

# Pierre-Olivier Vidalain

## List of Publications by Year in descending order

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98  
papers

7,060  
citations

70961

41  
h-index

60497

81  
g-index

112  
all docs

112  
docs citations

112  
times ranked

11999  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Map of the Interactome Network of the Metazoan <i>C. elegans</i> . <i>Science</i> , 2004, 303, 540-543.	6.0	1,587
2	Hepatitis C virus infection protein network. <i>Molecular Systems Biology</i> , 2008, 4, 230.	3.2	340
3	Autophagy Induction by the Pathogen Receptor CD46. <i>Cell Host and Microbe</i> , 2009, 6, 354-366.	5.1	227
4	Human ORFeome Version 1.1: A Platform for Reverse Proteomics. <i>Genome Research</i> , 2004, 14, 2128-2135.	2.4	208
5	Characterization of novel safe lentiviral vectors derived from simian immunodeficiency virus (SIVmac251) that efficiently transduce mature human dendritic cells. <i>Gene Therapy</i> , 2000, 7, 1613-1623.	2.3	204
6	CD40 signaling in human dendritic cells is initiated within membrane rafts. <i>EMBO Journal</i> , 2000, 19, 3304-3313.	3.5	175
7	Measles Virus Induces Functional TRAIL Production by Human Dendritic Cells. <i>Journal of Virology</i> , 2000, 74, 556-559.	1.5	175
8	On Dihydroorotate Dehydrogenases and Their Inhibitors and Uses. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3148-3167.	2.9	175
9	IRGM Is a Common Target of RNA Viruses that Subvert the Autophagy Network. <i>PLoS Pathogens</i> , 2011, 7, e1002422.	2.1	173
10	Measles Virus Induces Abnormal Differentiation of CD40 Ligand-Activated Human Dendritic Cells. <i>Journal of Immunology</i> , 2000, 164, 1753-1760.	0.4	159
11	Benchmarking a luciferase complementation assay for detecting protein complexes. <i>Nature Methods</i> , 2011, 8, 990-992.	9.0	141
12	Inhibition of Pyrimidine Biosynthesis Pathway Suppresses Viral Growth through Innate Immunity. <i>PLoS Pathogens</i> , 2013, 9, e1003678.	2.1	137
13	Systematic Interactome Mapping and Genetic Perturbation Analysis of a <i>C. elegans</i> TGF- $\beta$ 2 Signaling Network. <i>Molecular Cell</i> , 2004, 13, 469-482.	4.5	136
14	Increasing specificity in high-throughput yeast two-hybrid experiments. <i>Methods</i> , 2004, 32, 363-370.	1.9	135
15	Species-specific impact of the autophagy machinery on Chikungunya virus infection. <i>EMBO Reports</i> , 2013, 14, 534-544.	2.0	121
16	Measles virus V protein blocks Jak1-mediated phosphorylation of STAT1 to escape IFN- $\beta$ /IFN- $\gamma$ signaling. <i>Virology</i> , 2007, 368, 351-362.	1.1	118
17	A Human Coronavirus Responsible for the Common Cold Massively Kills Dendritic Cells but Not Monocytes. <i>Journal of Virology</i> , 2012, 86, 7577-7587.	1.5	117
18	Consequences of Fas-Mediated Human Dendritic Cell Apoptosis Induced by Measles Virus. <i>Journal of Virology</i> , 2000, 74, 4387-4393.	1.5	116

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19	Inhibition of Chikungunya Virus Infection in Cultured Human Muscle Cells by Furin Inhibitors. <i>Journal of Biological Chemistry</i> , 2008, 283, 21899-21908.	1.6	114
20	Respiratory Syncytial Virus Infects Regulatory B Cells in Human Neonates via Chemokine Receptor CX3CR1 and Promotes Lung Disease Severity. <i>Immunity</i> , 2017, 46, 301-314.	6.6	102
21	Mapping of Chikungunya Virus Interactions with Host Proteins Identified nsP2 as a Highly Connected Viral Component. <i>Journal of Virology</i> , 2012, 86, 3121-3134.	1.5	98
22	A Global Interactome Map of the Dengue Virus NS1 Identifies Virus Restriction and Dependency Host Factors. <i>Cell Reports</i> , 2017, 21, 3900-3913.	2.9	90
23	Measles Virus (MV) Nucleoprotein Binds to a Novel Cell Surface Receptor Distinct from Fc $\gamma$ RIII via Its C-Terminal Domain: Role in MV-Induced Immunosuppression. <i>Journal of Virology</i> , 2003, 77, 11332-11346.	1.5	81
24	Polo-like Kinase 1 (PLK1) Regulates Interferon (IFN) Induction by MAVS. <i>Journal of Biological Chemistry</i> , 2009, 284, 21797-21809.	1.6	81
25	HIV Type 1-Infected Dendritic Cells Induce Apoptotic Death in Infected and Uninfected Primary CD4 T Lymphocytes. <i>AIDS Research and Human Retroviruses</i> , 2004, 20, 175-182.	0.5	80
26	NRP/Optineurin Cooperates with TAX1BP1 to Potentiate the Activation of NF- $\kappa$ B by Human T-Lymphotropic Virus Type 1 Tax Protein. <i>PLoS Pathogens</i> , 2009, 5, e1000521.	2.1	71
27	'Edgetic' perturbation of a <i>C. elegans</i> BCL2 ortholog. <i>Nature Methods</i> , 2009, 6, 843-849.	9.0	71
28	Generation and Comprehensive Analysis of an Influenza Virus Polymerase Cellular Interaction Network. <i>Journal of Virology</i> , 2011, 85, 13010-13018.	1.5	69
29	Inhibition of IFN- $\beta$ /IFN- $\gamma$ signaling by two discrete peptides within measles virus V protein that specifically bind STAT1 and STAT2. <i>Virology</i> , 2009, 383, 112-120.	1.1	67
30	The current landscape of coronavirus-host protein-protein interactions. <i>Journal of Translational Medicine</i> , 2020, 18, 319.	1.8	66
31	Microtubule-associated Proteins 1 (MAP1) Promote Human Immunodeficiency Virus Type 1 (HIV-1) Intracytoplasmic Routing to the Nucleus. <i>Journal of Biological Chemistry</i> , 2015, 290, 4631-4646.	1.6	65
32	Cytotoxic Activity of Human Dendritic Cells Is Differentially Regulated by Double-Stranded RNA and CD40 Ligand. <i>Journal of Immunology</i> , 2001, 167, 3765-3772.	0.4	62
33	Comparative analysis of virus-host interactomes with a mammalian high-throughput protein complementation assay based on <i>Gaussia princeps</i> luciferase. <i>Methods</i> , 2012, 58, 349-359.	1.9	59
34	NS3 of Bluetongue Virus Interferes with the Induction of Type I Interferon. <i>Journal of Virology</i> , 2013, 87, 8241-8246.	1.5	57
35	Maximizing binary interactome mapping with a minimal number of assays. <i>Nature Communications</i> , 2019, 10, 3907.	5.8	57
36	Human Tribbles 3 Protects Nuclear DNA from Cytidine Deamination by APOBEC3A. <i>Journal of Biological Chemistry</i> , 2012, 287, 39182-39192.	1.6	55

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37	C. elegans GLA-3 is a novel component of the MAP kinase MPK-1 signaling pathway required for germ cell survival. <i>Genes and Development</i> , 2006, 20, 2279-2292.	2.7	53
38	FHL1 is a major host factor for chikungunya virus infection. <i>Nature</i> , 2019, 574, 259-263.	13.7	49
39	Measles Virus and Dendritic Cell Functions: How Specific Response Cohabits with Immunosuppression. <i>Current Topics in Microbiology and Immunology</i> , 2003, 276, 103-123.	0.7	48
40	Study of Human RIG-I Polymorphisms Identifies Two Variants with an Opposite Impact on the Antiviral Immune Response. <i>PLoS ONE</i> , 2009, 4, e7582.	1.1	48
41	TACC3-TSC2 maintains nuclear envelope structure and controls cell division. <i>Cell Cycle</i> , 2010, 9, 1143-1155.	1.3	46
42	The Golgi Protein ACBD3, an Interactor for Poliovirus Protein 3A, Modulates Poliovirus Replication. <i>Journal of Virology</i> , 2013, 87, 11031-11046.	1.5	46
43	Proteomic Analysis of Virus-Host Interactions in an Infectious Context Using Recombinant Viruses. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.007443.	2.5	45
44	Recruitment of RED-SMU1 Complex by Influenza A Virus RNA Polymerase to Control Viral mRNA Splicing. <i>PLoS Pathogens</i> , 2014, 10, e1004164.	2.1	43
45	Original 2-(3-Alkoxy-1H-pyrazol-1-yl)pyrimidine Derivatives as Inhibitors of Human Dihydroorotate Dehydrogenase (DHODH). <i>Journal of Medicinal Chemistry</i> , 2015, 58, 860-877.	2.9	41
46	ViralORFeome: an integrated database to generate a versatile collection of viral ORFs. <i>Nucleic Acids Research</i> , 2010, 38, D371-D378.	6.5	38
47	Sequential actions of EOMES and T-BET promote stepwise maturation of natural killer cells. <i>Nature Communications</i> , 2021, 12, 5446.	5.8	38
48	Cloning and Characterization of Murine Thyroglobulin cDNA. <i>Clinical Immunology and Immunopathology</i> , 1997, 85, 221-226.	2.1	36
49	Viral Polymerase-Helicase Complexes Regulate Replication Fidelity To Overcome Intracellular Nucleotide Depletion. <i>Journal of Virology</i> , 2015, 89, 11233-11244.	1.5	36
50	Virus-host protein interactions in RNA viruses. <i>Microbes and Infection</i> , 2010, 12, 1134-1143.	1.0	33
51	Original 2-(3-Alkoxy-1H-pyrazol-1-yl)azines Inhibitors of Human Dihydroorotate Dehydrogenase (DHODH). <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5579-5598.	2.9	33
52	Interferons Mediate Terminal Differentiation of Human Cortical Thymic Epithelial Cells. <i>Journal of Virology</i> , 2002, 76, 6415-6424.	1.5	32
53	RelAp43, a Member of the NF- $\kappa$ B Family Involved in Innate Immune Response against Lyssavirus Infection. <i>PLoS Pathogens</i> , 2012, 8, e1003060.	2.1	32
54	Measle Virus-Infected Dendritic Cells Develop Immunosuppressive and Cytotoxic Activities. <i>Immunobiology</i> , 2001, 204, 629-638.	0.8	31

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55	A Phenotypic Assay to Identify Chikungunya Virus Inhibitors Targeting the Nonstructural Protein nsP2. <i>Journal of Biomolecular Screening</i> , 2013, 18, 172-179.	2.6	30
56	Characterization and functional interrogation of the SARS-CoV-2 RNA interactome. <i>Cell Reports</i> , 2022, 39, 110744.	2.9	30
57	The interaction of flavivirus M protein with light chain Tctex-1 of human dynein plays a role in late stages of virus replication. <i>Virology</i> , 2011, 417, 369-378.	1.1	29
58	Identification of a Functional, CRM-1-Dependent Nuclear Export Signal in Hepatitis C Virus Core Protein. <i>PLoS ONE</i> , 2011, 6, e25854.	1.1	28
59	Structure of the Nucleoprotein Binding Domain of Mokola Virus Phosphoprotein. <i>Journal of Virology</i> , 2010, 84, 1089-1096.	1.5	27
60	An efficient method for gene silencing in human primary plasmacytoid dendritic cells: silencing of the TLR7/IRF-7 pathway as a proof of concept. <i>Scientific Reports</i> , 2016, 6, 29891.	1.6	23
61	Original Chemical Series of Pyrimidine Biosynthesis Inhibitors That Boost the Antiviral Interferon Response. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	21
62	A hexokinase isoenzyme switch in human liver cancer cells promotes lipogenesis and enhances innate immunity. <i>Communications Biology</i> , 2021, 4, 217.	2.0	21
63	The V Protein of Tioman Virus Is Incapable of Blocking Type I Interferon Signaling in Human Cells. <i>PLoS ONE</i> , 2013, 8, e53881.	1.1	21
64	Screening and evaluation of antiviral compounds against Equid alpha-herpesviruses using an impedance-based cellular assay. <i>Virology</i> , 2019, 526, 105-116.	1.1	18
65	Differential Regulation of Type I Interferon and Epidermal Growth Factor Pathways by a Human Respirivirus Virulence Factor. <i>PLoS Pathogens</i> , 2009, 5, e1000587.	2.1	17
66	Respiratory syncytial virus infection in macaques is not suppressed by intranasal sprays of pyrimidine biosynthesis inhibitors. <i>Antiviral Research</i> , 2016, 125, 58-62.	1.9	16
67	Evaluation of the Antiviral Activity of Sephin1 Treatment and Its Consequences on eIF2 $\gamma$ Phosphorylation in Response to Viral Infections. <i>Frontiers in Immunology</i> , 2019, 10, 134.	2.2	16
68	Identification of a small molecule that primes the type I interferon response to cytosolic DNA. <i>Scientific Reports</i> , 2017, 7, 2561.	1.6	15
69	A Field-Proven Yeast Two-Hybrid Protocol Used to Identify Coronavirusâ€™Host Proteinâ€™Protein Interactions. <i>Methods in Molecular Biology</i> , 2015, 1282, 213-229.	0.4	15
70	Checkpoint kinase 1 inhibition sensitises transformed cells to dihydroorotate dehydrogenase inhibition. <i>Oncotarget</i> , 2017, 8, 95206-95222.	0.8	14
71	Identification of RNA partners of viral proteins in infected cells. <i>RNA Biology</i> , 2013, 10, 943-956.	1.5	13
72	Cerpegin-derived furo[3,4-c]pyridine-3,4(1H,5H)-diones enhance cellular response to interferons by de novo pyrimidine biosynthesis inhibition. <i>European Journal of Medicinal Chemistry</i> , 2020, 186, 111855.	2.6	13

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73	RACK1 Associates with RNA-Binding Proteins Vigilin and SERBP1 to Facilitate Dengue Virus Replication. <i>Journal of Virology</i> , 2022, , e0196221.	1.5	13
74	High-throughput Screening for Broad-spectrum Chemical Inhibitors of RNA Viruses. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	12
75	Autophagy Promotes Infectious Particle Production of Mopeia and Lassa Viruses. <i>Viruses</i> , 2019, 11, 293.	1.5	12
76	E3 Ligase ITCH Interacts with the Z Matrix Protein of Lassa and Mopeia Viruses and Is Required for the Release of Infectious Particles. <i>Viruses</i> , 2020, 12, 49.	1.5	12
77	A Bioluminescent 3CLPro Activity Assay to Monitor SARS-CoV-2 Replication and Identify Inhibitors. <i>Viruses</i> , 2021, 13, 1814.	1.5	12
78	pISTil: a pipeline for yeast two-hybrid Interaction Sequence Tags identification and analysis. <i>BMC Research Notes</i> , 2009, 2, 220.	0.6	11
79	High Frequency of Viral Co-Detections in Acute Bronchiolitis. <i>Viruses</i> , 2021, 13, 990.	1.5	11
80	Identification of Primary Natural Killer Cell Modulators by Chemical Library Screening with a Luciferase-Based Functional Assay. <i>SLAS Discovery</i> , 2019, 24, 25-37.	1.4	10
81	Evidence for an intranasal immune response to human respiratory syncytial virus infection in cynomolgus macaques. <i>Journal of General Virology</i> , 2015, 96, 782-792.	1.3	8
82	The CREB3-Herp signalling module limits the cytosolic calcium concentration increase and apoptosis induced by poliovirus. <i>Journal of General Virology</i> , 2016, 97, 2194-2200.	1.3	8
83	Destabilization of the human REDâ€™SMU1 splicing complex as a basis for host-directed antiinfluenza strategy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10968-10977.	3.3	7
84	Identification of host factors binding to dengue and Zika virus subgenomic RNA by efficient yeast three-hybrid screens of the human ORFeome. <i>RNA Biology</i> , 2021, 18, 732-744.	1.5	7
85	Domain 2 of Hepatitis C Virus Protein NS5A Activates Glucokinase and Induces Lipogenesis in Hepatocytes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 919.	1.8	7
86	Identification of antiviral compounds against equid herpesvirus-1 using real-time cell assay screening: Efficacy of decitabine and valganciclovir alone or in combination. <i>Antiviral Research</i> , 2020, 183, 104931.	1.9	6
87	Depletion of TAX1BP1 Amplifies Innate Immune Responses during Respiratory Syncytial Virus Infection. <i>Journal of Virology</i> , 2021, 95, e0091221.	1.5	6
88	Replication of Equine arteritis virus is efficiently suppressed by purine and pyrimidine biosynthesis inhibitors. <i>Scientific Reports</i> , 2020, 10, 10100.	1.6	5
89	Instability of the NS1 Glycoprotein from La Reunion 2018 Dengue 2 Virus (Cosmopolitan-1 Genotype) in Huh7 Cells Is Due to Lysine Residues on Positions 272 and 324. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1951.	1.8	4
90	Screening of potential antiviral molecules against equid herpesvirus-1 using cellular impedance measurement: Dataset of 2,891 compounds.. <i>Data in Brief</i> , 2020, 33, 106492.	0.5	3

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91	The cellular protein TIP47 restricts Respirovirus multiplication leading to decreased virus particle production. <i>Virus Research</i> , 2013, 173, 354-363.	1.1	2
92	Measuring the subcellular compartmentalization of viral infections by protein complementation assay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	2
93	Reprogramming of Central Carbon Metabolism in Myeloid Cells upon Innate Immune Receptor Stimulation. <i>Immuno</i> , 2021, 1, 1-14.	0.6	2
94	FHL1 is a key player of chikungunya virus tropism and pathogenesis. <i>Comptes Rendus - Biologies</i> , 2020, 343, 79-89.	0.1	2
95	On the TRAIL of HIV-induced immunosuppression. <i>Blood</i> , 2005, 105, 2241-2241.	0.6	1
96	Patchwork structure-function analysis of the Sendai virus matrix protein. <i>Virology</i> , 2014, 464-465, 330-340.	1.1	1
97	Chemical pollution and innate antiviral immunity: Dangerous Liaisons ?. <i>Virologie</i> , 2018, 22, 1-13.	0.1	0
98	R�sistance des Paramyxoviridae aux interf�rons de type I�: m�canismes d'�chappement et interactions virus-h�te. <i>Virologie</i> , 2012, 16, 286-298.	0.1	0