

Carlo Em Pucillo

List of Publications by Year in descending order

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105
papers

5,279
citations

87888

38
h-index

88630

70
g-index

107
all docs

107
docs citations

107
times ranked

8509
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative analysis of B7-1 and B7-2 costimulatory ligands: expression and function.. Journal of Experimental Medicine, 1994, 180, 631-640.	8.5	649
2	Guidelines for the use of flow cytometry and cell sorting in immunological studies[*]. European Journal of Immunology, 2017, 47, 1584-1797.	2.9	505
3	CD4+CD25+ Regulatory T Cells Suppress Mast Cell Degranulation and Allergic Responses through OX40-OX40L Interaction. Immunity, 2008, 29, 771-781.	14.3	333
4	Mast cells counteract regulatory T-cell suppression through interleukin-6 and OX40/OX40L axis toward Th17-cell differentiation. Blood, 2009, 114, 2639-2648.	1.4	184
5	Gamma-delta T-cell lymphomas. Nature Reviews Clinical Oncology, 2009, 6, 707-717.	27.6	152
6	Mast cell activation: A complex interplay of positive and negative signaling pathways. European Journal of Immunology, 2014, 44, 2558-2566.	2.9	122
7	Mast Cell: An Emerging Partner in Immune Interaction. Frontiers in Immunology, 2012, 3, 120.	4.8	114
8	Mast cells enhance proliferation of B lymphocytes and drive their differentiation toward IgA-secreting plasma cells. Blood, 2010, 115, 2810-2817.	1.4	113
9	A mast cell-IILC2-Th9 pathway promotes lung inflammation in cystic fibrosis. Nature Communications, 2017, 8, 14017.	12.8	110
10	Studies with a monoclonal antibody to the \hat{I}^2 subunit of the receptor with high affinity for immunoglobulin E. Molecular Immunology, 1988, 25, 647-661.	2.2	101
11	An environment to nucleus' signaling system operates in B lymphocytes: redox status modulates BSAP/Pax-5 activation through Ref-1 nuclear translocation. Nucleic Acids Research, 2000, 28, 1099-1105.	14.5	97
12	Redox Potential Controls the Structure and DNA Binding Activity of the Paired Domain. Journal of Biological Chemistry, 1998, 273, 25062-25072.	3.4	95
13	Expansion of plasmablasts and loss of memory B cells in peripheral blood from COVID-19 patients with pneumonia. European Journal of Immunology, 2020, 50, 1283-1294.	2.9	95
14	H2O2 induces translocation of APE/Ref-1 to mitochondria in the Raji B-cell line. Journal of Cellular Physiology, 2002, 193, 180-186.	4.1	94
15	Ref-1 Controls Pax-8 DNA-Binding Activity. Biochemical and Biophysical Research Communications, 1998, 252, 178-183.	2.1	85
16	Oxidative stress stimulates IL-4 and IL-6 production in mast cells by an APE/Ref-1-dependent pathway. European Journal of Immunology, 2003, 33, 2168-2177.	2.9	85
17	Oxidative microenvironment exerts an opposite regulatory effect on cytokine production by Th1 and Th2 cells. Molecular Immunology, 2008, 45, 58-64.	2.2	84
18	The Controlling Roles of Trp60 and Trp95 in \hat{I}^2 -Microglobulin Function, Folding and Amyloid Aggregation Properties. Journal of Molecular Biology, 2008, 378, 887-897.	4.2	82

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19	Mast Cells and Th17 Cells Contribute to the Lymphoma-Associated Pro-Inflammatory Microenvironment of Angioimmunoblastic T-Cell Lymphoma. <i>American Journal of Pathology</i> , 2010, 177, 792-802.	3.8	82
20	Mast cells are critically involved in serum-mediated vascular leakage in chronic urticaria beyond high-affinity IgE receptor stimulation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011, 66, 1538-1545.	5.7	80
21	Is it time for a new classification of mast cells? What do we know about mast cell heterogeneity?. <i>Immunological Reviews</i> , 2018, 282, 35-46.	6.0	77
22	Mitochondrial localization of APE/Ref-1 in thyroid cells. <i>Mutation Research DNA Repair</i> , 2001, 485, 143-152.	3.7	75
23	Selective Activation of Fyn/PI3K and p38 MAPK Regulates IL-4 Production in BMMC under Nontoxic Stress Condition. <i>Journal of Immunology</i> , 2007, 178, 2549-2555.	0.8	75
24	The mast cell: an antenna of the microenvironment that directs the immune response. <i>Journal of Leukocyte Biology</i> , 2004, 75, 579-585.	3.3	74
25	Regulatory B cells: Evidence, developmental origin and population diversity. <i>Molecular Immunology</i> , 2010, 48, 1-8.	2.2	70
26	The Aryl Hydrocarbon Receptor Modulates Acute and Late Mast Cell Responses. <i>Journal of Immunology</i> , 2012, 189, 120-127.	0.8	70
27	Rheostatic Functions of Mast Cells in the Control of Innate and Adaptive Immune Responses. <i>Trends in Immunology</i> , 2017, 38, 648-656.	6.8	66
28	Mast cells, basophils and eosinophils: From allergy to cancer. <i>Seminars in Immunology</i> , 2018, 35, 29-34.	5.6	66
29	Exploring a regulatory role for mast cells: α -M β Cregs β ™?. <i>Trends in Immunology</i> , 2010, 31, 97-102.	6.8	62
30	The Role of Mast Cells in Molding the Tumor Microenvironment. <i>Cancer Microenvironment</i> , 2015, 8, 167-176.	3.1	62
31	TSH controls Ref-1 nuclear translocation in thyroid cells. <i>Journal of Molecular Endocrinology</i> , 2000, 24, 383-390.	2.5	59
32	Mast Cells Boost Myeloid-Derived Suppressor Cell Activity and Contribute to the Development of Tumor-Favoring Microenvironment. <i>Cancer Immunology Research</i> , 2015, 3, 85-95.	3.4	59
33	Analysis of IgVH gene mutations in B β cell chronic lymphocytic leukaemia according to antigen-driven selection identifies subgroups with different prognosis and usage of the canonical somatic hypermutation machinery. <i>British Journal of Haematology</i> , 2004, 126, 29-42.	2.5	54
34	IL-9 and Mast Cells Are Key Players of <i>Candida albicans</i> Commensalism and Pathogenesis in the Gut. <i>Cell Reports</i> , 2018, 23, 1767-1778.	6.4	50
35	The second AT-hook of the architectural transcription factor HMGA2 is determinant for nuclear localization and function. <i>Nucleic Acids Research</i> , 2007, 35, 1751-1760.	14.5	46
36	C7 is expressed on endothelial cells as a trap for the assembling terminal complement complex and may exert anti-inflammatory function. <i>Blood</i> , 2009, 113, 3640-3648.	1.4	44

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37	Cross-Talk between Myeloid-Derived Suppressor Cells and Mast Cells Mediates Tumor-Specific Immunosuppression in Prostate Cancer. <i>Cancer Immunology Research</i> , 2018, 6, 552-565.	3.4	44
38	CD40 Stimulation Induces Pax5/BSAP and EBF Activation through a APE/Ref-1-dependent Redox Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 1777-1786.	3.4	41
39	Mast cells are associated with the onset and progression of celiac disease. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1266-1274.e1.	2.9	39
40	Bone marrow stroma CD40 expression correlates with inflammatory mast cell infiltration and disease progression in splenic marginal zone lymphoma. <i>Blood</i> , 2014, 123, 1836-1849.	1.4	37
41	IL-10 production by B cells is differentially regulated by immune-mediated and infectious stimuli and requires p38 activation. <i>Molecular Immunology</i> , 2014, 62, 266-276.	2.2	35
42	Cross-linking of HLA class II antigens modulates the release of tumor necrosis factor-alpha by the EBV-B lymphoblastoid cell line JY. <i>Journal of Immunology</i> , 1993, 151, 5115-22.	0.8	35
43	Structural and functional properties of the N transcriptional activation domain of thyroid transcription factor-1: similarities with the acidic activation domains. <i>Biochemical Journal</i> , 1998, 329, 395-403.	3.7	34
44	Mast Cells Control the Expansion and Differentiation of IL-10-Competent B Cells. <i>Journal of Immunology</i> , 2014, 193, 4568-4579.	0.8	33
45	Integrating innate and adaptive immune cells: Mast cells as crossroads between regulatory and effector B and T cells. <i>European Journal of Pharmacology</i> , 2016, 778, 84-89.	3.5	33
46	Expression of a MHC class II transgene determines both superantigenicity and susceptibility to mammary tumor virus infection.. <i>Journal of Experimental Medicine</i> , 1993, 178, 1441-1445.	8.5	31
47	Inhibition of APE1-endonuclease activity affects cell metabolism in colon cancer cells via a p53-dependent pathway. <i>DNA Repair</i> , 2019, 82, 102675.	2.8	31
48	Signature of B-CLL with different prognosis by Shrunken centroids of surface antigen expression profiling. <i>Journal of Cellular Physiology</i> , 2005, 204, 113-123.	4.1	30
49	Single-cell dynamics of mast cell-CD4 ⁺ CD25 ⁺ regulatory T cell interactions. <i>European Journal of Immunology</i> , 2011, 41, 1872-1882.	2.9	29
50	Selected recent advances in understanding the role of human mast cells in health and disease. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1833-1844.	2.9	26
51	Mast cell/MDSC a liaison immunosuppressive for tumor microenvironment. <i>Oncolmmunology</i> , 2015, 4, e1001232.	4.6	25
52	Oxidative Activity of Ammonium Persulfate Salt on Mast Cells and Basophils: Implication in Hairdressers' Asthma. <i>International Archives of Allergy and Immunology</i> , 2013, 160, 409-419.	2.1	24
53	Modulation of FcµRI-dependent mast cell response by OX40L via Fyn, PI3K, and RhoA. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 751-760.e2.	2.9	23
54	Triggering of Target of an Antiproliferative Antibody (TAPA-1/CD81) Up-regulates the Release of Tumour Necrosis Factor-α by the EBV-B Lymphoblastoid Cell Line JY. <i>Scandinavian Journal of Immunology</i> , 1996, 43, 361-373.	2.7	21

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55	Mast Cells Respond to <i>Candida albicans</i> Infections and Modulate Macrophages Phagocytosis of the Fungus. <i>Frontiers in Immunology</i> , 2018, 9, 2829.	4.8	21
56	Fibronectin Binding Promotes a PKC-Dependent Modulation of NF- κ B in Human T Cells. <i>Biochemical and Biophysical Research Communications</i> , 1998, 243, 732-737.	2.1	20
57	The overlooked 'nonclassical' functions of major histocompatibility complex (MHC) class II antigens in immune and nonimmune cells. <i>Journal of Cellular Physiology</i> , 1999, 179, 251-256.	4.1	19
58	Mast cells contribute to autoimmune diabetes by releasing interleukin-6 and failing to acquire a tolerogenic IL-10+ phenotype. <i>Clinical Immunology</i> , 2017, 178, 29-38.	3.2	19
59	IL-10-producing B cells are characterized by a specific methylation signature. <i>European Journal of Immunology</i> , 2019, 49, 1213-1225.	2.9	19
60	Functional interference between contacting amino acids of homeodomains. <i>FEBS Letters</i> , 1997, 407, 320-324.	2.8	18
61	Definition of the DNA-Binding Specificity of TTF-1 Homeodomain by Chromatographic Selection of Binding Sequences. <i>Biochemical and Biophysical Research Communications</i> , 1995, 213, 781-788.	2.1	17
62	Surface-antigen expression profiling (SEP) in B-cell chronic lymphocytic leukemia (B-CLL): Identification of markers with prognostic relevance. <i>Journal of Immunological Methods</i> , 2005, 305, 20-32.	1.4	17
63	Outside inside signalling in CD40-mediated B cell activation. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2007, 21, 49-62.	0.7	17
64	Endonuclease and redox activities of human apurinic/apyrimidinic endonuclease 1 have distinctive and essential functions in IgA class switch recombination. <i>Journal of Biological Chemistry</i> , 2019, 294, 5198-5207.	3.4	16
65	Adhesion to fibronectin promotes the activation of the p125FAK /Zap-70 complex in human T cells. <i>Immunology</i> , 1999, 98, 564-568.	4.4	14
66	Allergic responses and aryl hydrocarbon receptor novel pathway of mast cell activation. <i>Molecular Immunology</i> , 2015, 63, 69-73.	2.2	13
67	Interactions of promonocytic U937 cells with proteins of the extracellular matrix. <i>Immunology</i> , 1993, 80, 248-52.	4.4	13
68	TRAF2 and p38 are involved in B cells CD40-mediated APE/Ref-1 nuclear translocation: A novel pathway in B cell activation. <i>Molecular Immunology</i> , 2008, 45, 76-86.	2.2	12
69	Technical Advance: Soluble OX40 molecule mimics regulatory T cell modulatory activity on Fc ϵ RI-dependent mast cell degranulation. <i>Journal of Leukocyte Biology</i> , 2011, 90, 831-838.	3.3	12
70	High-performance metabolic marker assessment in breast cancer tissue by mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 317-24.	2.3	12
71	APE/Ref-1 makes fine-tuning of CD40-induced B cell proliferation. <i>Molecular Immunology</i> , 2008, 45, 3731-3739.	2.2	11
72	Exosomes: Tiny Clues for Mast Cell Communication. <i>Frontiers in Immunology</i> , 2015, 6, 73.	4.8	11

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73	Increase in Therapeutic Index of Doxorubicin and Vinblastine by Aptameric Oligonucleotide in Human T Lymphoblastic Drug-Sensitive and Multidrug-Resistant Cells. <i>Oligonucleotides</i> , 2002, 12, 247-255.	4.3	10
74	Mutational Status of IgVH Genes Consistent with Antigen-Driven Selection but Not Percent of Mutations Has Prognostic Impact in B-Cell Chronic Lymphocytic Leukemia. <i>Clinical Lymphoma and Myeloma</i> , 2004, 5, 123-126.	2.1	9
75	Determination of protein phosphorylation sites by mass spectrometry: a novel electrospray-based method. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3343-3348.	1.5	9
76	Co-Occurrence of Chronic Spontaneous Urticaria with Immunoglobulin A Deficiency and Autoimmune Diseases. <i>International Archives of Allergy and Immunology</i> , 2016, 169, 130-134.	2.1	9
77	Analysis of thymic subpopulations expressing the activation antigen GL7. Expression, genetics, and function. <i>Journal of Immunology</i> , 1995, 155, 4575-81.	0.8	9
78	The <i>Vibrio cholerae</i> cytotoxin promotes activation of mast cell (T helper 2) cytokine production. <i>Cellular Microbiology</i> , 2008, 10, 899-907.	2.1	8
79	Reciprocal influence of B cells and tumor macro and microenvironments in the <i>Apc^{Min/+}</i> model of colorectal cancer. <i>OncImmunology</i> , 2017, 6, e1336593.	4.6	8
80	Message in a bottle from the tumor microenvironment: tumor-educated DCs instruct B cells to participate in immunosuppression. <i>Cellular and Molecular Immunology</i> , 2017, 14, 730-732.	10.5	8
81	What we know (and don't know) about the biology and functions of mast cells and basophils. <i>Immunological Reviews</i> , 2018, 282, 5-7.	6.0	8
82	In the TTF-1 homeodomain the contribution of several amino acids to DNA recognition depends on the bound sequence. <i>Nucleic Acids Research</i> , 1996, 24, 3283-3288.	14.5	7
83	Structural defects of a Pax8 mutant that give rise to congenital hypothyroidism. <i>Biochemical Journal</i> , 1999, 341, 89.	3.7	7
84	Targeting of HLA-DR molecules transduces agonistic functional signals in cutaneous melanoma. <i>Journal of Cellular Physiology</i> , 2004, 200, 272-276.	4.1	7
85	Frontline Science: Mast cells regulate neutrophil homeostasis by influencing macrophage clearance activity. <i>Journal of Leukocyte Biology</i> , 2019, 105, 633-644.	3.3	7
86	Mast cells crosstalk with B cells in the gut and sustain IgA response in the inflamed intestine. <i>European Journal of Immunology</i> , 2021, 51, 445-458.	2.9	7
87	Repurposing of the Antiepileptic Drug Levetiracetam to Restrain Neuroendocrine Prostate Cancer and Inhibit Mast Cell Support to Adenocarcinoma. <i>Frontiers in Immunology</i> , 2021, 12, 622001.	4.8	6
88	Comparative stability analysis of the thyroid transcription factor 1 and Antennapedia homeodomains: evidence for residue 54 in controlling the structural stability of the recognition helix. <i>International Journal of Biochemistry and Cell Biology</i> , 1999, 31, 1339-1353.	2.8	5
89	BIPHASIC CONTROL OF NF- κ B ACTIVATION INDUCED BY THE TRIGGERING OF HLA-DR ANTIGENS EXPRESSED ON B CELLS. <i>Cytokine</i> , 1997, 9, 295-299.	3.2	4
90	An Unprecedented Catalytic Motif Revealed in the Model Structure of Amide Hydrolyzing Antibody 312d6. <i>ChemBioChem</i> , 2004, 5, 129-131.	2.6	4

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91	Regulation of the Expression of the Low-Affinity IgE Receptor (Fc μ RII) in the Human Monocyte-Like Cell Line U-937 by Phorbol Esters and IgE. <i>International Archives of Allergy and Immunology</i> , 1990, 93, 330-337.	2.1	3
92	Monoclonal antibody detection of naphthalene dioxygenase from <i>Pseudomonas aeruginosa</i> 2NR. <i>Letters in Applied Microbiology</i> , 2000, 31, 313-318.	2.2	3
93	Deciphering new mechanisms on T α cell costimulation by human mast cells. <i>European Journal of Immunology</i> , 2016, 46, 1105-1108.	2.9	3
94	Crossroads between immune responses and physiological regulation: Metabolic control of resistance versus tolerance against disease. <i>European Journal of Immunology</i> , 2020, 50, 484-489.	2.9	3
95	Expression, Purification and Functional Characterization of a Kunitz-Type Module from Chicken Type VI Collagen. <i>Biochemical and Biophysical Research Communications</i> , 1995, 215, 1050-1055.	2.1	2
96	Modulation of Fc μ RI-Dependent Mast Cell Response by OX40L. <i>Methods in Molecular Biology</i> , 2014, 1155, 23-30.	0.9	2
97	BCR-ABL rearrangement and HLA antigens: a possible link to leukemia pathogenesis and immunotherapy. <i>Revista Brasileira De Hematologia E Hemoterapia</i> , 2012, 34, 323-324.	0.7	2
98	Superantigenic characteristics of mouse mammary tumor viruses play a critical role in susceptibility to infection in mice. <i>Immunologic Research</i> , 1995, 14, 58-68.	2.9	1
99	New roots for IgE-producing B cells. <i>Cellular and Molecular Immunology</i> , 2012, 9, 321-321.	10.5	1
100	The overlooked "nonclassical" functions of major histocompatibility complex (MHC) class II antigens in immune and nonimmune cells. <i>Journal of Cellular Physiology</i> , 1999, 179, 251-256.	4.1	1
101	Error-Prone DNA Polymerases iota and beta Are Over-Expressed in B-CLL Cells: Correlation with Specific IgVH Point-Mutations and Implication for the Pathogenesis of Intraclonal IgVH Diversification.. <i>Blood</i> , 2004, 104, 950-950.	1.4	1
102	Techniques for Monitoring Cell Cycle Phases. , 1996, , 46-52.		1
103	Identification of Eight Surface Molecules with Survival Predictive Power in B Cell Chronic Lymphocytic Leukemia (B-CLL): A Proposal for a Scoring System.. <i>Blood</i> , 2004, 104, 2797-2797.	1.4	0
104	Use of Cocultures for the Study of Cellular Interactions Influencing B Cell Regulatory Functions. <i>Methods in Molecular Biology</i> , 2014, 1190, 163-179.	0.9	0
105	All-trans retinoic acid (ATRA) potentiates the in vitro inhibitory effects of IFN-alpha in parental (32D) and p210-bcr/abl transfected (LG7) murine myeloid cell lines. <i>Haematologica</i> , 1999, 84, 955-7.	3.5	0