

Maria Rita Castrucci

List of Publications by Year in descending order

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84
papers

5,684
citations

101384

36
h-index

79541

73
g-index

88
all docs

88
docs citations

88
times ranked

6976
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Basis for the Generation in Pigs of Influenza A Viruses with Pandemic Potential. <i>Journal of Virology</i> , 1998, 72, 7367-7373.	1.5	860
2	Early Alterations of the Receptor-Binding Properties of H1, H2, and H3 Avian Influenza Virus Hemagglutinins after Their Introduction into Mammals. <i>Journal of Virology</i> , 2000, 74, 8502-8512.	1.5	786
3	Balanced Hemagglutinin and Neuraminidase Activities Are Critical for Efficient Replication of Influenza A Virus. <i>Journal of Virology</i> , 2000, 74, 6015-6020.	1.5	352
4	Genetic Reassortment between Avian and Human Influenza A Viruses in Italian Pigs. <i>Virology</i> , 1993, 193, 503-506.	1.1	340
5	Biologic importance of neuraminidase stalk length in influenza A virus. <i>Journal of Virology</i> , 1993, 67, 759-764.	1.5	206
6	The Role of Antigen in the Localization of Naive, Acutely Activated, and Memory CD8+ T Cells to the Lung During Influenza Pneumonia. <i>Journal of Immunology</i> , 2001, 167, 6983-6990.	0.4	149
7	Clinical Characteristics of Hospitalized Individuals Dying With COVID-19 by Age Group in Italy. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1796-1800.	1.7	138
8	Continued Evolution of H1N1 and H3N2 Influenza Viruses in Pigs in Italy. <i>Virology</i> , 1997, 232, 310-318.	1.1	135
9	Whole genome and phylogenetic analysis of two SARS-CoV-2 strains isolated in Italy in January and February 2020: additional clues on multiple introductions and further circulation in Europe. <i>Eurosurveillance</i> , 2020, 25, .	3.9	134
10	Epidemiological characteristics of COVID-19 cases and estimates of the reproductive numbers 1 month into the epidemic, Italy, 28 January to 31 March 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	121
11	Dissecting T cell lineage relationships by cellular barcoding. <i>Journal of Experimental Medicine</i> , 2008, 205, 2309-2318.	4.2	107
12	A \hat{A} -herpesvirus sneaks through a CD8+ T cell response primed to a lytic-phase epitope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 9281-9286.	3.3	105
13	The epidemiological signature of influenza B virus and its B/Victoria and B/Yamagata lineages in the 21st century. <i>PLoS ONE</i> , 2019, 14, e0222381.	1.1	102
14	I-MOVE multicentre case-control study 2010/11 to 2014/15: Is there within-season waning of influenza type/subtype vaccine effectiveness with increasing time since vaccination?. <i>Eurosurveillance</i> , 2016, 21, .	3.9	91
15	Attenuation of influenza A virus by insertion of a foreign epitope into the neuraminidase. <i>Journal of Virology</i> , 1992, 66, 4647-4653.	1.5	76
16	Antigen-specific and non-specific CD4+ T cell recruitment and proliferation during influenza infection. <i>Virology</i> , 2005, 340, 296-306.	1.1	73
17	Influence of host species on the evolution of the nonstructural (NS) gene of influenza A viruses. <i>Virus Research</i> , 1998, 55, 143-156.	1.1	71
18	Influenza - A Model of an Emerging Virus Disease. <i>Intervirolgy</i> , 1993, 35, 16-25.	1.2	65

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19	Factors affecting immune responses to the influenza vaccine. <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 637-646.	1.4	65
20	Distribution of influenza virus types by age using case-based global surveillance data from twenty-nine countries, 1999-2014. <i>BMC Infectious Diseases</i> , 2018, 18, 269.	1.3	64
21	Interim 2017/18 influenza seasonal vaccine effectiveness: combined results from five European studies. <i>Eurosurveillance</i> , 2018, 23, .	3.9	62
22	Protection against lethal lymphocytic choriomeningitis virus (LCMV) infection by immunization of mice with an influenza virus containing an LCMV epitope recognized by cytotoxic T lymphocytes. <i>Journal of Virology</i> , 1994, 68, 3486-3490.	1.5	60
23	Dominant influenza A(H3N2) and B/Yamagata virus circulation in EU/EEA, 2016/17 and 2017/18 seasons, respectively. <i>Eurosurveillance</i> , 2018, 23, .	3.9	56
24	Antigenic and sequence analysis of H3 influenza virus haemagglutinins from pigs in Italy. <i>Journal of General Virology</i> , 1994, 75, 371-379.	1.3	55
25	Investigation of an imported case of Middle East Respiratory Syndrome Coronavirus (MERS-CoV) infection in Florence, Italy, May to June 2013. <i>Eurosurveillance</i> , 2013, 18, .	3.9	55
26	Detection and full genome characterization of two beta CoV viruses related to Middle East respiratory syndrome from bats in Italy. <i>Virology Journal</i> , 2017, 14, 239.	1.4	53
27	Start of the 2014/15 influenza season in Europe: drifted influenza A(H3N2) viruses circulate as dominant subtype. <i>Eurosurveillance</i> , 2015, 20, .	3.9	53
28	Differences in the clinical characteristics of COVID-19 patients who died in hospital during different phases of the pandemic: national data from Italy. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 193-199.	1.4	49
29	Postexposure vaccination massively increases the prevalence of gamma -herpesvirus-specific CD8+ T cells but confers minimal survival advantage on CD4-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 2725-2730.	3.3	47
30	Mutations in the cytoplasmic tail of influenza A virus neuraminidase affect incorporation into virions. <i>Journal of Virology</i> , 1993, 67, 6762-6767.	1.5	47
31	Human Infection with Highly Pathogenic A(H7N7) Avian Influenza Virus, Italy, 2013. <i>Emerging Infectious Diseases</i> , 2014, 20, 1741-1745.	2.0	45
32	Generation of switched memory B cells in response to vaccination in Down syndrome children and their siblings. <i>Vaccine</i> , 2015, 33, 6689-6696.	1.7	44
33	The Cysteine Residues of the M2 Protein Are Not Required for Influenza A Virus Replication. <i>Virology</i> , 1997, 238, 128-134.	1.1	43
34	Reverse genetics system for generation of an influenza A virus mutant containing a deletion of the carboxyl-terminal residue of M2 protein. <i>Journal of Virology</i> , 1995, 69, 2725-2728.	1.5	43
35	Immunogenicity of influenza vaccine (1993-1994 winter season) in HIV-seropositive and -seronegative ex-intravenous drug users. <i>Vaccine</i> , 1997, 15, 97-102.	1.7	42
36	International Laboratory Comparison of Influenza Microneutralization Assays for A(H1N1)pdm09, A(H3N2), and A(H5N1) Influenza Viruses by CONSISE. <i>Vaccine Journal</i> , 2015, 22, 957-964.	3.2	41

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37	Primary CD8 ⁺ T-Cell Response to Soluble Ovalbumin Is Improved by Chloroquine Treatment In Vivo. <i>Vaccine Journal</i> , 2008, 15, 1497-1504.	3.2	38
38	Quantitative Multiplexed Imaging Analysis Reveals a Strong Association between Immunogen-Specific B Cell Responses and Tonsillar Germinal Center Immune Dynamics in Children after Influenza Vaccination. <i>Journal of Immunology</i> , 2018, 200, 538-550.	0.4	38
39	The Early Expression of Glycoprotein B from Herpes Simplex Virus Can Be Detected by Antigen-Specific CD8 + T Cells. <i>Journal of Virology</i> , 2003, 77, 2445-2451.	1.5	37
40	Co-circulation of the two influenza B lineages during 13 consecutive influenza surveillance seasons in Italy, 2004–2017. <i>BMC Infectious Diseases</i> , 2019, 19, 990.	1.3	34
41	Influenza vaccine effectiveness in Italy: Age, subtype-specific and vaccine type estimates 2014/15 season. <i>Vaccine</i> , 2016, 34, 3102-3108.	1.7	32
42	Integrase Defective Lentiviral Vector as a Vaccine Platform for Delivering Influenza Antigens. <i>Frontiers in Immunology</i> , 2018, 9, 171.	2.2	31
43	Detection of two antigenic subpopulations of A(H1N1) influenza viruses from pigs: Antigenic drift or interspecies transmission?. <i>Journal of Medical Virology</i> , 1991, 34, 248-257.	2.5	30
44	Highly pathogenic avian influenza A(H5N8) outbreaks: protection and management of exposed people in Europe, 2014/15 and 2016. <i>Eurosurveillance</i> , 2016, 21, .	3.9	30
45	2015/16 seasonal vaccine effectiveness against hospitalisation with influenza A(H1N1)pdm09 and B among elderly people in Europe: results from the I-MOVE+ project. <i>Eurosurveillance</i> , 2017, 22, .	3.9	29
46	Low 2016/17 season vaccine effectiveness against hospitalised influenza A(H3N2) among elderly: awareness warranted for 2017/18 season. <i>Eurosurveillance</i> , 2017, 22, .	3.9	29
47	Vaccination for seasonal influenza in patients with cancer: recommendations of the Italian Society of Medical Oncology (AIOM). <i>Annals of Oncology</i> , 2014, 25, 1243-1247.	0.6	28
48	Human–Animal Interface: The Case for Influenza Interspecies Transmission. <i>Advances in Experimental Medicine and Biology</i> , 2016, 972, 17-33.	0.8	26
49	Sex differences in clinical phenotype and transitions of care among individuals dying of COVID-19 in Italy. <i>Biology of Sex Differences</i> , 2020, 11, 57.	1.8	25
50	Enhancement of T cell-mediated immune responses to whole inactivated influenza virus by chloroquine treatment in vivo. <i>Vaccine</i> , 2013, 31, 1717-1724.	1.7	24
51	Antibody but not memory B-cell responses are tuned-down in vertically HIV-1 infected children and young individuals being vaccinated yearly against influenza. <i>Vaccine</i> , 2014, 32, 657-663.	1.7	23
52	Eco-Virological Preliminary Study of Potentially Emerging Pathogens in Hedgehogs (<i>Erinaceus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 2020, 10, 407.	1.0	22
53	Moderate influenza vaccine effectiveness against A(H1N1)pdm09 virus, and low effectiveness against A(H3N2) subtype, 2018/19 season in Italy. <i>Expert Review of Vaccines</i> , 2019, 18, 1201-1209.	2.0	21
54	Mucosal and Systemic Immune Responses to a Human Immunodeficiency Virus Type 1 Epitope Induced upon Vaginal Infection with a Recombinant Influenza A Virus. <i>Journal of Virology</i> , 2004, 78, 1020-1025.	1.5	19

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55	Effectiveness of the trivalent MF59 adjuvated influenza vaccine in preventing hospitalization due to influenza B and A(H1N1)pdm09 viruses in the elderly in Italy, 2017 – 2018 season. <i>Expert Review of Vaccines</i> , 2019, 18, 671-679.	2.0	19
56	Nonrespiratory Complications and Obesity in Patients Dying with COVID-19 in Italy. <i>Obesity</i> , 2021, 29, 20-23.	1.5	19
57	Clinical characteristics of individuals with Down syndrome deceased with COVID-19 in Italy – A case series. <i>American Journal of Medical Genetics, Part A</i> , 2020, 182, 2964-2970.	0.7	17
58	Co-circulation of influenza A(H1N1)pdm09 and influenza A(H3N2) viruses, World Health Organization (WHO) European Region, October 2018 to February 2019. <i>Eurosurveillance</i> , 2019, 24, .	3.9	17
59	Evidence of Cross-Reactive Immunity to 2009 Pandemic Influenza A Virus in Workers Seropositive to Swine H1N1 Influenza Viruses Circulating in Italy. <i>PLoS ONE</i> , 2013, 8, e57576.	1.1	15
60	Current practices for respiratory syncytial virus surveillance across the EU/EEA Member States, 2017. <i>Eurosurveillance</i> , 2019, 24, .	3.9	13
61	B-Sides Serologic Markers of Immunogenicity in Kidney Transplanted Patients. <i>Transplantation</i> , 2014, 98, 259-266.	0.5	11
62	Alternating patterns of seasonal influenza activity in the WHO European Region following the 2009 pandemic, 2010–2018. <i>Influenza and Other Respiratory Viruses</i> , 2020, 14, 150-161.	1.5	11
63	Comorbidity status of deceased COVID-19 in-patients in Italy. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 2361-2365.	1.4	11
64	Efficient vagina-to-lower respiratory tract immune trafficking in a murine model of influenza A virus infection. <i>Virology</i> , 2007, 361, 274-282.	1.1	10
65	Modified vaccinia virus Ankara expressing the hemagglutinin of pandemic (H1N1) 2009 virus induces cross-protective immunity against Eurasian avian-like™ H1N1 swine viruses in mice. <i>Influenza and Other Respiratory Viruses</i> , 2014, 8, 367-375.	1.5	10
66	Protective immunity against influenza in HLA-A2 transgenic mice by modified vaccinia virus Ankara vectored vaccines containing internal influenza proteins. <i>Pathogens and Global Health</i> , 2017, 111, 76-82.	1.0	10
67	Serologic Evidence of Occupational Exposure to Avian Influenza Viruses at the Wildfowl/Poultry/Human Interface. <i>Microorganisms</i> , 2021, 9, 2153.	1.6	9
68	Influenza A(H7N7) Virus among Poultry Workers, Italy, 2013. <i>Emerging Infectious Diseases</i> , 2016, 22, 1512-1513.	2.0	8
69	Serologic and Virologic Evidence of Influenza A Viruses in Wild Boars (<i>Sus scrofa</i>) from Two Different Locations in Italy. <i>Journal of Wildlife Diseases</i> , 2019, 55, 158.	0.3	8
70	Exploring mucosal immunization with a recombinant influenza virus carrying an HIV-polyepitope in mice with pre-existing immunity to influenza. <i>Vaccine</i> , 2014, 32, 2501-2506.	1.7	7
71	A heat-inactivated H7N3 vaccine induces cross-reactive cellular immunity in HLA-A2.1 transgenic mice. <i>Virology Journal</i> , 2016, 13, 56.	1.4	7
72	Virological Surveillance of Influenza in the eight epidemic seasons after the 2009 pandemic in Emilia-Romagna (Northern Italy). <i>Acta Biomedica</i> , 2019, 90, 35-44.	0.2	7

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73	Immunization of elderly volunteers with the 1988?89 inactivated whole influenza vaccine: Assessment of antibody responses by haemagglutination inhibition and single radial haemolysis tests. <i>European Journal of Epidemiology</i> , 1992, 8, 491-497.	2.5	6
74	Surveillance of influenza A and B viruses in Italy between 1984 and 1987. <i>European Journal of Epidemiology</i> , 1988, 4, 445-450.	2.5	5
75	Influenza vaccination in elderly residents in nursing homes: Immune response to trivalent and monovalent inactivated influenza virus vaccine in the season 1986?87. <i>European Journal of Epidemiology</i> , 1989, 5, 214-218.	2.5	5
76	Protective immunity to influenza: lessons from the virus for successful vaccine design. <i>Expert Review of Vaccines</i> , 2009, 8, 689-693.	2.0	5
77	Protein and nucleic acid analysis of influenza B viruses isolated in Italy in 1984. <i>Journal of Medical Virology</i> , 1989, 27, 201-209.	2.5	4
78	Immunogenicity of a Recombinant Influenza Virus Bearing Both the CD4+ and CD8+ T Cell Epitopes of Ovalbumin. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-7.	3.0	4
79	Strategies to obtain multiple recombinant modified vaccinia Ankara vectors. Applications to influenza vaccines. <i>Journal of Virological Methods</i> , 2018, 251, 7-14.	1.0	4
80	Immunogenicity of modified vaccinia virus Ankara expressing the hemagglutinin stalk domain of pandemic (H1N1) 2009 influenza virus. <i>Pathogens and Global Health</i> , 2017, 111, 69-75.	1.0	3
81	First recovery of A/equine/Fontainebleau/1/79 influenza viruses in Italy. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1991, 14, 315-323.	0.7	2
82	Concurrent antigenic analysis of recent epidemic influenza A and B viruses and quantitation of antibodies in population serosurveys in Italy. <i>European Journal of Epidemiology</i> , 1993, 9, 241-250.	2.5	2
83	Induction of Antibodies and T Cell Responses by a Recombinant Influenza Virus Carrying an HIV-1 Tat ⁵¹⁻⁵⁹ Protein in Mice. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	2
84	Conservation of H3N2 influenza viruses in pigs: Antigenic and genomic analysis. <i>Virus Research</i> , 1988, 11, 20.	1.1	0