Francis Delpeyroux

List of Publications by Year
in descending order

85	3,876	94381 37	128225 60
papers	citations	h-index	g-index

91	91	91	2418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular strategy for â€˜serotypingâ€™ of human enteroviruses. Journal of General Virology, 2001, 82, 79-91.	1.3	192
2	Natural Genetic Exchanges between Vaccine and Wild Poliovirus Strains in Humans. Journal of Virology, 2000, 74, 8434-8443.	1.5	181
3	The natural genomic variability of poliovirus analyzed by a restriction fragment length polymorphism assay. Virology, 1991, 184, 645-654.	1.1	173
4	Circulating vaccine-derived polioviruses: current state of knowledge. Bulletin of the World Health Organization, 2004, 82, 16-23.	1.5	135
5	Nucleotide sequence and expression of the diphtheria tox228 gene in Escherichia coli. Science, 1983, 221, 855-858.	6.0	129
6	Genomic Features of Intertypic Recombinant Sabin Poliovirus Strains Excreted by Primary Vaccinees. Journal of Virology, 2001, 75, 5740-5751.	1.5	129
7	A poliovirus neutralization epitope expressed on hybrid hepatitis B surface antigen particles. Science, 1986, 233, 472-475.	6.0	122
8	Recombinant Vaccineâ€“Derived Poliovirus in Madagascar. Emerging Infectious Diseases, 2003, 9, 885-887.	2.0	118
9	Molecular Comparison and Evolutionary Analyses of VP1 Nucleotide Sequences of New African Human Enterovirus 71 Isolates Reveal a Wide Genetic Diversity. PLoS ONE, 2014, 9, e90624.	1.1	113
10	Recombination between Poliovirus and Coxsackie A Viruses of Species C: A Model of Viral Genetic Plasticity and Emergence. Viruses, 2011, 3, 1460-1484.	1.5	102
11	Recombination between Polioviruses and Co-Circulating Coxsackie A Viruses: Role in the Emergence of Pathogenic Vaccine-Derived Polioviruses. PLoS Pathogens, 2009, 5, e1000412.	2.1	99
12	Molecular and Antigenic Characterization of a Highly Evolved Derivative of the Type 2 Oral Poliovaccine Strain Isolated from Sewage in Israel. Journal of Clinical Microbiology, 2000, 38, 3729-3734.	1.8	96
13	Evidence of Recombination and Genetic Diversity in Human Rhinoviruses in Children with Acute Respiratory Infection. PLoS ONE, 2009, 4, e6355.	1.1	95
14	High Frequency and Diversity of Species C Enteroviruses in Cameroon and Neighboring Countries. Journal of Clinical Microbiology, 2013, 51, 759-770.	1.8	92
15	Natural genetic recombination between co-circulating heterotypic enteroviruses. Journal of General Virology, 2002, 83, 2193-2200.	1.3	91
16	Poliovirus Induces Apoptosis in the Mouse Central Nervous System. Journal of Virology, 1999, 73, 6066-6072.	1.5	85
17	Structure of the complex between the Fab fragment of a neutralizing antibody for type 1 poliovirus and its viral epitope. Nature Structural and Molecular Biology, 1995, 2, 232-243.	3.6	83
18	Co-Circulation and Evolution of Polioviruses and Species C Enteroviruses in a District of Madagascar. PLoS Pathogens, 2007, 3, e191.	2.1	80

#	Article	IF	Citations
19	Reemergence of Recombinant Vaccineâ€Derived Poliovirus Outbreak in Madagascar. Journal of Infectious Diseases, 2008, 197, 1427-1435.	1.9	80
20	Molecular Characterization of Human Enteroviruses in the Central African Republic: Uncovering Wide Diversity and Identification of a New Human Enterovirus A71 Genogroup. Journal of Clinical Microbiology, 2012, 50, 1650-1658.	1.8	75
21	Inhibition of Polyamine Biosynthesis Is a Broad-Spectrum Strategy against RNA Viruses. Journal of Virology, 2016, 90, 9683-9692.	1.5	71
22	Neurovirulent Vaccine-Derived Polioviruses in Sewage from Highly Immune Populations. PLoS ONE, 2006, 1, e69.	1.1	66
23	Molecular comparison of echovirus 11 strains circulating in Europe during an epidemic of multisystem hemorrhagic disease of infants indicates that evolution generally occurs by recombination. Virology, 2004, 325, 56-70.	1.1	63
24	Nucleotide variation in Sabin type 2 poliovirus from an immunodeficient patient with poliomyelitis. Journal of General Virology, 2003, 84, 1215-1221.	1.3	62
25	Recombination in Enteroviruses, a Multi-Step Modular Evolutionary Process. Viruses, 2019, 11, 859.	1.5	61
26	Tripartite genome organization of a natural type 2 vaccine/nonvaccine recombinant poliovirus. Journal of General Virology, 1995, 76, 2343-2348.	1.3	58
27	Evolution and Emergence of Enteroviruses through Intra- and Inter-species Recombination: Plasticity and Phenotypic Impact of Modular Genetic Exchanges in the 5â€™ Untranslated Region. PLoS Pathogens, 2015, 11, e1005266.	2.1	57
28	Containment of Polioviruses After Eradication and OPV Cessation: Characterizing Risks to Improve Management. Risk Analysis, 2006, 26, 1449-1469.	1.5	56
29	Molecular epidemiology of human enterovirus 71 at the origin of an epidemic of fatal hand, foot and mouth disease cases in Cambodia. Emerging Microbes and Infections, 2016, 5, 1-9.	3.0	54
30	Characterization of Enteroviruses from Non-Human Primates in Cameroon Revealed Virus Types Widespread in Humans along with Candidate New Types and Species. PLoS Neglected Tropical Diseases, 2014, 8, e3052.	1.3	52
31	Genetic Relationship between Cocirculating Human Enteroviruses Species C. PLoS ONE, 2011, 6, e24823.	1.1	46
32	The Golgi Protein ACBD3, an Interactor for Poliovirus Protein 3A, Modulates Poliovirus Replication. Journal of Virology, 2013, 87, 11031-11046.	1.5	46
33	Nonhomologous Recombination between Defective Poliovirus and Coxsackievirus Genomes Suggests a New Model of Genetic Plasticity for Picornaviruses. MBio, 2014, 5, e01119-14.	1.8	46
34	Influence of the excision shock on the protein metabolism ofVicia faba L. meristematic root cells. Planta, 1982, 155, 478-485.	1.6	45
35	Point mutations involved in the attenuation/neurovirulence alternation in type 1 and 2 oral polio vaccine strains detected by site-specific polymerase chain reaction. Vaccine, 1994, 12, 503-507.	1.7	44
36	High Frequency of Human Enterovirus Species C Circulation in Madagascar. Journal of Clinical Microbiology, 2005, 43, 242-249.	1.8	42

#	Article	IF	Citations
37	Environmental Poliovirus Surveillance during Oral Poliovirus Vaccine and Inactivated Poliovirus Vaccine Use in Còrdoba Province, Argentina. Applied and Environmental Microbiology, 2009, 75, 1395-1401.	1.4	38
38	Common and Diverse Features of Cocirculating Type 2 and 3 Recombinant Vaccine-Derived Polioviruses Isolated From Patients With Poliomyelitis and Healthy Children. Journal of Infectious Diseases, 2012, 205, 1363-1373.	1.9	38
39	Exchanges of genomic domains between poliovirus and other cocirculating species C enteroviruses reveal a high degree of plasticity. Scientific Reports, 2016, 6, 38831.	1.6	38
40	Insertions in the hepatitis B surface antigen. Journal of Molecular Biology, 1987, 195, 343-350.	2.0	37
41	Thermostabilization of live virus vaccines by heavy water (D2O). Vaccine, 1995, 13, 1058-1063.	1.7	37
42	Molecular Aspects of Poliovirus Biology with a Special Focus on the Interactions with Nerve Cells. Journal of NeuroVirology, 1998, 4, 1-26.	1.0	37
43	Diphtheria toxin promoter function inCorynebacterium diphtheriaeandEscherichia coli. Nucleic Acids Research, 1985, 13, 3147-3159.	6.5	35
44	Characterization of the genome of human enteroviruses: Design of generic primers for amplification and sequencing of different regions of the viral genome. Journal of Virological Methods, 2008, 149, 277-284.	1.0	34
45	Impact of Exogenous Sequences on the Characteristics of an Epidemic Type 2 Recombinant Vaccine-Derived Poliovirus. Journal of Virology, 2008, 82, 8927-8932.	1.5	29
46	The new medium MDSS2N, free of any animal protein supports cell growth and production of various viruses. Cytotechnology, 1999, 30, 191-201.	0.7	28
47	Development of a Taqman RT-PCR assay for the detection and quantification of negatively stranded RNA of human enteroviruses: Evidence for false-priming and improvement by tagged RT-PCR. Journal of Virological Methods, 2008, 153, 182-189.	1.0	28
48	Suramin interacts with the positively charged region surrounding the 5-fold axis of the EV-A71 capsid and inhibits multiple enterovirus A. Scientific Reports, 2017, 7, 42902.	1.6	28
49	Whole Genome Sequencing of Enterovirus species C Isolates by High-Throughput Sequencing: Development of Generic Primers. Frontiers in Microbiology, 2016, 7, 1294.	1.5	21
50	Whole Genome Sequencing of Enteroviruses Species A to D by High-Throughput Sequencing: Application for Viral Mixtures. Frontiers in Microbiology, 2018, 9, 2339.	1.5	21
51	Enterovirus A71 Genogroups C and E in Children with Acute Flaccid Paralysis, West Africa. Emerging Infectious Diseases, 2016, 22, 753-755.	2.0	20
52	High Permissiveness for Genetic Exchanges between Enteroviruses of Species A, including Enterovirus 71, Favors Evolution through Intertypic Recombination in Madagascar. Journal of Virology, 2019, 93, .	1.5	20
53	Genetic Characterization of Enterovirus A71 Circulating in Africa. Emerging Infectious Diseases, 2018, 24, 754-757.	2.0	17
54	Circulation of a type 1 recombinant vaccine-derived poliovirus strain in a limited area in Romania. Archives of Virology, 2007, 152, 727-738.	0.9	14

#	Article	IF	Citations
55	Role of class I human leukocyte antigen molecules in early steps of echovirus infection of rhabdomyosarcoma cells. Virology, 2008, 381, 203-214.	1.1	14
56	Lyssavirus glycoproteins expressing immunologically potent foreign B cell and cytotoxic T lymphocyte epitopes as prototypes for multivalent vaccines. Journal of General Virology, 1999, 80, 2343-2351.	1.3	14
57	Use of a Multiple Restriction Fragment Length Polymorphism Method for Detecting Vaccine-Derived Polioviruses in Clinical Samples. Journal of Clinical Microbiology, 2006, 44, 4077-4084.	1.8	13
58	Coxsackievirus A24 Variant Associated with Acute Haemorrhagic Conjunctivitis Cases, French Guiana, 2017. Intervirology, 2017, 60, 271-275.	1.2	13
59	Reemergence of Recombinant Vaccineâ€“derived Polioviruses in Healthy Children, Madagascar. Emerging Infectious Diseases, 2013, 19, 1008-1010.	2.0	12
60	Antiviral Activity of 3(2H)- and 6-Chloro-3(2H)-Isoflavenes against Highly Diverged, Neurovirulent Vaccine-Derived, Type2 Poliovirus Sewage Isolates. PLoS ONE, 2011, 6, e18360.	1.1	11
61	Genomic characterization of Sebokele virus 1 (SEBV1) reveals a new candidate species among the genus Parechovirus. Journal of General Virology, 2013, 94, 1547-1553.	1.3	11
62	Genetic and phenotypic characterization of recently discovered enterovirus D type 111. PLoS Neglected Tropical Diseases, 2019, 13, e0007797.	1.3	11
63	Genetic landscape and macro-evolution of co-circulating Coxsackieviruses A and Vaccine-derived Polioviruses in the Democratic Republic of Congo, 2008-2013. PLoS Neglected Tropical Diseases, 2019, 13, e0007335.	1.3	10
64	Genetic diversity of human rhinoviruses in Cambodia during a three-year period reveals novel genetic types. Infection, Genetics and Evolution, 2015, 35, 42-49.	1.0	8
65	The CREB3-Herp signalling module limits the cytosolic calcium concentration increase and apoptosis induced by poliovirus. Journal of General Virology, 2016, 97, 2194-2200.	1.3	8
66	Genetic features of polioviruses isolated in Tunisia, 1991â€“2006. Journal of Clinical Virology, 2008, 41, 81-86.	1.6	7
67	The frequency and biodiversity of poliovirus and non-polio enterovirus strains isolated from healthy children living in a limited area in Romania. Archives of Virology, 2011, 156, 701-706.	0.9	7
68	First Full Genome Sequence of a Human Enterovirus A120, Isolated in Madagascar. Genome Announcements, 2014, 2, .	0.8	7
69	Metagenomic analysis identifies human adenovirus 31 in children with acute flaccid paralysis in Tunisia. Archives of Virology, 2019, 164, 747-755.	0.9	7
70	Construction and characterization of hybrid hepatitis B antigen particles carrying a poliovirus immunogen. Biochimie, 1988, 70, 1065-1073.	1.3	6
71	Enhancement of Humoral Immunity to SIVenv Following Simultaneous Inoculation of Mice by Three Recombinant Adenoviruses Encoding SIVenv/Poliovirus Chimeras, Tat and Rev. AIDS Research and Human Retroviruses, 1997, 13, 801-806.	0.5	6
72	Development of a simple and rapid protocol for the production of customized intertypic recombinant polioviruses. Journal of Virological Methods, 2012, 186, 104-108.	1.0	6

#	Article	IF	Citations
73	Enhancement of Gene Expression by Somatic Hybridization with Primary Cells: High-Level Synthesis of the Hepatitis B Surface Antigen in Monkey Vero Cells by Fusion with Primary Hepatocytes. Nature Biotechnology, 1990, 8, 858-862.	9.4	5
74	Importation and outbreak of wild polioviruses from 2000 to 2014 and interruption of transmission in Cameroon. Journal of Clinical Virology, 2016, 79, 18-24.	1.6	5
75	Enterovirusesâ€"the famous unknowns. Lancet Infectious Diseases, The, 2020, 20, 268-269.	4.6	4
76	Reinforced poliovirus and enterovirus surveillance in Romania, 2015â€"2016. Archives of Virology, 2020, 165, 2627-2632.	0.9	4
77	Genome analysis of coxsackievirus B1 isolates during the consecutive alternating administration course of triple antiviral combination in newborn mice. Antiviral Chemistry and Chemotherapy, 2020, 28, 204020662090606.	0.3	3
78	Molecular epidemiology of wild poliovirus type 1 circulation in West and Central Africa, from 1997 to 1999, using genotyping with a restriction fragment length polymorphism assay. Archives of Virology, 2008, 153, 409-416.	0.9	2
79	Emerging Problems Impeding the Elimination of the Last Polioviruses: Silent Circulation of Wild Strains in a Well-Immunized Population. Clinical Infectious Diseases, 2014, 60, 1065-7.	2.9	2
80	Development of a New Internally Controlled One-Step Real-Time RT-PCR for the Molecular Detection of Enterovirus A71 in Africa and Madagascar. Frontiers in Microbiology, 2020, 11, 1907.	1.5	2
81	A Rapid Method for Engineering Recombinant Polioviruses or Other Enteroviruses. Methods in Molecular Biology, 2016, 1387, 251-262.	0.4	1
82	A cold case: non-replicative recombination in positive-strand RNA viruses. Virologie, 2021, 25, 62-73.	0.1	1
83	Circulation silencieuse de souches sauvages de poliovirus dans une population bien vaccinÃ©e. Virologie, 2014, 18, 303-305.	0.1	1
84	Redondance fonctionnelle cachÃ©e de deux structures d'ARN viral non similaires rÃ©vÃ©lÃ©es grÃ¢ce Ã la bioinformatique. Virologie, 2013, 17, 383-386.	0.1	0
85	Recrutement des kinases PI4KIII aux organelles de rÃ©plication virale au cours de l'infection par le poliovirus et d'autres virus Ã ARN de polaritÃ© positive. Virologie, 2014, 18, 251-263.	0.1	0