

# Jacques Le Pendu

## List of Publications by Year in descending order

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102  
papers

7,743  
citations

57758

44  
h-index

53230

85  
g-index

103  
all docs

103  
docs citations

103  
times ranked

6855  
citing authors

#	ARTICLE	IF	CITATIONS
1	Norwalk virus: How infectious is it?. <i>Journal of Medical Virology</i> , 2008, 80, 1468-1476.	5.0	1,019
2	Norwalk virus binds to histo-blood group antigens present on gastroduodenal epithelial cells of secretor individuals. <i>Gastroenterology</i> , 2002, 122, 1967-1977.	1.3	446
3	Genetics of ABO, H, Lewis, X and Related Antigens. <i>Vox Sanguinis</i> , 1986, 51, 161-171.	1.5	349
4	Inhibition of the interaction between the SARS-CoV Spike protein and its cellular receptor by anti-histo-blood group antibodies. <i>Glycobiology</i> , 2008, 18, 1085-1093.	2.5	306
5	Rabbit haemorrhagic disease (RHD) and rabbit haemorrhagic disease virus (RHDV): a review. <i>Veterinary Research</i> , 2012, 43, 12.	3.0	302
6	Cell attachment protein VP8* of a human rotavirus specifically interacts with A-type histo-blood group antigen. <i>Nature</i> , 2012, 485, 256-259.	27.8	283
7	ABH and Lewis histo-blood group antigens, a model for the meaning of oligosaccharide diversity in the face of a changing world. <i>Biochimie</i> , 2001, 83, 565-573.	2.6	272
8	Norwalk Virusâ€™specific Binding to Oyster Digestive Tissues. <i>Emerging Infectious Diseases</i> , 2006, 12, 931-936.	4.3	218
9	Synthesis of type 2 human blood-group antigenic determinants. The H, X, and Y haptens and variations of the H type 2 determinant as probes for the combining site of the lectin I of <i>Ulex europaeus</i> . <i>Carbohydrate Research</i> , 1982, 109, 109-142.	2.3	213
10	ABH and Lewis histo-blood group antigens in cancer. <i>Apmis</i> , 2001, 109, 9-26.	2.0	188
11	Transmission of viruses through shellfish: when specific ligands come into play. <i>Current Opinion in Virology</i> , 2012, 2, 103-110.	5.4	151
12	Proposal for a unified classification system and nomenclature of lagoviruses. <i>Journal of General Virology</i> , 2017, 98, 1658-1666.	2.9	148
13	Mendelian resistance to human norovirus infections. <i>Seminars in Immunology</i> , 2006, 18, 375-386.	5.6	142
14	A FUT2 Gene Common Polymorphism Determines Resistance to Rotavirus A of the P[8] Genotype. <i>Journal of Infectious Diseases</i> , 2014, 209, 1227-1230.	4.0	136
15	Binding of Rabbit Hemorrhagic Disease Virus to Antigens of the ABH Histo-Blood Group Family. <i>Journal of Virology</i> , 2000, 74, 11950-11954.	3.4	130
16	Distribution in Tissue and Seasonal Variation of Norovirus Genogroup I and II Ligands in Oysters. <i>Applied and Environmental Microbiology</i> , 2010, 76, 5621-5630.	3.1	128
17	Strain-Dependent Norovirus Bioaccumulation in Oysters. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3189-3196.	3.1	115
18	Influence of the Combined ABO, FUT2, and FUT3 Polymorphism on Susceptibility to Norwalk Virus Attachment. <i>Journal of Infectious Diseases</i> , 2005, 192, 1071-1077.	4.0	108

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19	The wide utility of rabbits as models of human diseases. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-10.	7.7	103
20	Histo-Blood Group Antigens Act as Attachment Factors of Rabbit Hemorrhagic Disease Virus Infection in a Virus Strain-Dependent Manner. <i>PLoS Pathogens</i> , 2011, 7, e1002188.	4.7	94
21	Human noroviruses recognize sialyl Lewis x neoglycoprotein. <i>Glycobiology</i> , 2009, 19, 309-320.	2.5	93
22	Fut2-null mice display an altered glycosylation profile and impaired BabA-mediated <i>Helicobacter pylori</i> adhesion to gastric mucosa. <i>Glycobiology</i> , 2009, 19, 1525-1536.	2.5	93
23	Fucose-binding Lectin from Opportunistic Pathogen <i>Burkholderia ambifaria</i> Binds to Both Plant and Human Oligosaccharidic Epitopes. <i>Journal of Biological Chemistry</i> , 2012, 287, 4335-4347.	3.4	92
24	Binding to histo-blood group antigen-expressing bacteria protects human norovirus from acute heat stress. <i>Frontiers in Microbiology</i> , 2015, 6, 659.	3.5	89
25	Harnessing the natural anti-glycan immune response to limit the transmission of enveloped viruses such as SARS-CoV-2. <i>PLoS Pathogens</i> , 2020, 16, e1008556.	4.7	83
26	Infectivity of GI and GII noroviruses established from oyster related outbreaks. <i>Epidemics</i> , 2013, 5, 98-110.	3.0	78
27	Comprehensive Analysis of a Norovirus-Associated Gastroenteritis Outbreak, from the Environment to the Consumer. <i>Journal of Clinical Microbiology</i> , 2010, 48, 915-920.	3.9	75
28	Noroviruses and histo-blood groups: the impact of common host genetic polymorphisms on virus transmission and evolution. <i>Reviews in Medical Virology</i> , 2013, 23, 355-366.	8.3	75
29	The VP8* Domain of Neonatal Rotavirus Strain G10P[11] Binds to Type II Precursor Glycans. <i>Journal of Virology</i> , 2013, 87, 7255-7264.	3.4	74
30	Bile-salt-stimulated lipase and mucins from milk of $\alpha$ -secretor <sup>TM</sup> mothers inhibit the binding of Norwalk virus capsids to their carbohydrate ligands. <i>Biochemical Journal</i> , 2006, 393, 627-634.	3.7	72
31	ABO Blood Types and COVID-19: Spurious, Anecdotal, or Truly Important Relationships? A Reasoned Review of Available Data. <i>Viruses</i> , 2021, 13, 160.	3.3	72
32	The $\alpha$ -Gal Epitope of the Histo-Blood Group Antigen Family Is a Ligand for Bovine Norovirus Newbury2 Expected to Prevent Cross-Species Transmission. <i>PLoS Pathogens</i> , 2009, 5, e1000504.	4.7	71
33	Increase of rat colon carcinoma cells tumorigenicity by $\alpha$ 2-fucosyltransferase gene transfection. <i>Glycobiology</i> , 1997, 7, 221-229.	2.5	69
34	Expression of sialyl-Tn epitopes on $\alpha$ 21 integrin alters epithelial cell phenotype, proliferation and haptotaxis. <i>Journal of Cell Science</i> , 2004, 117, 5059-5069.	2.0	68
35	An interleukin 2/sodium butyrate combination as immunotherapy for rat colon cancer peritoneal carcinomatosis. <i>Gastroenterology</i> , 1994, 107, 1697-1708.	1.3	66
36	Monoclonal antibodies specific for type 3 and type 4 chain-based blood group determinants: Relationship to the A1 and A2 subgroups. <i>Glycoconjugate Journal</i> , 1986, 3, 255-271.	2.7	64

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37	Â1,2Fucosyltransferase increases resistance to apoptosis of rat colon carcinoma cells. <i>Glycobiology</i> , 2000, 10, 375-382.	2.5	63
38	Hostâ€“pathogen co-evolution and glycan interactions. <i>Current Opinion in Virology</i> , 2014, 7, 88-94.	5.4	62
39	Bioaccumulation Efficiency, Tissue Distribution, and Environmental Occurrence of Hepatitis E Virus in Bivalve Shellfish from France. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4269-4276.	3.1	60
40	Glycosylation alterations of cells in late phase apoptosis from colon carcinomas. <i>Glycobiology</i> , 1999, 9, 1337-1345.	2.5	53
41	Covid-19 and blood groups: ABO antibody levels may also matter. <i>International Journal of Infectious Diseases</i> , 2021, 104, 242-249.	3.3	52
42	Long-term evolution of the CAZY glycosyltransferase 6 (ABO) gene family from fishes to mammalsâ€“a birth-and-death evolution model. <i>Glycobiology</i> , 2007, 17, 516-528.	2.5	49
43	Histo-blood group antigen-binding specificities of human rotaviruses are associated with gastroenteritis but not with in vitro infection. <i>Scientific Reports</i> , 2018, 8, 12961.	3.3	48
44	Genogroup IV and VI Canine Noroviruses Interact with Histo-Blood Group Antigens. <i>Journal of Virology</i> , 2014, 88, 10377-10391.	3.4	47
45	Heterogeneity of the ABH antigenic determinants expressed in human pyloric and duodenal mucosae. <i>Glycoconjugate Journal</i> , 1986, 3, 187-202.	2.7	46
46	Sustained fecal-oral human-to-human transmission following a zoonotic event. <i>Current Opinion in Virology</i> , 2017, 22, 1-6.	5.4	46
47	Expression of histo-blood group A antigen increases resistance to apoptosis and facilitates escape from immune control of rat colon carcinoma cells. <i>Glycobiology</i> , 2002, 12, 851-856.	2.5	39
48	Bovine Norovirus: Carbohydrate Ligand, Environmental Contamination, and Potential Cross-Species Transmission via Oysters. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6404-6411.	3.1	38
49	Monoclonal antibody 101 that precipitates the glycoprotein receptor for epidermal growth factor is directed against the Y antigen, not the H type 1 antigen. <i>Carbohydrate Research</i> , 1985, 141, 347-349.	2.3	37
50	Association between expression of the H histo-blood group antigen, Â1,2fucosyltransferases polymorphism of wild rabbits, and sensitivity to rabbit hemorrhagic disease virus. <i>Glycobiology</i> , 2008, 19, 21-28.	2.5	37
51	Tulane Virus as a Potential Surrogate To Mimic Norovirus Behavior in Oysters. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5249-5256.	3.1	34
52	Evidence for Human Norovirus Infection of Dogs in the United Kingdom. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1873-1883.	3.9	34
53	Anti-viral Effect of <i>Bifidobacterium adolescentis</i> against Noroviruses. <i>Frontiers in Microbiology</i> , 2016, 7, 864.	3.5	33
54	Fondness for sugars of enteric viruses confronts them with human glycans genetic diversity. <i>Human Genetics</i> , 2020, 139, 903-910.	3.8	33

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55	Two new FUT2 (fucosyltransferase 2 gene) missense polymorphisms, 739G→A and 839T→C, are partly responsible for non-secretor status in a Caucasian population from Northern Portugal. <i>Biochemical Journal</i> , 2004, 383, 469-474.	3.7	32
56	Expression of the 100-kDa glucose-regulated protein (grp100/endoplasmic reticulum chaperone) is associated with tumorigenicity in a model of rat colon adenocarcinoma. <i>International Journal of Cancer</i> , 1994, 56, 400-405.	5.1	31
57	Emergence of Pathogenicity in Lagoviruses: Evolution from Pre-existing Nonpathogenic Strains or through a Species Jump?. <i>PLoS Pathogens</i> , 2015, 11, e1005087.	4.7	31
58	Red cell H-deficient, salivary ABH secretor phenotype of Reunion island. Genetic control of the expression of H antigen in the skin. <i>Glycoconjugate Journal</i> , 1988, 5, 499-512.	2.7	30
59	Carbohydrate-Based Probes for Detection of Cellular Lectins. <i>Analytical Biochemistry</i> , 1998, 265, 282-289.	2.4	30
60	Involvement of histo-blood-group antigens in the susceptibility of colon carcinoma cells to natural killer-mediated cytotoxicity. <i>International Journal of Cancer</i> , 1992, 52, 609-618.	5.1	29
61	Infection-associated FUT2 (Fucosyltransferase 2) genetic variation and impact on functionality assessed by in vivo studies. <i>Glycoconjugate Journal</i> , 2010, 27, 61-68.	2.7	29
62	Norwalk virus-like particles bind specifically to A, H and difucosylated Lewis but not to B histo-blood group active glycosphingolipids. <i>Glycoconjugate Journal</i> , 2009, 26, 1171-1180.	2.7	27
63	Focus on the Controversial Activation of Human iNKT Cells by 4-Deoxy Analogue of KRN7000. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4960-4963.	6.4	27
64	A Recombinant Fungal Lectin for Labeling Truncated Glycans on Human Cancer Cells. <i>PLoS ONE</i> , 2015, 10, e0128190.	2.5	25
65	Widespread Gene Conversion of Alpha-2-Fucosyltransferase Genes in Mammals. <i>Journal of Molecular Evolution</i> , 2009, 69, 22-31.	1.8	24
66	Detection of RHDV strains in the Iberian hare ( <i>Lepus granatensis</i> ): earliest evidence of rabbit lagovirus cross-species infection. <i>Veterinary Research</i> , 2014, 45, 94.	3.0	24
67	INFLUENCE OF THE ORIGINAL DISEASE, RACE, AND CENTER ON THE OUTCOME OF KIDNEY TRANSPLANTATION. <i>Transplantation</i> , 1982, 33, 22-26.	1.0	23
68	ABO Blood Group Incompatibility Protects Against SARS-CoV-2 Transmission. <i>Frontiers in Microbiology</i> , 2021, 12, 799519.	3.5	23
69	Increased tumorigenicity of rat colon carcinoma cells after $\alpha$ 1,2-fucosyltransferase FTA anti-sense cDNA transfection. <i>Journal of Cellular Biochemistry</i> , 1999, 80, 606-611.		21
70	Comparison of the three rat GDP-L-fucose: $\beta$ 2-D-galactoside $\beta$ 1-L-fucosyltransferases FTA, FTB and FTC. <i>FEBS Journal</i> , 2001, 268, 1006-1019.	0.2	21
71	3-Fluoro- and 3,3-Difluoro-3,4-dideoxy-KRN7000 Analogues as New Potent Immunostimulator Agents: Total Synthesis and Biological Evaluation in Human Invariant Natural Killer T Cells and Mice. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1227-1241.	6.4	21
72	Molecular evolution and antigenic variation of European brown hare syndrome virus (EBHSV). <i>Virology</i> , 2014, 468-470, 104-112.	2.4	21

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73	Role for $\alpha$ 1,2-fucosyltransferase and histo-blood group antigen H type 2 in resistance of rat colon carcinoma cells to 5-fluorouracil. <i>International Journal of Cancer</i> , 2000, 85, 142-148.	5.1	20
74	FUT2, Secretor Status and FUT3 Polymorphisms of Children with Acute Diarrhea Infected with Rotavirus and Norovirus in Brazil. <i>Viruses</i> , 2020, 12, 1084.	3.3	20
75	Characterization of the carcinoma-associated T <sub>k</sub> antigen in helminth parasites. <i>Experimental Parasitology</i> , 2007, 116, 129-136.	1.2	19
76	Role for $\alpha$ 1,2-fucosyltransferase and histo-blood group antigen H type 2 in resistance of rat colon carcinoma cells to 5-fluorouracil. <i>International Journal of Cancer</i> , 2000, 85, 142.	5.1	18
77	Fluorescent carbohydrate probes for cell lectins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 2285-2296.	3.9	17
78	Molecular Characterization of Noroviruses and HBGA from Infected Quilombola Children in Espirito Santo State, Brazil. <i>PLoS ONE</i> , 2013, 8, e69348.	2.5	17
79	Carcinoma-associated fucosylated antigens are markers of the epithelial state and can contribute to cell adhesion through <i>CLEC17A</i> (Prolectin). <i>Oncotarget</i> , 2016, 7, 14064-14082.	1.8	17
80	Lewis enzyme ( $\alpha$ 1,3/4 fucosyltransferase) polymorphisms do not explain the Lewis phenotype in the gastric mucosa of a Portuguese population. <i>Journal of Human Genetics</i> , 2003, 48, 183-189.	2.3	16
81	Increase in Genogroup II.4 Norovirus Host Spectrum by CagA-Positive <i>Helicobacter pylori</i> Infection. <i>Journal of Infectious Diseases</i> , 2014, 210, 183-191.	4.0	16
82	Bovine Nebovirus Interacts with a Wide Spectrum of Histo-Blood Group Antigens. <i>Journal of Virology</i> , 2018, 92, .	3.4	16
83	The Coxsackievirus and Adenovirus Receptor, a Required Host Factor for Rotavirus Infection, Is a Putative Enteric Calicivirus Receptor. <i>Journal of Virology</i> , 2019, 93, .	3.4	16
84	Dual Recognition of Sialic Acid and $\alpha$ Gal Epitopes by the VP8* Domains of the Bovine Rotavirus G6P[5] WC3 and of Its Mono-reassortant G4P[5] RotaTeq Vaccine Strains. <i>Journal of Virology</i> , 2019, 93, .	3.4	16
85	A new anti-H lectin from the seeds of <i>Galactia tenuiflora</i> . <i>Glycoconjugate Journal</i> , 1986, 3, 203-216.	2.7	15
86	Host-Specific Glycans Are Correlated with Susceptibility to Infection by Lagoviruses, but Not with Their Virulence. <i>Journal of Virology</i> , 2018, 92, .	3.4	15
87	Blood Group Substances as Potential Therapeutic Agents for the Prevention and Treatment of Infection with Noroviruses Proving Novel Binding Patterns in Human Tissues. <i>PLoS ONE</i> , 2014, 9, e89071.	2.5	14
88	Cloning of a rat gene encoding the histo-blood group A enzyme. <i>FEBS Journal</i> , 2002, 269, 4040-4047.	0.2	13
89	Expression of ABH and X (Lex) antigens in various cells. <i>Biochimie</i> , 1988, 70, 1613-1618.	2.6	12
90	Immunization against a rat colon carcinoma by sodium butyrate-treated cells but not by interleukin 2-secreting cells. <i>Gastroenterology</i> , 1995, 109, 1555-1565.	1.3	12

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91	Expression of A and H blood-group and of CD44 antigens during chemical rat colonic carcinogenesis. Glycoconjugate Journal, 1997, 14, 801-808.	2.7	12
92	Susceptibility of rat colon carcinoma cells to lymphokine activated killer-mediated cytotoxicity is decreased by $\alpha$ 1,2-fucosylation. , 2000, 86, 713-717.		12
93	Evolution of microparasites in spatially and genetically structured host populations: The example of RHDV infecting rabbits. Journal of Theoretical Biology, 2009, 257, 212-227.	1.7	12
94	Low Levels of Natural Anti- $\alpha$ -N-Acetylgalactosamine (Tn) Antibodies Are Associated With COVID-19. Frontiers in Microbiology, 2021, 12, 641460.	3.5	11
95	Cloning of a rat gene encoding the histo-blood group B enzyme: rats have more than one Abo gene. Glycobiology, 2003, 13, 919-928.	2.5	9
96	Host-Range Shift Between Emerging P[8]-4 Rotavirus and Common P[8] and P[4] Strains. Journal of Infectious Diseases, 2020, 222, 836-839.	4.0	8
97	Relationship between sensitivity to natural killer cells and MHC class-I antigen expression in colon carcinoma cell lines. International Journal of Cancer, 1992, 50, 659-664.	5.1	7
98	Chronic or Accidental Exposure of Oysters to Norovirus: Is There Any Difference in Contamination?. Journal of Food Protection, 2013, 76, 505-509.	1.7	7
99	Neofunctionalization of the Sec1 $\alpha$ 1,2fucosyltransferase Parologue in Leporids Contributes to Glycan Polymorphism and Resistance to Rabbit Hemorrhagic Disease Virus. PLoS Pathogens, 2015, 11, e1004759.	4.7	7
100	A rat experimental model for the design of vaccines against tumor associated antigens Tn and Sialyl-Tn. Glycoconjugate Journal, 1999, 16, 681-684.	2.7	2
101	Identification and characterization of a rat protein (P 105) auto-antigenic in rats bearing a progressive syngeneic colon carcinoma. International Journal of Cancer, 1992, 50, 315-320.	5.1	1
102	Shared Human/Rabbit Ligands for Rabbit Hemorrhagic Disease Virus. Emerging Infectious Diseases, 2012, 18, 518-519.	4.3	1