

Denis Gerlier

List of Publications by Year in descending order

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120
papers

6,079
citations

87888

38
h-index

74163

75
g-index

130
all docs

130
docs citations

130
times ranked

6676
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of MTT colorimetric assay to measure cell activation. <i>Journal of Immunological Methods</i> , 1986, 94, 57-63.	1.4	1,005
2	Structural Basis for the Activation of Innate Immune Pattern-Recognition Receptor RIG-I by Viral RNA. <i>Cell</i> , 2011, 147, 423-435.	28.9	543
3	Virus Entry, Assembly, Budding, and Membrane Rafts. <i>Microbiology and Molecular Biology Reviews</i> , 2003, 67, 226-237.	6.6	422
4	Measles Virus Structural Components Are Enriched into Lipid Raft Microdomains: a Potential Cellular Location for Virus Assembly. <i>Journal of Virology</i> , 2000, 74, 305-311.	3.4	212
5	A physical and functional link between cholesterol and tetraspanins. <i>European Journal of Immunology</i> , 2003, 33, 2479-2489.	2.9	202
6	CD40 signaling in human dendritic cells is initiated within membrane rafts. <i>EMBO Journal</i> , 2000, 19, 3304-3313.	7.8	175
7	Cytosolic 5'â€²-Triphosphate Ended Viral Leader Transcript of Measles Virus as Activator of the RIG I-Mediated Interferon Response. <i>PLoS ONE</i> , 2007, 2, e279.	2.5	159
8	Measles Virus Assembly within Membrane Rafts. <i>Journal of Virology</i> , 2000, 74, 9911-9915.	3.4	151
9	Measles virus haemagglutinin induces down-regulation of gp57/67, a molecule involved in virus binding. <i>Journal of General Virology</i> , 1993, 74, 1073-1079.	2.9	137
10	Multiple levels of interactions within the tetraspanin web. <i>Biochemical and Biophysical Research Communications</i> , 2003, 304, 107-112.	2.1	116
11	Structural Analysis of dsRNA Binding to Anti-viral Pattern Recognition Receptors LGP2 and MDA5. <i>Molecular Cell</i> , 2016, 62, 586-602.	9.7	113
12	Strength of Envelope Protein Interaction Modulates Cytopathicity of Measles Virus. <i>Journal of Virology</i> , 2002, 76, 5051-5061.	3.4	111
13	Dynamics of Viral RNA Synthesis during Measles Virus Infection. <i>Journal of Virology</i> , 2005, 79, 6900-6908.	3.4	107
14	Human C3 Deficiency Associated with Impairments in Dendritic Cell Differentiation, Memory B Cells, and Regulatory T Cells. <i>Journal of Immunology</i> , 2008, 181, 5158-5166.	0.8	96
15	CD46 (membrane cofactor protein) associates with multiple Î²1 integrins and tetraspans. <i>European Journal of Immunology</i> , 2000, 30, 900-907.	2.9	93
16	Nonstructural C Protein Is Required for Efficient Measles Virus Replication in Human Peripheral Blood Cells. <i>Journal of Virology</i> , 1999, 73, 1695-1698.	3.4	89
17	Nipah Virus Uses Leukocytes for Efficient Dissemination within a Host. <i>Journal of Virology</i> , 2011, 85, 7863-7871.	3.4	86
18	Interplay between Innate Immunity and Negative-Strand RNA Viruses: towards a Rational Model. <i>Microbiology and Molecular Biology Reviews</i> , 2011, 75, 468-490.	6.6	85

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19	Mapping of the Primary Binding Site of Measles Virus to Its Receptor CD46. <i>Journal of Biological Chemistry</i> , 1997, 272, 22072-22079.	3.4	84
20	A Monoclonal Antibody Recognizes a Human Cell Surface Glycoprotein Involved In Measles Virus Binding. <i>Journal of General Virology</i> , 1992, 73, 2617-2624.	2.9	72
21	Ligand Binding Determines Whether CD46 Is Internalized by Clathrin-coated Pits or Macropinocytosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 46927-46937.	3.4	70
22	Transgenic expression of a CD46 (membrane cofactor protein) minigene: Studies of xenotransplantation and measles virus infection. <i>European Journal of Immunology</i> , 1997, 27, 726-734.	2.9	56
23	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.	4.7	56
24	CD46-mediated measles virus entry: a first key to host-range specificity. <i>Trends in Microbiology</i> , 1995, 3, 338-345.	7.7	50
25	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.	2.1	50
26	Rapid Titration of Measles and Other Viruses: Optimization with Determination of Replication Cycle Length. <i>PLoS ONE</i> , 2011, 6, e24135.	2.5	50
27	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.	3.4	49
28	An ultraweak interaction in the intrinsically disordered replication machinery is essential for measles virus function. <i>Science Advances</i> , 2018, 4, eaat7778.	10.3	49
29	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, 353-358.	8.5	47
30	Octamerization Enables Soluble CD46 Receptor To Neutralize Measles Virus In Vitro and In Vivo. <i>Journal of Virology</i> , 2000, 74, 4672-4678.	3.4	47
31	Inhibition of Ubiquitination and Stabilization of Human Ubiquitin E3 Ligase PIRH2 by Measles Virus Phosphoprotein. <i>Journal of Virology</i> , 2005, 79, 11824-11836.	3.4	47
32	Kinetic discrimination of self/non-self RNA by the ATPase activity of RIG-I and MDA5. <i>BMC Biology</i> , 2015, 13, 54.	3.8	47
33	Interactions between the ectodomains of haemagglutinin and CD46 as a primary step in measles virus entry. <i>Journal of General Virology</i> , 1996, 77, 1477-1481.	2.9	45
34	Cell-Cell Fusion Induced by Measles Virus Amplifies the Type I Interferon Response. <i>Journal of Virology</i> , 2007, 81, 12859-12871.	3.4	45
35	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, 2163-2171.	2.9	44
36	Sequence of Events in Measles Virus Replication: Role of Phosphoprotein-Nucleocapsid Interactions. <i>Journal of Virology</i> , 2014, 88, 10851-10863.	3.4	44

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37	Selective Expression of a Subset of Measles Virus Receptor-Competent CD46 Isoforms in Human Brain. <i>Virology</i> , 1996, 217, 349-355.	2.4	43
38	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, 815-822.	2.9	43
39	Modulation of Re-initiation of Measles Virus Transcription at Intergenic Regions by PXD to NTAIL Binding Strength. <i>PLoS Pathogens</i> , 2016, 12, e1006058.	4.7	43
40	Fuzzy regions in an intrinsically disordered protein impair protein-protein interactions. <i>FEBS Journal</i> , 2016, 283, 576-594.	4.7	43
41	Plasticity in Structural and Functional Interactions between the Phosphoprotein and Nucleoprotein of Measles Virus. <i>Journal of Biological Chemistry</i> , 2012, 287, 11951-11967.	3.4	36
42	Tumourigenic phenotypes of human melanoma cell lines in nude mice determined by an active antitumour mechanism. <i>British Journal of Cancer</i> , 1985, 51, 335-345.	6.4	34
43	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, 6121-6130.	3.4	34
44	Measles virus protein interactions in yeast: new findings and caveats. <i>Virus Research</i> , 2003, 98, 123-129.	2.2	34
45	Correlation between invariant chain expression level and capability to present antigen to MHC class II-restricted T cells. <i>International Immunology</i> , 1991, 3, 435-443.	4.0	33
46	High efficiency of endogenous antigen presentation by MHC class II molecules. <i>International Immunology</i> , 1992, 4, 1113-1121.	4.0	32
47	Regulation of measles virus gene expression by P protein coiled-coil properties. <i>Science Advances</i> , 2019, 5, eaaw3702.	10.3	31
48	Viral Hijacking of Cellular Ubiquitination Pathways as an Anti-Innate Immunity Strategy. <i>Viral Immunology</i> , 2006, 19, 349-362.	1.3	30
49	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.	5.4	30
50	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, 3167-3172.	2.9	28
51	Heparan Sulfate-Dependent Enhancement of Henipavirus Infection. <i>MBio</i> , 2015, 6, e02427.	4.1	26
52	Dissecting Partner Recognition by an Intrinsically Disordered Protein Using Descriptive Random Mutagenesis. <i>Journal of Molecular Biology</i> , 2013, 425, 3495-3509.	4.2	25
53	Activation of cGAS/STING pathway upon paramyxovirus infection. <i>IScience</i> , 2021, 24, 102519.	4.1	25
54	Inefficient Measles Virus Budding in Murine L-CD46 Fibroblasts. <i>Virology</i> , 1999, 265, 185-195.	2.4	24

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55	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, 761-769.	2.9	23
56	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.	3.4	23
57	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, .	3.4	22
58	Haemagglutinin of Measles Virus: Purification and Storage with Preservation of Biological and Immunological Properties. <i>Journal of General Virology</i> , 1988, 69, 2061-2069.	2.9	21
59	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, 340-345.	3.8	21
60	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.	2.5	21
61	Infection of Chicken Embryonic Fibroblasts by Measles Virus: Adaptation at the Virus Entry Level. <i>Journal of Virology</i> , 1999, 73, 5220-5224.	3.4	21
62	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, 1324.	4.0	20
63	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, 255-258.	2.4	19
64	Induction of antibody response to liposome-associated Gross-virus cell-surface antigen (GCSAa). <i>British Journal of Cancer</i> , 1980, 41, 236-242.	6.4	18
65	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.	2.9	18
66	Impairment of immunogenicity by antigen presentation in liposomes made from dimyristoylphosphatidyl-ethanolamine linked to the secretion of prostaglandins by macrophages. <i>European Journal of Immunology</i> , 1987, 17, 1839-1842.	2.9	17
67	Critical residue combinations dictate peptide presentation by MHC class II molecules. <i>Peptides</i> , 1994, 15, 583-590.	2.4	17
68	Transcription et réplication des Mononegavirales: une machine moléculaire originale. <i>Virologie</i> , 2012, 16, 225-257.	0.1	17
69	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, 2325-2332.	2.9	16
70	Refined study of the interaction between HIV-1 p6 late domain and ALIX. <i>Retrovirology</i> , 2008, 5, 39.	2.0	15
71	Humoral immune response elicited in rats by measles viral membrane antigens presented in liposomes and ISCOMs. <i>Vaccine</i> , 1988, 6, 445-449.	3.8	14
72	Can one predict antigenic peptides for MHC class I-restricted cytotoxic T lymphocytes useful for vaccination?. <i>Vaccine</i> , 1993, 11, 974-978.	3.8	14

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73	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, 315-320.	3.0	13
74	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, 1-12.	1.1	13
75	The C Protein Is Recruited to Measles Virus Ribonucleocapsids by the Phosphoprotein. <i>Journal of Virology</i> , 2020, 94, .	3.4	13
76	Interaction of CD46 with measles virus: accessory role of CD46 short consensus repeat IV. <i>Journal of General Virology</i> , 2000, 81, 911-917.	2.9	13
77	Mode of entry of morbilliviruses. <i>Veterinary Microbiology</i> , 1995, 44, 267-270.	1.9	12
78	Conformational restriction of the Tyr53 side-chain in the decapeptide HEL[52-61]: effects on binding to MHC-II I-Ak molecule and TCR recognition. <i>Chemical Biology and Drug Design</i> , 2000, 56, 398-408.	1.1	12
79	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, 115-125.	2.2	11
80	Antigen processing "from cell biology to molecular interactions. <i>Trends in Immunology</i> , 1989, 10, 3-5.	7.5	10
81	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.	3.0	10
82	Emerging zoonotic viruses: new lessons on receptor and entry mechanisms. <i>Current Opinion in Virology</i> , 2011, 1, 27-34.	5.4	10
83	RIG-I Self-Oligomerization Is Either Dispensable or Very Transient for Signal Transduction. <i>PLoS ONE</i> , 2014, 9, e108770.	2.5	10
84	Organotypic Brain Cultures: A Framework for Studying CNS Infection by Neurotropic Viruses and Screening Antiviral Drugs. <i>Bio-protocol</i> , 2017, 7, e2605.	0.4	10
85	Quantification of measles virus by a virus receptor-dependent and haemagglutinin-specific T cell stimulation assay. <i>Journal of Immunological Methods</i> , 1995, 187, 253-258.	1.4	9
86	Molecular modeling of hen egg lysozyme HEL[52-61] peptide binding to I-Ak MHC class II molecule.. <i>International Immunology</i> , 1998, 10, 1753-1764.	4.0	9
87	Evidence for distinct complement regulatory and measles virus binding sites on CD46 SCR2. <i>European Journal of Immunology</i> , 2000, 30, 3457-3462.	2.9	9
88	Nipah virus W protein harnesses nuclear 14-3-3 to inhibit NF- κ B-induced proinflammatory response. <i>Communications Biology</i> , 2021, 4, 1292.	4.4	9
89	Association of gross virus-associated cell-surface antigen with liposomes. <i>British Journal of Cancer</i> , 1980, 41, 227-235.	6.4	8
90	Use of an automatic cell harvester in a cellular radioimmunoassay. <i>Journal of Immunological Methods</i> , 1984, 75, 159-166.	1.4	8

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91	Structure of the measles virus H glycoprotein sheds light on an efficient vaccine. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20639-20640.	7.1	7
92	High-density rafts preferentially host the complement activator measles virus F glycoprotein but not the regulators of complement activation. Molecular Immunology, 2008, 45, 3036-3044.	2.2	7
93	Mutation of the TYTLE Motif in the Cytoplasmic Tail of the Sendai Virus Fusion Protein Deeply Affects Viral Assembly and Particle Production. PLoS ONE, 2013, 8, e78074.	2.5	7
94	Increase in E. active rosette forming lymphocytes in melanoma patients treated with BCG. European Journal of Cancer, 1977, 13, 321-323.	0.9	6
95	Physical separation of the aqueous phase and lipoidal lamellae from multilamellar liposomes: An analytical and preparative procedure. Analytical Biochemistry, 1983, 130, 379-384.	2.4	6
96	Sustained IL-2 production by the EL4 subline during continuous phorbol diester stimulation is related to an increase of IL-2-mRNA. Journal of Immunological Methods, 1986, 88, 207-215.	1.4	6
97	Interactions with host macrophages and ability of human melanoma cell lines to grow in nude mice. International Journal of Cancer, 1986, 38, 419-424.	5.1	6
98	Human T-cell leukemia virus type I-induced proliferation of human thymocytes requires the presence of a comitogen. Cellular Immunology, 1988, 112, 391-401.	3.0	6
99	An accessory peptide binding site with allosteric effect on the formation of peptide-MHC-II complexes?. Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie, 1998, 321, 19-24.	0.8	6
100	Octamerization Enables Soluble CD46 Receptor To Neutralize Measles Virus In Vitro and In Vivo. Journal of Virology, 2000, 74, 4672-4678.	3.4	6
101	The ectodomain of measles virus envelope glycoprotein does not gain access to the cytosol and MHC class I presentation pathway following virus-cell fusion. Journal of General Virology, 1996, 77, 2695-2699.	2.9	5
102	Chimeric CD46/DAF molecules reveal a cryptic functional role for SCR1 of DAF in regulating complement activation. Molecular Immunology, 2000, 37, 687-696.	2.2	5
103	Selection of single-chain antibodies that specifically interact with vesicular stomatitis virus (VSV) nucleocapsid and inhibit viral RNA synthesis. Journal of Virological Methods, 2006, 131, 16-20.	2.1	5
104	Highly cytotoxic antisera obtained in rats against a syngeneic gross virus induced lymphoma. European Journal of Cancer, 1977, 13, 855-859.	0.9	4
105	Non-immunogenicity of enucleated rat hepatoma cells in syngeneic animals. British Journal of Cancer, 1981, 44, 725-732.	6.4	4
106	Resistance of the Meth A sarcoma-associated rejection antigen to inactivation with glutaraldehyde. British Journal of Cancer, 1981, 44, 584-587.	6.4	3
107	A CD46CD[55&acaron;46] chimeric receptor, eight short consensus repeats long, acts as an inhibitor of both CD46 (MCP)- and CD150 (SLAM)-mediated cell&acaron;cell fusion induced by CD46-using measles virus. Journal of General Virology, 2002, 83, 1147-1155.	2.9	3
108	Localization of an entrapped item within unilamellar vesicle compartments: use of ultrasound disruption as a procedure to separate aqueous phase and lipidic lamellae. Journal of Microencapsulation, 1985, 2, 39-43.	2.8	2

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109	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, 327-333.	2.9	2
110	Measurement of Gross cell-surface antigen and p30 level in murine retrovirus-infected cell lines. <i>British Journal of Cancer</i> , 1981, 43, 659-668.	6.4	1
111	In Vivo Activation of Nude Mouse Macrophages by Human Melanoma Cells. <i>Journal of the National Cancer Institute</i> , 1987, , .	6.3	1
112	New insights into measles virus propagation: from entry to shedding. <i>Future Virology</i> , 2010, 5, 297-311.	1.8	1
113	Xenografting phenotype of human melanoma cells: Role of macrophage in its expression. <i>European Journal of Cancer & Clinical Oncology</i> , 1985, 21, 1372.	0.7	0
114	Regulation of the expression on mouse T lymphocytes of the epitope identified by monoclonal antibody 3A35. <i>Cellular Immunology</i> , 1987, 106, 122-131.	3.0	0
115	Paramyxovirus and Rig-Like Helicases: A Complex Molecular Interplay Driving Innate Immunity. , 2011, , 243-260.		0
116	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, 17239-17240.	7.1	0
117	Predicting substitutions to modulate disorder and stability in coiled-coils. <i>BMC Bioinformatics</i> , 2020, 21, 573.	2.6	0
118	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.	0.1	0
119	Erreur d'identité de l'hôte cellulaire: un risque en virologie?. <i>Virologie</i> , 2015, 19, 113-115.	0.1	0
120	Brevity, precision, relevance consistency and concept, five pillars to write an original and punchy PhD thesis. <i>Virologie</i> , 2016, 20, 257-260.	0.1	0