Antonio Piralla

List of Publications by Year
in descending order

112 papers	3,538 citations	136950 32 h-index	175258 52 g-index
119 all docs	119 docs citations	119 times ranked	5943 citing authors

#	Article	IF	Citations
1	Cross-neutralization of four paramyxoviruses by a human monoclonal antibody. Nature, 2013, 501, 439-443.	27.8	220
2	Recommendations for enterovirus diagnostics and characterisation within and beyond Europe. Journal of Clinical Virology, 2018, 101, 11-17.	3.1	161
3	Persistence of SARS-CoV-2-specific B and TÂcell responses in convalescent COVID-19 patients 6â€“8Âmonths after the infection. Med, 2021, 2, 281-295.e4.	4.4	153
4	Clinical severity and molecular typing of human rhinovirus C strains during a fall outbreak affecting hospitalized patients. Journal of Clinical Virology, 2009, 45, 311-317.	3.1	110
5	Bispecific IgG neutralizes SARS-CoV-2 variants and prevents escape in mice. Nature, 2021, 593, 424-428.	27.8	108
6	Heterologous immunization with inactivated vaccine followed by mRNA-booster elicits strong immunity against SARS-CoV-2 Omicron variant. Nature Communications, 2022, 13, 2670.	12.8	108
7	Human respiratory coronavirus HKU1 versus other coronavirus infections in Italian hospitalised patients. Journal of Clinical Virology, 2007, 38, 244-250.	3.1	107
8	Genomic epidemiology of SARS-CoV-2 reveals multiple lineages and early spread of SARS-CoV-2 infections in Lombardy, Italy. Nature Communications, 2021, 12, 434.	12.8	102
9	Characteristics and Their Clinical Relevance of Respiratory Syncytial Virus Types and Genotypes Circulating in Northern Italy in Five Consecutive Winter Seasons. PLoS ONE, 2015, 10, e0129369.	2.5	101
10	Correlation of rhinovirus load in the respiratory tract and clinical symptoms in hospitalized immunocompetent and immunocompromised patients. Journal of Medical Virology, 2009, 81, 1498-1507.	5.0	100
11	Comparative evaluation of eight commercial human cytomegalovirus IgG avidity assays. Journal of Clinical Virology, 2010, 48, 255-259.	3.1	77
12	Circulation of non-polio enteroviruses in 24 EU and EEA countries between 2015 and 2017: a retrospective surveillance study. Lancet Infectious Diseases, The, 2020, 20, 350-361.	9.1	76
13	Naturally occurring mutations to HCV protease inhibitors in treatment-naÃ¯ve patients. Virology Journal, 2012, 9, 245.	3.4	72
14	Human serum from SARS-CoV-2-vaccinated and COVID-19 patients shows reduced binding to the RBD of SARS-CoV-2 Omicron variant. BMC Medicine, 2022, 20, 102.	5.5	67
15	FilmArrayâ„¢ GI panel performance for the diagnosis of acute gastroenteritis or hemorragic diarrhea. BMC Microbiology, 2017, 17, 111.	3.3	60
16	Immunity to SARS-CoV-2 up to 15Âmonths after infection. IScience, 2022, 25, 103743.	4.1	56
17	SARS-CoV-2 vaccine breakthrough infections with the alpha variant are asymptomatic or mildly symptomatic among health care workers. Nature Communications, 2021, 12, 6032.	12.8	55
18	Correlation of viral load as determined by real-time RT-PCR and clinical characteristics of respiratory syncytial virus lower respiratory tract infections in early infancy. Journal of Clinical Virology, 2008, 41, 45-48.	3.1	54

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19	Molecular detection of gastrointestinal viral infections in hospitalized patients. Diagnostic Microbiology and Infectious Disease, 2013, 77, 231-235.	1.8	52
20	Lack of SARS-CoV-2 RNA environmental contamination in a tertiary referral hospital for infectious diseases in Northern Italy. Journal of Hospital Infection, 2020, 105, 474-476.	2.9	51
21	Phylogenetic Patterns of Human Respiratory Picornavirus Species, Including the Newly Identified Group C Rhinoviruses, during a 1-Year Surveillance of a Hospitalized Patient Population in Italy. Journal of Clinical Microbiology, 2011, 49, 373-376.	3.9	49
22	Phylogenetic characterization of enterovirus 68 strains in patients with respiratory syndromes in Italy. Journal of Medical Virology, 2014, 86, 1590-1593.	5.0	49
23	Phylogenetic characterization of Central/Southern European lineage 2 West Nile virus: analysis of human outbreaks in Italy and Greece, 2013â€“2014. Clinical Microbiology and Infection, 2015, 21, 1122.e1-1122.e10.	6.0	49
24	SARS-CoV-2 specific T-cell immunity in COVID-19 convalescent patients and unexposed controls measured by exÂvivo ELISpot assay. Clinical Microbiology and Infection, 2021, 27, 1029-1034.	6.0	49
25	Human rhinovirus and human respiratory enterovirus (EV68 and EV104) infections in hospitalized patients in Italy, 2008â€“2009. Diagnostic Microbiology and Infectious Disease, 2012, 73, 162-167.	1.8	48
26	Severe outcome of influenza A/H1N1/09v infection associated with 222G/N polymorphisms in the haemagglutinin: a multicentre study. Clinical Microbiology and Infection, 2011, 17, 1166-1169.	6.0	44
27	Human parechovirus infections in patients admitted to hospital in Northern Italy, 2008â€“2010. Journal of Medical Virology, 2012, 84, 686-690.	5.0	44
28	Human enterovirus and parechovirus infections in newborns with sepsis-like illness and neurological disorders. Early Human Development, 2014, 90, S75-S77.	1.8	43
29	Compartmentalized Replication of SARS-Cov-2 in Upper vs. Lower Respiratory Tract Assessed by Whole Genome Quasispecies Analysis. Microorganisms, 2020, 8, 1302.	3.6	40
30	Multicluster nosocomial outbreak of parainfluenza virus type 3 infection in a pediatric oncohematology unit: a phylogenetic study. Haematologica, 2009, 94, 833-839.	3.5	38
31	Impact of rhinoviruses on pediatric community-acquired pneumonia. European Journal of Clinical Microbiology and Infectious Diseases, 2012, 31, 1637-1645.	2.9	38
32	Molecular epidemiology of primary human cytomegalovirus infection in pregnant women and their families. Journal of Medical Virology, 2008, 80, 1415-1425.	5.0	36
33	Re-emergence of enterovirus D68 in Europe after easing the COVID-19 lockdown, September 2021. Eurosurveillance, 2021, 26, .	7.0	36
34	Segregation of Virulent Influenza A(H1N1) Variants in the Lower Respiratory Tract of Critically Ill Patients during the 2010â€“2011 Seasonal Epidemic. PLoS ONE, 2011, 6, e28332.	2.5	34
35	Cytomegalovirus and Epstein-Barr Virus DNA Kinetics in Whole Blood and Plasma of Allogeneic Hematopoietic Stem Cell Transplantation Recipients. Biology of Blood and Marrow Transplantation, 2018, 24, 1699-1706.	2.0	33
36	Frequency of respiratory viruses among patients admitted to 26 Intensive Care Units in seven consecutive winter-spring seasons (2009â€“2016) in Northern Italy. Journal of Clinical Virology, 2017, 92, 48-51.	3.1	32

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37	Epidemiology and Clinical Characteristics of Respiratory Infections Due to Adenovirus in Children Living in Milan, Italy, during 2013 and 2014. PLoS ONE, 2016, 11, e0152375.	2.5	32
38	Comparison of immunologic and molecular assays for the diagnosis of gastrointestinal viral infections. Diagnostic Microbiology and Infectious Disease, 2013, 75, 110-111.	1.8	30
39	Detection of haemagglutinin D222 polymorphisms in influenza A(H1N1)pdm09-infected patients by ultra-deep pyrosequencing. Clinical Microbiology and Infection, 2013, 19, 668-673.	6.0	29
40	FilmArrayÂ® respiratory panel performance in respiratory samples from neonatal care units. Diagnostic Microbiology and Infectious Disease, 2014, 79, 183-186.	1.8	29
41	Differential cellular localization of Epsteinâ€“Barr virus and human cytomegalovirus in the colonic mucosa of patients with active or quiescent inflammatory bowel disease. Immunologic Research, 2016, 64, 191-203.	2.9	28
42	Humoral and cell-mediated response against SARS-CoV-2 variants elicited by mRNA vaccine BNT162b2 in healthcare workers: a longitudinal observational study. Clinical Microbiology and Infection, 2022, 28, 301.e1-301.e8.	6.0	28
43	Emergence of divergent enterovirus (EV) D68 sub-clade D1 strains, northern Italy, September to October 2018. Eurosurveillance, 2019, 24, .	7.0	28
44	Residual SARS-CoV-2 RNA in nasal swabs of convalescent COVID-19 patients: Is prolonged quarantine always justified?. International Journal of Infectious Diseases, 2021, 102, 299-302.	3.3	27
45	Enterovirus Genotype EV-104 in Humans, Italy, 2008â€“2009. Emerging Infectious Diseases, 2010, 16, 1018-1021.	4.3	26
46	Baseline and Breakthrough Resistance Mutations in HCV Patients Failing DAAs. Scientific Reports, 2017, 7, 16017.	3.3	26
47	Bocavirus Infection in Otherwise Healthy Children with Respiratory Disease. PLoS ONE, 2015, 10, e0135640.	2.5	26
48	First case in Italy of acquired resistance to oseltamivir in an immunocompromised patient with influenza A/H1N1v infection. Journal of Clinical Virology, 2010, 48, 220-222.	3.1	25
49	Complete Genome Sequence of a Novel Human Enterovirus C (HEV-C117) Identified in a Child with Community-Acquired Pneumonia. Journal of Virology, 2012, 86, 10888-10889.	3.4	25
50	A New Real-Time Reverse Transcription-PCR Assay for Detection of Human Enterovirus 68 in Respiratory Samples. Journal of Clinical Microbiology, 2015, 53, 1725-1726.	3.9	25
51	Enterovirus-D68 (EV-D68) in pediatric patients with respiratory infection: The circulation of a new B3 clade in Italy. Journal of Clinical Virology, 2018, 99-100, 91-96.	3.1	23
52	Virtual quantification of influenza A virus load by real-time RT-PCR. Journal of Clinical Virology, 2013, 56, 65-68.	3.1	21
53	The human bocavirus role in acute respiratory tract infections of pediatric patients as defined by viral load quantification. New Microbiologica, 2007, 30, 383-92.	0.1	21
54	A novel human enterovirus C (EV-C118) identified in two children hospitalised because of acute otitis media and community-acquired pneumonia in Israel. Journal of Clinical Virology, 2013, 56, 159-162.	3.1	19

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55	Persistent Human Cosavirus Infection in Lung Transplant Recipient, Italy. Emerging Infectious Diseases, 2013, 19, 1667-1669.	4.3	19
56	Reconstruction of the Evolutionary Dynamics of the A(H1N1)pdm09 Influenza Virus in Italy during the Pandemic and Post-Pandemic Phases. PLoS ONE, 2012, 7, e47517.	2.5	18
57	Macrophages and Monocytes: â€œTrojan Horsesâ€•in COVID-19. Viruses, 2021, 13, 2178.	3.3	18
58	Phylogenetic Analysis of Human Rhinovirus Isolates Collected from Otherwise Healthy Children with Community-Acquired Pneumonia during Five Successive Years. PLoS ONE, 2013, 8, e80614.	2.5	17
59	Antibody therapy for COVID-19. Current Opinion in Allergy and Clinical Immunology, 2021, 21, 553-558.	2.3	17
60	Viremic Dengue virus infections in travellers: Potential for local outbreak in Northern Italy. Journal of Clinical Virology, 2011, 50, 76-79.	3.1	16
61	HIV integrase variability and genetic barrier in antiretroviral naÃ¯ve and experienced patients. Virology Journal, 2011, 8, 149.	3.4	16
62	Different drug-resistant influenza A(H3N2) variants in two immunocompromised patients treated with oseltamivir during the 2011â€“2012 influenza season in Italy. Journal of Clinical Virology, 2013, 58, 132-137.	3.1	16
63	Risk of congenital disease in 46 infected fetuses according to gestational age of primary human cytomegalovirus infection in the mother. Journal of Medical Virology, 2016, 88, 120-126.	5.0	16
64	Kinetics of cytomegalovirus and Epstein-Barr virus DNA in whole blood and plasma of kidney transplant recipients: Implications on management strategies. PLoS ONE, 2020, 15, e0238062.	2.5	16
65	Swine influenza A (H1N1) virus (SIV) infection requiring extracorporeal life support in an immunocompetent adult patient with indirect exposure to pigs, Italy, October 2016. Eurosurveillance, 2017, 22, .	7.0	16
66	Enterovirus-D68 in the Cerebrospinal Fluid of Two Children with Aseptic Meningitis. Pediatric Infectious Disease Journal, 2016, 35, 589-591.	2.0	15
67	Genome Characterisation of Enteroviruses 117 and 118: A New Group within Human Enterovirus Species C. PLoS ONE, 2013, 8, e60641.	2.5	15
68	Allogeneic Hematopoietic Stem Cell Transplantation May Restore Gluten Tolerance in Patients With Celiac Disease. Journal of Pediatric Gastroenterology and Nutrition, 2013, 56, 422-427.	1.8	14
69	Monitoring of human cytomegalovirus DNAemia during primary infection in transmitter and non-transmitter mothers. Journal of Clinical Virology, 2016, 82, 89-93.	3.1	13
70	Acute respiratory distress syndrome in adenovirus type 4 pneumonia: A case report. Journal of Clinical Virology, 2016, 81, 78-81.	3.1	13
71	Frequency of respiratory virus infections and next-generation analysis of influenza A/H1N1pdm09 dynamics in the lower respiratory tract of patients admitted to the ICU. PLoS ONE, 2017, 12, e0178926.	2.5	13
72	A case of neonatal human parechovirus encephalitis with a favourable outcome. Brain and Development, 2014, 36, 70-73.	1.1	12

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73	Surveillance and vaccination coverage of measles and rubella in Northern Italy. Human Vaccines and Immunotherapeutics, 2015, 11, 206-213.	3.3	12
74	Persistent rhinovirus infection in pediatric hematopoietic stem cell transplant recipients with impaired cellular immunity. Journal of Clinical Virology, 2015, 67, 38-42.	3.1	11
75	Collaborative national multicenter for the identification of conversion factors from copies/mL to international units/mL for the normalization of HCMV DNA load. Diagnostic Microbiology and Infectious Disease, 2019, 95, 152-158.	1.8	11
76	Molecular epidemiology of influenza B virus among hospitalized pediatric patients in Northern Italy during the 2015-16 season. PLoS ONE, 2017, 12, e0185893.	2.5	11
77	Nation-wide measure of variability in HCMV, EBV and BKV DNA quantification among centers involved in monitoring transplanted patients. Journal of Clinical Virology, 2016, 82, 76-83.	3.1	10
78	Measles re-emergence in Northern Italy: Pathways of measles virus genotype D8, 2013â€“2014. Infection, Genetics and Evolution, 2017, 48, 120-126.	2.3	10
79	Letter to the editor: Need for a European network for enterovirus D68 surveillance after detections of EV-D68 of the new B3 lineage in Sweden and Italy, 2016. Eurosurveillance, 2017, 22, .	7.0	10
80	Characteristics and outcomes of vaccinated and nonvaccinated patients hospitalized in a single Italian hub for COVID-19 during the Delta and Omicron waves in Northern Italy. International Journal of Infectious Diseases, 2022, 122, 420-426.	3.3	10
81	Complete genome characterization of enterovirus 104 circulating in Northern Italy shows recombinant origin of the P3 region. Infection, Genetics and Evolution, 2013, 20, 111-117.	2.3	9
82	Cellular DNA quantification in respiratory samples for the normalization of viral load: a real need?. Journal of Clinical Virology, 2018, 107, 6-10.	3.1	9
83	SARS-CoV-2 positivity in rectal swabs: implication for possible transmission. Journal of Global Antimicrobial Resistance, 2020, 22, 754-755.	2.2	9
84	Molecular Epidemiology of Rhinovirus/Enterovirus and Their Role on Cause Severe and Prolonged Infection in Hospitalized Patients. Microorganisms, 2022, 10, 755.	3.6	9
85	No evidence of SARS-CoV-2 circulation in the framework of influenza surveillance between October 2019 and February 2020 in Lombardy, Italy. Travel Medicine and Infectious Disease, 2021, 40, 102002.	3.0	8
86	Circulation of two Enterovirus C105 (EV-C105) lineages in Europe and Africa. Journal of General Virology, 2015, 96, 1374-1379.	2.9	8
87	Novel Human Enterovirus C Infection in Child with Community-Acquired Pneumonia. Emerging Infectious Diseases, 2012, 18, 1913-1914.	4.3	7
88	Genetic variability of the measles virus hemagglutinin gene in B3 genotype strains circulating in Northern Italy. Infection, Genetics and Evolution, 2019, 75, 103943.	2.3	7
89	Rapid typing, subtyping and RNA quantification of influenza virus type A strains in respiratory secretions. New Microbiologica, 2008, 31, 319-27.	0.1	7
90	Genetic divergence of influenza A NS1 gene in pandemic 2009 H1N1 isolates with respect to H1N1 and H3N2 isolates from previous seasonal epidemics. Virology Journal, 2010, 7, 209.	3.4	6

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91	Reconstruction of the Evolutionary Dynamics of A(H3N2) Influenza Viruses Circulating in Italy from 2004 to 2012. PLoS ONE, 2015, 10, e0137099.	2.5	5
92	Update of the recommendations of the Italian Society of Medical Oncology on vaccination for seasonal influenza and pneumococcal infection in patients with cancer: Focus on prevention of pneumonia. European Journal of Cancer Care, 2018, 27, e12817.	1.5	5
93	Human parechovirus type 5 neurological infection in a neonate with a favourable outcome: A case report. International Journal of Infectious Diseases, 2019, 89, 175-178.	3.3	5
94	Outbreak of measles genotype H1 in Northern Italy originated from a case imported from Southeast Asia, 2017. Clinical Microbiology and Infection, 2019, 25, 526-528.	6.0	5
95	Comparative analysis of SARS-CoV-2 quasispecies in the upper and lower respiratory tract shows an ongoing evolution in the spike cleavage site. Virus Research, 2022, 315, 198786.	2.2	5
96	Viral dynamics among HCV infected patients with different genotypes treated with genotypic specific or pan-genotypic direct-acting antiviral agent combinations . Infection and Drug Resistance, 2019, Volume 12, 1975-1984.	2.7	4
97	Molecular Characterization of Influenza Strains in Patients Admitted to Intensive Care Units during the 2017â€“2018 Season. International Journal of Molecular Sciences, 2019, 20, 2664.	4.1	4
98	Contribution of Enteroviruses to Acute Central Nervous System or Systemic Infections in Northern Italy (2015-2017): Is It Time to Establish a National Laboratory-Based Surveillance System?. BioMed Research International, 2020, 2020, 1-5.	1.9	4
99	Detection of the SARSâ€CoVâ€2 in different biologic specimens from positive patients with COVIDâ€19, in Northern Italy. Pediatric Allergy and Immunology, 2020, 31, 72-74.	2.6	4
100	ORFeome Phage Display Reveals a Major Immunogenic Epitope on the S2 Subdomain of SARS-CoV-2 Spike Protein. Viruses, 2022, 14, 1326.	3.3	4
101	Swine Influenza A(H3N2) Virus Infection in Immunocompromised Man, Italy, 2014. Emerging Infectious Diseases, 2015, 21, 1189-91.	4.3	3
102	Presence of L701â€¯M mutation in the FKS1 gene of echinocandin-susceptible Candida krusei isolates. Diagnostic Microbiology and Infectious Disease, 2018, 92, 311-314.	1.8	3
103	SARSâ€CoVâ€2 infections in pediatric patients: A comparison of three pandemic waves. Pediatric Allergy and Immunology, 2022, 33, 93-95.	2.6	3
104	Spread of multiple SARSâ€CoVâ€2 lineages Aprilâ€August 2020 anticipated the second pandemic wave in Lombardy (Italy). Pediatric Allergy and Immunology, 2022, 33, 89-92.	2.6	3
105	Evaluation of the Neutralizing Antibodies Response against 14 SARS-CoV-2 Variants in BNT162b2 Vaccinated NaÃ¯ve and COVID-19 Positive Healthcare Workers from a Northern Italian Hospital. Vaccines, 2022, 10, 703.	4.4	3
106	Full Genome Sequence of a Novel Human Enterovirus C (EV-C118) Isolated from Two Children with Acute Otitis Media and Community-Acquired Pneumonia in Israel. Genome Announcements, 2013, 1, .	0.8	2
107	Baseline Amino Acid Substitutions in the NS5A ISDR and PKR Binding Domain of Hepatitis C and Different Fibrosis Levels and Levels of Development of Hepatocellular Carcinoma in Patients Treated with DAAs. Viruses, 2020, 12, 255.	3.3	2
108	Multiple clusters of A(H1N1)pdm09 virus circulating in severe cases of influenza during the 2010â€“2011 season: A phylogenetic and molecular analysis of the neuraminidase gene. Journal of Medical Virology, 2013, 85, 944-952.	5.0	1

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109	Phylogenetic Analysis of HIV Type 1 CRF02_AG in Multiple Genes in Italian and African Patients Living in Italy. AIDS Research and Human Retroviruses, 2014, 30, 812-818.	1.1	1
110	Emerging and re-emerging virus infections in neonates and young pediatric patients. Early Human Development, 2014, 90, S26-S28.	1.8	0
111	Authorsâ€™ reply: Two severe human cases due to swine influenza A (H1N1)v in October 2016 in Europe were chronologic coincident yet distinct events. Eurosurveillance, 2017, 22, .	7.0	0
112	Editorial for the Special Issue â€œEpidemiology of Enterovirus Diseaseâ€• Microorganisms, 2022, 10, 1221.	3.6	0