007 , 128, 423-34	3.7	10
12	Rapid High-Yield Production of Functional SARS-CoV-2 Receptor Binding Domain by Viral and Non-Viral Transient Expression for Pre-Clinical Evaluation. <i>Vaccines</i> , 2020 , 8,	5.3	10
11	Mapping the surface-exposed regions of papaya mosaic virus nanoparticles. <i>FEBS Journal</i> , 2012 , 279, 2004-11	5.7	9
10	Plant viral epitope display systems for vaccine development. <i>Current Topics in Microbiology and Immunology</i> , 2014 , 375, 47-59	3.3	9
9	Structure and dynamics changes induced by 2,2,2-trifluoro-ethanol (TFE) on the N-terminal half of hepatitis C virus core protein. <i>Biochemistry and Cell Biology</i> , 2010 , 88, 315-23	3.6	8
8	Effect of cAMP-dependent protein kinase A (PKA) on HCV nucleocapsid assembly and degradation. <i>Biochemistry and Cell Biology</i> , 2007 , 85, 78-87	3.6	7
7	Nucleotide sequence and phylogenetic analysis of a new potexvirus: Malva mosaic virus. <i>Infection, Genetics and Evolution</i> , 2008 , 8, 83-93	4.5	6
6	A Randomized Controlled Study to Evaluate the Safety and Reactogenicity of a Novel rVLP-Based Plant Virus Nanoparticle Adjuvant Combined with Seasonal Trivalent Influenza Vaccine Following Single Immunization in Healthy Adults 18-50 Years of Age. <i>Vaccines</i> , 2020 , 8,	5.3	5
5	Efficacy of a Virus-Like Nanoparticle As Treatment for a Chronic Viral Infection Is Hindered by IRAK1 Regulation and Antibody Interference. <i>Frontiers in Immunology</i> , 2017 , 8, 1885	8.4	2
4	Modulation of Antigen Display on PapMV Nanoparticles Influences Its Immunogenicity. <i>Vaccines</i> , 2021 , 9,	5.3	2
3	Interfering with hepatitis C virus assembly in vitro using affinity peptides directed towards core protein. <i>Canadian Journal of Microbiology</i> , 2012 , 58, 475-82	3.2	1
2	Nuclear targeting of the cauliflower mosaic virus (CaMV) genome This review is one of a selection of papers published in the Special Issue on Plant Cell Biology.. <i>Canadian Journal of Botany</i> , 2006 , 84, 565-571		1

- 1 MHC class I antigen cross-presentation mediated by PapMV nanoparticles in human antigen-presenting cells is dependent on autophagy.. *PLoS ONE*, **2021**, 16, e0261987 3·7 ○