

Denis Gerlier

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117
papers

5,141
citations

35
h-index

69
g-index

130
ext. papers

5,657
ext. citations

6.1
avg, IF

5.26
L-index

#	Paper	IF	Citations
117	Use of MTT colorimetric assay to measure cell activation. <i>Journal of Immunological Methods</i> , 1986 , 94, 57-63	2.5	845
116	Structural basis for the activation of innate immune pattern-recognition receptor RIG-I by viral RNA. <i>Cell</i> , 2011 , 147, 423-35	56.2	439
115	Virus entry, assembly, budding, and membrane rafts. <i>Microbiology and Molecular Biology Reviews</i> , 2003 , 67, 226-37, table of contents	13.2	360
114	Measles virus structural components are enriched into lipid raft microdomains: a potential cellular location for virus assembly. <i>Journal of Virology</i> , 2000 , 74, 305-11	6.6	197
113	A physical and functional link between cholesterol and tetraspanins. <i>European Journal of Immunology</i> , 2003 , 33, 2479-89	6.1	177
112	CD40 signaling in human dendritic cells is initiated within membrane rafts. <i>EMBO Journal</i> , 2000 , 19, 3304-13	4.3	152
111	Cytosolic 5' triphosphate ended viral leader transcript of measles virus as activator of the RIG-I-mediated interferon response. <i>PLoS ONE</i> , 2007 , 2, e279	3.7	147
110	Measles virus assembly within membrane rafts. <i>Journal of Virology</i> , 2000 , 74, 9911-5	6.6	133
109	Multiple levels of interactions within the tetraspanin web. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 304, 107-12	3.4	103
108	Strength of envelope protein interaction modulates cytopathicity of measles virus. <i>Journal of Virology</i> , 2002 , 76, 5051-61	6.6	103
107	Measles virus haemagglutinin induces down-regulation of gp57/67, a molecule involved in virus binding. <i>Journal of General Virology</i> , 1993 , 74 (Pt 6), 1073-9	4.9	101
106	Dynamics of viral RNA synthesis during measles virus infection. <i>Journal of Virology</i> , 2005 , 79, 6900-8	6.6	93
105	CD46 (membrane cofactor protein) associates with multiple beta1 integrins and tetraspans. <i>European Journal of Immunology</i> , 2000 , 30, 900-7	6.1	86
104	Nonstructural C protein is required for efficient measles virus replication in human peripheral blood cells. <i>Journal of Virology</i> , 1999 , 73, 1695-8	6.6	82
103	Structural Analysis of dsRNA Binding to Anti-viral Pattern Recognition Receptors LGP2 and MDA5. <i>Molecular Cell</i> , 2016 , 62, 586-602	17.6	82
102	Human C3 deficiency associated with impairments in dendritic cell differentiation, memory B cells, and regulatory T cells. <i>Journal of Immunology</i> , 2008 , 181, 5158-66	5.3	81
101	Measles Virus Structural Components Are Enriched into Lipid Raft Microdomains: a Potential Cellular Location for Virus Assembly. <i>Journal of Virology</i> , 2008 , 82, 8243-8243	6.6	78

100	Interplay between innate immunity and negative-strand RNA viruses: towards a rational model. <i>Microbiology and Molecular Biology Reviews</i> , 2011 , 75, 468-90, second page of table of contents	13.2	74
99	Mapping of the primary binding site of measles virus to its receptor CD46. <i>Journal of Biological Chemistry</i> , 1997 , 272, 22072-9	5.4	74
98	Nipah virus uses leukocytes for efficient dissemination within a host. <i>Journal of Virology</i> , 2011 , 85, 7863-71	6.5	65
97	Ligand binding determines whether CD46 is internalized by clathrin-coated pits or macropinocytosis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 46927-37	5.4	64
96	Transgenic expression of a CD46 (membrane cofactor protein) minigene: studies of xenotransplantation and measles virus infection. <i>European Journal of Immunology</i> , 1997 , 27, 726-34	6.1	53
95	A monoclonal antibody recognizes a human cell surface glycoprotein involved in measles virus binding. <i>Journal of General Virology</i> , 1992 , 73 (Pt 10), 2617-24	4.9	52
94	Optimized SYBR green real-time PCR assay to quantify the absolute copy number of measles virus RNAs using gene specific primers. <i>Journal of Virological Methods</i> , 2005 , 128, 79-87	2.6	44
93	Octamerization enables soluble CD46 receptor to neutralize measles virus in vitro and in vivo. <i>Journal of Virology</i> , 2000 , 74, 4672-8	6.6	43
92	Control of C3b and C5b deposition by CD46 (membrane cofactor protein) after alternative but not classical complement activation. <i>European Journal of Immunology</i> , 1999 , 29, 815-22	6.1	40
91	Kinetic discrimination of self/non-self RNA by the ATPase activity of RIG-I and MDA5. <i>BMC Biology</i> , 2015 , 13, 54	7.3	39
90	Inhibition of ubiquitination and stabilization of human ubiquitin E3 ligase PIRH2 by measles virus phosphoprotein. <i>Journal of Virology</i> , 2005 , 79, 11824-36	6.6	39
89	CD46-mediated measles virus entry: a first key to host-range specificity. <i>Trends in Microbiology</i> , 1995 , 3, 338-45	12.4	39
88	Interference with the production of infectious viral particles and bimodal inhibition of replication are broadly conserved antiviral properties of IFITMs. <i>PLoS Pathogens</i> , 2017 , 13, e1006610	7.6	39
87	Sequence of events in measles virus replication: role of phosphoprotein-nucleocapsid interactions. <i>Journal of Virology</i> , 2014 , 88, 10851-63	6.6	37
86	Interactions between the ectodomains of haemagglutinin and CD46 as a primary step in measles virus entry. <i>Journal of General Virology</i> , 1996 , 77 (Pt 7), 1477-81	4.9	36
85	Efficient major histocompatibility complex class II-restricted presentation of measles virus relies on hemagglutinin-mediated targeting to its cellular receptor human CD46 expressed by murine B cells. <i>Journal of Experimental Medicine</i> , 1994 , 179, 353-8	16.6	36
84	HSP90 Chaperoning in Addition to Phosphoprotein Required for Folding but Not for Supporting Enzymatic Activities of Measles and Nipah Virus L Polymerases. <i>Journal of Virology</i> , 2016 , 90, 6642-6656	6.6	36
83	Selective expression of a subset of measles virus receptor-competent CD46 isoforms in human brain. <i>Virology</i> , 1996 , 217, 349-55	3.6	35

82	Rapid titration of measles and other viruses: optimization with determination of replication cycle length. <i>PLoS ONE</i> , 2011 , 6, e24135	3.7	35
81	Measles virus receptor properties are shared by several CD46 isoforms differing in extracellular regions and cytoplasmic tails. <i>Journal of General Virology</i> , 1994 , 75 (Pt 9), 2163-71	4.9	33
80	Cell-cell fusion induced by measles virus amplifies the type I interferon response. <i>Journal of Virology</i> , 2007 , 81, 12859-71	6.6	32
79	Measles virus protein interactions in yeast: new findings and caveats. <i>Virus Research</i> , 2003 , 98, 123-9	6.4	32
78	An ultraweak interaction in the intrinsically disordered replication machinery is essential for measles virus function. <i>Science Advances</i> , 2018 , 4, eaat7778	14.3	31
77	Plasticity in structural and functional interactions between the phosphoprotein and nucleoprotein of measles virus. <i>Journal of Biological Chemistry</i> , 2012 , 287, 11951-67	5.4	30
76	Tumourigenic phenotypes of human melanoma cell lines in nude mice determined by an active antitumour mechanism. <i>British Journal of Cancer</i> , 1985 , 51, 335-45	8.7	30
75	Modulation of Re-initiation of Measles Virus Transcription at Intergenic Regions by PXD to NTAIL Binding Strength. <i>PLoS Pathogens</i> , 2016 , 12, e1006058	7.6	30
74	Viral hijacking of cellular ubiquitination pathways as an anti-innate immunity strategy. <i>Viral Immunology</i> , 2006 , 19, 349-62	1.7	29
73	Correlation between invariant chain expression level and capability to present antigen to MHC class II-restricted T cells. <i>International Immunology</i> , 1991 , 3, 435-43	4.9	29
72	Restriction of measles virus RNA synthesis by a mouse host cell line: trans-complementation by polymerase components or a human cellular factor(s). <i>Journal of Virology</i> , 2002 , 76, 6121-30	6.6	28
71	High efficiency of endogenous antigen presentation by MHC class II molecules. <i>International Immunology</i> , 1992 , 4, 1113-21	4.9	26
70	Major histocompatibility complex class II-restricted presentation of secreted and endoplasmic reticulum resident antigens requires the invariant chains and is sensitive to lysosomotropic agents. <i>European Journal of Immunology</i> , 1993 , 23, 3167-72	6.1	24
69	How order and disorder within paramyxoviral nucleoproteins and phosphoproteins orchestrate the molecular interplay of transcription and replication. <i>Cellular and Molecular Life Sciences</i> , 2017 , 74, 3091-3118	10.3	23
68	Inefficient measles virus budding in murine L.CD46 fibroblasts. <i>Virology</i> , 1999 , 265, 185-95	3.6	22
67	Dissecting partner recognition by an intrinsically disordered protein using descriptive random mutagenesis. <i>Journal of Molecular Biology</i> , 2013 , 425, 3495-509	6.5	21
66	Infection of chicken embryonic fibroblasts by measles virus: adaptation at the virus entry level. <i>Journal of Virology</i> , 1999 , 73, 5220-4	6.6	21
65	The interaction between the measles virus nucleoprotein and the Interferon Regulator Factor 3 relies on a specific cellular environment. <i>Virology Journal</i> , 2009 , 6, 59	6.1	20

64	Cytosolic targeting of hen egg lysozyme gives rise to a short-lived protein presented by class I but not class II major histocompatibility complex molecules. <i>European Journal of Immunology</i> , 1991 , 21, 761-9	6.1	20
63	Enhancement of in vivo and in vitro T cell response against measles virus haemagglutinin after its incorporation into liposomes: effect of the phospholipid composition. <i>Vaccine</i> , 1991 , 9, 340-5	4.1	20
62	Heparan sulfate-dependent enhancement of henipavirus infection. <i>MBio</i> , 2015 , 6, e02427	7.8	19
61	Regulation of measles virus gene expression by P protein coiled-coil properties. <i>Science Advances</i> , 2019 , 5, eaaw3702	14.3	18
60	Impairment of immunogenicity by antigen presentation in liposomes made from dimyristoylphosphatidylethanolamine linked to the secretion of prostaglandins by macrophages. <i>European Journal of Immunology</i> , 1987 , 17, 1839-42	6.1	17
59	Induction of antibody response to liposome-associated Gross-virus cell-surface antigen (GCSAa). <i>British Journal of Cancer</i> , 1980 , 41, 236-42	8.7	17
58	Cell surface activation of the alternative complement pathway by the fusion protein of measles virus. <i>Journal of General Virology</i> , 2004 , 85, 1665-1673	4.9	17
57	Formaldehyde inactivation of measles virus abolishes CD46-dependent presentation of nucleoprotein to murine class I-restricted CTLs but not to class II-restricted helper T cells. <i>Virology</i> , 1995 , 212, 255-8	3.6	16
56	Critical residue combinations dictate peptide presentation by MHC class II molecules. <i>Peptides</i> , 1994 , 15, 583-90	3.8	16
55	Refined study of the interaction between HIV-1 p6 late domain and ALIX. <i>Retrovirology</i> , 2008 , 5, 39	3.6	15
54	Generation of hen egg lysozyme-specific and major histocompatibility complex class I-restricted cytolytic T lymphocytes: recognition of cytosolic and secreted antigen expressed by transfected cells. <i>European Journal of Immunology</i> , 1990 , 20, 2325-32	6.1	15
53	Haemagglutinin of measles virus: purification and storage with preservation of biological and immunological properties. <i>Journal of General Virology</i> , 1988 , 69 (Pt 8), 2061-9	4.9	15
52	Transcription et r�plication des Mononegavirales: une machine mol�culaire originale. <i>Virologie</i> , 2012 , 16, 225-257	0.4	15
51	Assessing mycoplasma contamination of cell cultures by qPCR using a set of universal primer pairs targeting a 1.5 kb fragment of 16S rRNA genes. <i>PLoS ONE</i> , 2017 , 12, e0172358	3.7	14
50	Can one predict antigenic peptides for MHC class I-restricted cytotoxic T lymphocytes useful for vaccination?. <i>Vaccine</i> , 1993 , 11, 974-8	4.1	12
49	Conformational restriction of the Tyr53 side-chain in the decapeptide HE. <i>Chemical Biology and Drug Design</i> , 2000 , 56, 398-408		11
48	Interaction of CD46 with measles virus: accessory role of CD46 short consensus repeat IV. <i>Journal of General Virology</i> , 2000 , 81, 911-7	4.9	11
47	Cellular receptors, differentiation and endocytosis requirements are key factors for type I IFN response by human epithelial, conventional and plasmacytoid dendritic infected cells by measles virus. <i>Virus Research</i> , 2010 , 152, 115-25	6.4	10

46	Mode of entry of morbilliviruses. <i>Veterinary Microbiology</i> , 1995 , 44, 267-70	3.3	10
45	Efficient MHC class II-restricted presentation of measles virus to T cells relies on its targeting to its cellular receptor human CD46 and involves an endosomal pathway. <i>Cell Biology International</i> , 1994 , 18, 315-20	4.5	10
44	The C Protein Is Recruited to Measles Virus Ribonucleocapsids by the Phosphoprotein. <i>Journal of Virology</i> , 2020 , 94,	6.6	10
43	Type I Interferon Receptor Signaling Drives Selective Permissiveness of Astrocytes and Microglia to Measles Virus during Brain Infection. <i>Journal of Virology</i> , 2019 , 93,	6.6	9
42	Measles Virus: Identification in the M Protein Primary Sequence of a Potential Molecular Marker for Subacute Sclerosing Panencephalitis. <i>Advances in Virology</i> , 2015 , 2015, 769837	1.9	9
41	Emerging zoonotic viruses: new lessons on receptor and entry mechanisms. <i>Current Opinion in Virology</i> , 2011 , 1, 27-34	7.5	9
40	Antigen processing--from cell biology to molecular interactions. <i>Trends in Immunology</i> , 1989 , 10, 3-5		9
39	RIG-I self-oligomerization is either dispensable or very transient for signal transduction. <i>PLoS ONE</i> , 2014 , 9, e108770	3.7	8
38	Evidence for distinct complement regulatory and measles virus binding sites on CD46 SCR2. <i>European Journal of Immunology</i> , 2000 , 30, 3457-62	6.1	8
37	Molecular modeling of hen egg lysozyme HEL[52-61] peptide binding to I-Ak MHC class II molecule. <i>International Immunology</i> , 1998 , 10, 1753-64	4.9	8
36	Invariant chain expression similarly controls presentation of endogenously synthesized and exogenous antigens by MHC class II molecules. <i>Cellular Immunology</i> , 1993 , 148, 60-70	4.4	8
35	Humoral immune response elicited in rats by measles viral membrane antigens presented in liposomes and ISCOMs. <i>Vaccine</i> , 1988 , 6, 445-9	4.1	8
34	Use of an automatic cell harvester in a cellular radioimmunoassay. <i>Journal of Immunological Methods</i> , 1984 , 75, 159-66	2.5	8
33	Association of gross virus-associated cell-surface antigen with liposomes. <i>British Journal of Cancer</i> , 1980 , 41, 227-35	8.7	8
32	Activation of cGAS/STING pathway upon paramyxovirus infection. <i>IScience</i> , 2021 , 24, 102519	6.1	8
31	Structure of the measles virus H glycoprotein sheds light on an efficient vaccine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20639-40	11.5	7
30	Mutation of the TYTLE motif in the cytoplasmic tail of the sendai virus fusion protein deeply affects viral assembly and particle production. <i>PLoS ONE</i> , 2013 , 8, e78074	3.7	7
29	High-density rafts preferentially host the complement activator measles virus F glycoprotein but not the regulators of complement activation. <i>Molecular Immunology</i> , 2008 , 45, 3036-44	4.3	6

28	Quantification of measles virus by a virus receptor-dependent and haemagglutinin-specific T cell stimulation assay. <i>Journal of Immunological Methods</i> , 1995 , 187, 253-8	2.5	6
27	Physical separation of the aqueous phase and lipoidal lamellae from multilamellar liposomes: an analytical and preparative procedure. <i>Analytical Biochemistry</i> , 1983 , 130, 379-84	3.1	6
26	Sustained IL-2 production by the EL4 subline during continuous phorbol diester stimulation is related to an increase of IL-2-mRNA. <i>Journal of Immunological Methods</i> , 1986 , 88, 207-15	2.5	6
25	An accessory peptide binding site with allosteric effect on the formation of peptide-MHC-II complexes?. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 1998 , 321, 19-24		5
24	Chimeric CD46/DAF molecules reveal a cryptic functional role for SCR1 of DAF in regulating complement activation. <i>Molecular Immunology</i> , 2000 , 37, 687-96	4.3	5
23	The ectodomain of measles virus envelope glycoprotein does not gain access to the cytosol and MHC class I presentation pathway following virus-cell fusion. <i>Journal of General Virology</i> , 1996 , 77 (Pt 11), 2695-9	4.9	5
22	Interactions with host macrophages and ability of human melanoma cell lines to grow in nude mice. <i>International Journal of Cancer</i> , 1986 , 38, 419-24	7.5	5
21	Increase in E. active rosette forming lymphocytes in melanoma patients treated with BCG. <i>European Journal of Cancer</i> , 1977 , 13, 321-3		5
20	Selection of single-chain antibodies that specifically interact with vesicular stomatitis virus (VSV) nucleocapsid and inhibit viral RNA synthesis. <i>Journal of Virological Methods</i> , 2006 , 131, 16-20	2.6	4
19	Human T-cell leukemia virus type I-induced proliferation of human thymocytes requires the presence of a comitogen. <i>Cellular Immunology</i> , 1988 , 112, 391-401	4.4	4
18	Non-immunogenicity of enucleated rat hepatoma cells in syngeneic animals. <i>British Journal of Cancer</i> , 1981 , 44, 725-32	8.7	4
17	Highly cytotoxic antisera obtained in W/Fu rats against a syngeneic Gross virus induced lymphoma. <i>European Journal of Cancer</i> , 1977 , 13, 855-9		4
16	Organotypic Brain Cultures: A Framework for Studying CNS Infection by Neurotropic Viruses and Screening Antiviral Drugs. <i>Bio-protocol</i> , 2017 , 7, e2605	0.9	4
15	Resistance of the Meth A sarcoma-associated rejection antigen to inactivation with glutaraldehyde. <i>British Journal of Cancer</i> , 1981 , 44, 584-7	8.7	3
14	Octamerization Enables Soluble CD46 Receptor To Neutralize Measles Virus In Vitro and In Vivo. <i>Journal of Virology</i> , 2000 , 74, 4672-4678	6.6	3
13	Identification of a Region in the Common Amino-terminal Domain of Hendra Virus P, V, and W Proteins Responsible for Phase Transition and Amyloid Formation. <i>Biomolecules</i> , 2021 , 11,	5.9	3
12	A new epitope of the T200 molecule family defined by the 3A35 monoclonal antibody and expressed by macrophages and activated T lymphocytes. <i>European Journal of Immunology</i> , 1987 , 17, 327-33	6.1	2
11	Localization of an entrapped item within unilamellar vesicle compartments: use of ultrasound disruption as a procedure to separate aqueous phase and lipidic lamellae. <i>Journal of Microencapsulation</i> , 1985 , 2, 39-43	3.4	2

10	Nipah virus W protein harnesses nuclear 14-3-3 to inhibit NF- κ B-induced proinflammatory response. <i>Communications Biology</i> , 2021 , 4, 1292	6.7	2
9	A CD46CD[55-46] chimeric receptor, eight short consensus repeats long, acts as an inhibitor of both CD46 (MCP)- and CD150 (SLAM)-mediated cell-cell fusion induced by CD46-using measles virus. <i>Journal of General Virology</i> , 2002 , 83, 1147-1155	4.9	2
8	New insights into measles virus propagation: from entry to shedding. <i>Future Virology</i> , 2010 , 5, 297-311	2.4	1
7	Measurement of Gross cell-surface antigen and p30 level in murine retrovirus-infected cell lines. <i>British Journal of Cancer</i> , 1981 , 43, 659-68	8.7	1
6	Paramyxovirus and Rig-Like Helicases: A Complex Molecular Interplay Driving Innate Immunity 2011 , 243-260		
5	Virus-driven conditional expression of an interferon antagonist as a tool to circumvent host restriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 17239-40	11.5	
4	Regulation of the expression on mouse T lymphocytes of the epitope identified by monoclonal antibody 3A35. <i>Cellular Immunology</i> , 1987 , 106, 122-31	4.4	
3	Predicting substitutions to modulate disorder and stability in coiled-coils. <i>BMC Bioinformatics</i> , 2020 , 21, 573	3.6	
2	Les Journées Francophones de Virologie, une dix-septième édition marquée du sceau de la riche diversité de notre discipline. <i>Virologie</i> , 2015 , 19, 47-49	0.4	
1	Erreur d'identité de l'axe cellulaire : un risque en virologie ?. <i>Virologie</i> , 2015 , 19, 113-115	0.4	