

Alessandra Pontillo

List of Publications by Year in descending order

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88
papers

2,822
citations

201674

27
h-index

197818

49
g-index

88
all docs

88
docs citations

88
times ranked

3727
citing authors

#	ARTICLE	IF	CITATIONS
1	High incidence of <i>NLRP3</i> somatic mosaicism in patients with chronic infantile neurologic, cutaneous, articular syndrome: Results of an international multicenter collaborative study. <i>Arthritis and Rheumatism</i> , 2011, 63, 3625-3632.	6.7	247
2	Polymorphisms in Inflammasome Genes Are Involved in the Predisposition to Systemic Lupus Erythematosus. <i>Autoimmunity</i> , 2012, 45, 271-278.	2.6	143
3	Neutrophils from patients with TNFRSF1A mutations display resistance to tumor necrosis factor-induced apoptosis: Pathogenetic and clinical implications. <i>Arthritis and Rheumatism</i> , 2006, 54, 998-1008.	6.7	138
4	Two SNPs in <i>NLRP3</i> gene are involved in the predisposition to type-1 diabetes and celiac disease in a pediatric population from northeast Brazil. <i>Autoimmunity</i> , 2010, 43, 583-589.	2.6	127
5	A single-nucleotide polymorphism in the human beta-defensin 1 gene is associated with HIV-1 infection in Italian children. <i>Aids</i> , 2004, 18, 1598-1600.	2.2	123
6	Evolution of the Primate Cathelicidin. <i>Journal of Biological Chemistry</i> , 2006, 281, 19861-19871.	3.4	99
7	PIN1 promoter polymorphisms are associated with Alzheimer's disease. <i>Neurobiology of Aging</i> , 2007, 28, 69-74.	3.1	86
8	The Missense Variation Q705K in CIAS1 / NALP3 / NLRP3 Gene and an NLRP1 Haplotype Are Associated With Celiac Disease. <i>American Journal of Gastroenterology</i> , 2011, 106, 539-544.	0.4	86
9	NALP1/NLRP1 Genetic Variants are Associated With Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2012, 26, 277-281.	1.3	84
10	A 3' UTR SNP in NLRP3 Gene is Associated With Susceptibility to HIV-1 Infection. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2010, 54, 236-240.	2.1	82
11	Polymorphisms in Inflammasome' Genes and Susceptibility to HIV-1 Infection. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2012, 59, 121-125.	2.1	70
12	Clinical and genetic characterization of Italian patients affected by CINCA syndrome. <i>Rheumatology</i> , 2007, 46, 473-478.	1.9	68
13	DEFB1 gene polymorphisms and increased risk of HIV-1 infection in Brazilian children. <i>Aids</i> , 2006, 20, 1673-1675.	2.2	67
14	HIV-1 induces NALP3-inflammasome expression and interleukin-1 β secretion in dendritic cells from healthy individuals but not from HIV-positive patients. <i>Aids</i> , 2012, 26, 11-18.	2.2	64
15	Bacterial LPS Differently Modulates Inflammasome Gene Expression and IL-1 β Secretion in Trophoblast Cells, Decidual Stromal Cells, and Decidual Endothelial Cells. <i>Reproductive Sciences</i> , 2013, 20, 563-566.	2.5	61
16	Natural Isoprenoids are Able to Reduce Inflammation in a Mouse Model of Mevalonate Kinase Deficiency. <i>Pediatric Research</i> , 2008, 64, 177-182.	2.3	54
17	Genetic Predictors of Glucocorticoid Response in Pediatric Patients With Inflammatory Bowel Diseases. <i>Journal of Clinical Gastroenterology</i> , 2011, 45, e1-e7.	2.2	54
18	Variants in NLRP3 and NLR4 inflammasome associate with susceptibility and severity of multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 29, 26-34.	2.0	50

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19	Role of inflammasome genetics in susceptibility to HPV infection and cervical cancer development. <i>Journal of Medical Virology</i> , 2016, 88, 1646-1651.	5.0	49
20	The inhibition of mevalonate pathway induces upregulation of NALP3 expression: new insight in the pathogenesis of mevalonate kinase deficiency. <i>European Journal of Human Genetics</i> , 2010, 18, 844-847.	2.8	47
21	Polymorphisms and expression of inflammasome genes are associated with the development and severity of rheumatoid arthritis in Brazilian patients. <i>Inflammation Research</i> , 2018, 67, 255-264.	4.0	45
22	Susceptibility to Mycobacterium tuberculosis Infection in HIV-Positive Patients Is Associated With CARD8 Genetic Variant. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2013, 63, 147-151.	2.1	40
23	Inflammasome activation and IL-1 signaling during placental malaria induce poor pregnancy outcomes. <i>Science Advances</i> , 2020, 6, eaax6346.	10.3	40
24	Natural isoprenoids inhibit LPS-induced-production of cytokines and nitric oxide in aminobisphosphonate-treated monocytes. <i>International Immunopharmacology</i> , 2010, 10, 639-642.	3.8	37
25	Diagnostics and Therapeutic Insights in a Severe Case of Mevalonate Kinase Deficiency. <i>Pediatrics</i> , 2007, 119, e523-e527.	2.1	34
26	Gain-of-function variants in NLRP1 protect against the development of diabetic kidney disease: NLRP1 inflammasome role in metabolic stress sensing?. <i>Clinical Immunology</i> , 2018, 187, 46-49.	3.2	31
27	Differential expression of the inflammasome complex genes in systemic lupus erythematosus. <i>Immunogenetics</i> , 2020, 72, 217-224.	2.4	31
28	NLRP1 polymorphisms in patients with asbestos-associated mesothelioma. <i>Infectious Agents and Cancer</i> , 2012, 7, 25.	2.6	30
29	<i>NLRP1</i>L155H Polymorphism is a Risk Factor for Preeclampsia Development. <i>American Journal of Reproductive Immunology</i> , 2015, 73, 577-581.	1.2	30
30	Inflammasome genetics contributes to the development and control of active pulmonary tuberculosis. <i>Infection, Genetics and Evolution</i> , 2016, 41, 240-244.	2.3	25
31	The Syk-Coupled C-Type Lectin Receptors Dectin-2 and Dectin-3 Are Involved in Paracoccidioides brasiliensis Recognition by Human Plasmacytoid Dendritic Cells. <i>Frontiers in Immunology</i> , 2018, 9, 464.	4.8	25
32	Macrophage inflammatory state in Type 1 diabetes: triggered by NLRP3/iNOS pathway and attenuated by docosahexaenoic acid. <i>Clinical Science</i> , 2021, 135, 19-34.	4.3	25
33	Flagellin/NLRC4 Pathway Rescues NLRP3-Inflammasome Defect in Dendritic Cells From HIV-Infected Patients: Perspective for New Adjuvant in Immunocompromised Individuals. <i>Frontiers in Immunology</i> , 2019, 10, 1291.	4.8	24
34	Geraniol rescues inflammation in cellular and animal models of mevalonate kinase deficiency. <i>In Vivo</i> , 2011, 25, 87-92.	1.3	23
35	Genotyping and differential expression analysis of inflammasome genes in sporadic malignant melanoma reveal novel contribution of CARD8, IL1B and IL18 in melanoma susceptibility and progression. <i>Cancer Genetics</i> , 2016, 209, 474-480.	0.4	22
36	Inflammasome genetics and complex diseases: a comprehensive review. <i>European Journal of Human Genetics</i> , 2020, 28, 1307-1321.	2.8	21

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37	Defect in mevalonate pathway induces pyroptosis in Raw 264.7 murine monocytes. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 882-888.	4.9	20
38	The Farnesyltransferase Inhibitors Tipifarnib and Lonafarnib Inhibit Cytokines Secretion in a Cellular Model of Mevalonate Kinase Deficiency. Pediatric Research, 2011, 70, 78-82.	2.3	20
39	Inflammasome in HIV infection: Lights and shadows. Molecular Immunology, 2020, 118, 9-18.	2.2	20
40	Polymorphisms in inflammasome genes and risk of asthma in Brazilian children. Molecular Immunology, 2018, 93, 64-67.	2.2	19
41	Evolution of the hepcidin gene in primates. BMC Genomics, 2008, 9, 120.	2.8	18
42	NLRP1 haplotypes associated with leprosy in Brazilian patients. Infection, Genetics and Evolution, 2013, 19, 274-279.	2.3	18
43	NLRP3 polymorphism is associated with protection against human T-lymphotropic virus 1 infection. Memorias Do Instituto Oswaldo Cruz, 2014, 109, 957-960.	1.6	18
44	Transcriptional analysis of THP-1 cells infected with Leishmania infantum indicates no activation of the inflammasome platform. PLoS Neglected Tropical Diseases, 2020, 14, e0007949.	3.0	18
45	Targeting farnesyl-transferase as a novel therapeutic strategy for mevalonate kinase deficiency: In vitro and in vivo approaches. Pharmacological Research, 2010, 61, 506-510.	7.1	17
46	Inflammasome polymorphisms in juvenile systemic lupus erythematosus. Autoimmunity, 2015, 48, 434-7.	2.6	17
47	Contribution of inflammasome genetics in Plasmodium vivax malaria. Infection, Genetics and Evolution, 2016, 40, 162-166.	2.3	16
48	A case report of a novel compound heterozygous mutation in a Brazilian patient with deficiency of Interleukin-1 receptor antagonist (DIRA). Pediatric Rheumatology, 2020, 18, 67.	2.1	16
49	Inflammatory effect of Bothropstoxin-I from <i>Bothrops jararacussu</i> venom mediated by NLRP3 inflammasome involves ATP and P2X7 receptor. Clinical Science, 2021, 135, 687-701.	4.3	16
50	Exome analysis of HIV patients submitted to dendritic cells therapeutic vaccine reveals an association of <i>CNOT1</i> gene with response to the treatment. Journal of the International AIDS Society, 2014, 17, 18938.	3.0	15
51	Exosomes are possibly used as a tool of immune regulation during the dendritic cell-based immune therapy against HIV-1. Medical Hypotheses, 2016, 95, 67-70.	1.5	15
52	Sensing soluble uric acid by Naip1-Nlrp3 platform. Cell Death and Disease, 2021, 12, 158.	6.3	15
53	Decreased cholesterol levels reflect a consumption of anti-inflammatory isoprenoids associated with an impaired control of inflammation in a mouse model of mevalonate kinase deficiency. Inflammation Research, 2010, 59, 335-338.	4.0	14
54	Anti- α -enolase Antibodies in Serum from Pediatric Patients Affected by Inflammatory Diseases: Diagnostic and Pathogenetic Insights. International Journal of Rheumatology, 2011, 2011, 1-6.	1.6	14

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55	Histatins In Non-Human Primates: Gene Variations and Functional Effects. Protein and Peptide Letters, 2010, 17, 909-918.	0.9	13
56	Differential inflammasome expression and IL-1 β secretion in monocyte-derived dendritic cells differentiated with IL-4 or IFN- γ . AIDS Research and Therapy, 2013, 10, 35.	1.7	13
57	Antagonistic role of IL-1 β and NLRP3/IL-18 genetics in chronic HIV-1 infection. Clinical Immunology, 2019, 209, 108266.	3.2	12
58	NLRP1 acts as a negative regulator of Th17 cell programming in mice and humans with autoimmune diabetes. Cell Reports, 2021, 35, 109176.	6.4	12
59	Polymorphisms in innate immunity genes and patients response to dendritic cell-based HIV immuno-treatment. Vaccine, 2010, 28, 2201-2206.	3.8	11
60	Host genomic HIV restriction factors modulate the response to dendritic cell-based treatment against HIV-1. Human Vaccines and Immunotherapeutics, 2014, 10, 512-518.	3.3	11
61	Enhanced expression of NLRP3 inflammasome components by monocytes of patients with pulmonary paracoccidioidomycosis is associated with smoking and intracellular hypoxemia. Microbes and Infection, 2020, 22, 137-143.	1.9	11
62	Double-edged sword of inflammasome genetics in colorectal cancer prognosis. Clinical Immunology, 2020, 213, 108373.	3.2	11
63	Single-Nucleotide Variants in the AIM2 “Absent in Melanoma 2 Gene (rs1103577) Associated With Protection for Tuberculosis. Frontiers in Immunology, 2021, 12, 604975.	4.8	11
64	CARD15/NOD2 mutations are not related to abdominal PFAPA. Journal of Pediatrics, 2006, 149, 427.	1.8	10
65	Polymorphisms in SIGLEC1 contribute to susceptibility to pulmonary active tuberculosis possibly through the modulation of IL-1 β . Infection, Genetics and Evolution, 2017, 55, 313-317.	2.3	10
66	Influence of NKG2C gene deletion and CCR5 Δ 32 in Pre-eclampsia: Approaching the effect of innate immune gene variants in pregnancy. International Journal of Immunogenetics, 2019, 46, 82-87.	1.8	10
67	NLRP3 polymorphism is associated with protection against human T-lymphotropic virus 1 infection. Memorias Do Instituto Oswaldo Cruz, 2014, 109, 960-3.	1.6	10
68	Polymorphisms in <i>TREX1</i> and susceptibility to HIV-1 infection. International Journal of Immunogenetics, 2013, 40, 492-494.	1.8	9
69	CCR5 Δ 32 “A piece of protection in the inflammatory puzzle of multiple sclerosis susceptibility. Human Immunology, 2018, 79, 621-626.	2.4	9
70	NOD-Like Receptors: A Tail from Plants to Mammals Through Invertebrates. Current Protein and Peptide Science, 2017, 18, 311-322.	1.4	9
71	Human neutrophils specifically interact with human monocyte-derived macrophage monolayers. Inflammation, 2000, 24, 89-98.	3.8	7
72	Host genetics contributes to the effectiveness of dendritic cell-based HIV immunotherapy. Human Vaccines and Immunotherapeutics, 2018, 14, 1995-2002.	3.3	7

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73	Gain-of-function SNPs in NLRP3 and IL1B genes confer protection against obesity and T2D: undiscovered role of inflammasome genetics in metabolic homeostasis?. <i>Endocrine</i> , 2018, 60, 368-371.	2.3	7
74	Combining Host Genetics and Functional Analysis to Depict Inflammasome Contribution in Tuberculosis Susceptibility and Outcome in Endemic Areas. <i>Frontiers in Immunology</i> , 2020, 11, 550624.	4.8	7
75	Common pathogen-associated molecular patterns induce the hyper-activation of NLRP3 inflammasome in circulating B lymphocytes of HIV-infected individuals. <i>Aids</i> , 2021, 35, 899-910.	2.2	7
76	A Specific IL6 Polymorphic Genotype Modulates the Risk of Trypanosoma cruzi Parasitemia While IL18, IL17A, and IL1B Variant Profiles and HIV Infection Protect Against Cardiomyopathy in Chagas Disease. <i>Frontiers in Immunology</i> , 2020, 11, 521409.	4.8	5
77	Comments on "Ziebart T et al. (2011). Oral Oncology, 2011, 47, 436-437." A new potential therapeutic approach to bisphosphonate associated osteonecrosis of the jaw.	1.5	4
78	Dendritic cells used in anti-HIV immunotherapy showed different modulation in anti-HIV genes expression: New concept for the improvement of patients' selection criteria. <i>Journal of Cellular Immunotherapy</i> , 2016, 2, 85-94.	0.6	3
79	A genetic variant within <i>SLC30A6</i> has a protective role in the severity of rheumatoid arthritis. <i>Scandinavian Journal of Rheumatology</i> , 2017, 46, 326-327.	1.1	3
80	Genetic contribution and functional impairment of inflammasome in sickle cell disease. <i>Cytokine</i> , 2022, 149, 155717.	3.2	3
81	The genetics behind inflammasome regulation. <i>Molecular Immunology</i> , 2022, 145, 27-42.	2.2	3
82	HIV mother-to-child transmission: A complex genetic puzzle tackled by Brazil and Argentina research teams. <i>Infection, Genetics and Evolution</i> , 2013, 19, 312-322.	2.3	2
83	Autologous and allogenic systems of HIV expansion: what is the better choice for clinical application in therapeutic vaccine?. <i>Immunotherapy</i> , 2013, 5, 1305-1311.	2.0	2
84	Data on inflammasome gene polymorphisms of patients with sporadic malignant melanoma in a Brazilian cohort. <i>Data in Brief</i> , 2017, 10, 33-37.	1.0	1
85	Genetics of Inflammasomes. <i>Experientia Supplementum</i> (2012), 2018, 108, 321-341.	0.9	1
86	Letter to the Editor: Acute Effects of Intravenous Administration of Pamidronate in Patients with Osteoporosis. <i>Journal of Korean Medical Science</i> , 2011, 26, 848.	2.5	0
87	Genetic Control of Immune Response and Susceptibility to Infectious Diseases. <i>BioMed Research International</i> , 2014, 2014, 1-3.	1.9	0
88	Gene polymorphisms as susceptibility factors in Brazilian asthmatic children and adolescents. <i>World Allergy Organization Journal</i> , 2015, 8, A235.	3.5	0