

# Laura Santambrogio

## List of Publications by Year in descending order

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108  
papers

16,337  
citations

43973

48  
h-index

30010

103  
g-index

112  
all docs

112  
docs citations

112  
times ranked

29899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017, 36, 1811-1836.	3.5	1,230
4	Microautophagy of Cytosolic Proteins by Late Endosomes. <i>Developmental Cell</i> , 2011, 20, 131-139.	3.1	728
5	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	3.5	615
6	Proteomic Analysis of Microglia-Derived Exosomes: Metabolic Role of the Aminopeptidase CD13 in Neuropeptide Catabolism. <i>Journal of Immunology</i> , 2005, 175, 2237-2243.	0.4	325
7	A Relay Pathway between Arginine and Tryptophan Metabolism Confers Immunosuppressive Properties on Dendritic Cells. <i>Immunity</i> , 2017, 46, 233-244.	6.6	241
8	Molecular analysis of chromium and cobalt-related toxicity. <i>Scientific Reports</i> , 2014, 4, 5729.	1.6	159
9	Mediators of the inflammatory response to joint replacement devices. <i>Nature Reviews Rheumatology</i> , 2011, 7, 600-608.	3.5	151
10	Chaperone-mediated autophagy prevents collapse of the neuronal metastable proteome. <i>Cell</i> , 2021, 184, 2696-2714.e25.	13.5	151
11	Intralymphatic CCL21 Promotes Tissue Egress of Dendritic Cells through Afferent Lymphatic Vessels. <i>Cell Reports</i> , 2016, 14, 1723-1734.	2.9	143
12	Loss of hepatic chaperone-mediated autophagy accelerates proteostasis failure in aging. <i>Aging Cell</i> , 2015, 14, 249-264.	3.0	141
13	Differential gene expression in human, murine, and cell line-derived macrophages upon polarization. <i>Experimental Cell Research</i> , 2016, 347, 1-13.	1.2	131
14	Methamphetamine Inhibits Antigen Processing, Presentation, and Phagocytosis. <i>PLoS Pathogens</i> , 2008, 4, e28.	2.1	122
15	Whole Chromosome Instability induces senescence and promotes SASP. <i>Scientific Reports</i> , 2016, 6, 35218.	1.6	117
16	Radiotherapy-exposed CD8+ and CD4+ neoantigens enhance tumor control. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	111
17	Dopamine receptors on human T- and B-lymphocytes. <i>Journal of Neuroimmunology</i> , 1993, 45, 113-119.	1.1	108
18	Aging-related anatomical and biochemical changes in lymphatic collectors impair lymph transport, fluid homeostasis, and pathogen clearance. <i>Aging Cell</i> , 2015, 14, 582-594.	3.0	106

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19	The scavenger receptor MARCO mediates cytoskeleton rearrangements in dendritic cells and microglia. <i>Blood</i> , 2003, 102, 2940-2947.	0.6	104
20	The lipid kinase PI4KIII $\beta$ preserves lysosomal identity. <i>EMBO Journal</i> , 2012, 32, 324-339.	3.5	104
21	Staphylococcal enterotoxin B and tumor-necrosis factor- $\alpha$ -induced relapses of experimental allergic encephalomyelitis: Protection by transforming growth factor- $\beta$ and interleukin-10. <i>European Journal of Immunology</i> , 1995, 25, 3035-3040.	1.6	103
22	Senescence cell-associated extracellular vesicles serve as osteoarthritis disease and therapeutic markers. <i>JCI Insight</i> , 2019, 4, .	2.3	103
23	Tumor-associated factors are enriched in lymphatic exudate compared to plasma in metastatic melanoma patients. <i>Journal of Experimental Medicine</i> , 2019, 216, 1091-1107.	4.2	102
24	Granulocyte-Macrophage Colony-Stimulating Factor Induces an Expression Program in Neonatal Microglia That Primes Them for Antigen Presentation. <i>Journal of Immunology</i> , 2002, 169, 2264-2273.	0.4	101
25	Use of extracellular vesicles from lymphatic drainage as surrogate markers of melanoma progression and <i>BRAF</i> <i>V600E</i> mutation. <i>Journal of Experimental Medicine</i> , 2019, 216, 1061-1070.	4.2	99
26	Endosomal damage and TLR2 mediated inflammasome activation by alkane particles in the generation of aseptic osteolysis. <i>Molecular Immunology</i> , 2009, 47, 175-184.	1.0	98
27	Modulation of experimental autoimmune encephalomyelitis: effect of altered peptide ligand on chemokine and chemokine receptor expression. <i>Journal of Neuroimmunology</i> , 2000, 110, 195-208.	1.1	93
28	Neuroprotection and Remyelination after Autoimmune Demyelination in Mice that Inducibly Overexpress CXCL1. <i>American Journal of Pathology</i> , 2009, 174, 164-176.	1.9	92
29	Orthopedic wear debris mediated inflammatory osteolysis is mediated in part by NALP3 inflammasome activation. <i>Journal of Orthopaedic Research</i> , 2013, 31, 73-80.	1.2	90
30	Immune Responses to Lentiviral Vectors. <i>Current Gene Therapy</i> , 2007, 7, 306-315.	0.9	87
31	IFN Regulatory Factor-1 Regulates IFN- $\beta$ -Dependent Cathepsin S Expression. <i>Journal of Immunology</i> , 2002, 168, 4488-4494.	0.4	85
32	Lymph formation, composition and circulation: a proteomics perspective. <i>International Immunology</i> , 2015, 27, 219-227.	1.8	83
33	Role of Carbonyl Modifications on Aging-Associated Protein Aggregation. <i>Scientific Reports</i> , 2016, 6, 19311.	1.6	82
34	Patterns of expression of factor VIII and von Willebrand factor by endothelial cell subsets in vivo. <i>Blood</i> , 2016, 128, 104-109.	0.6	81
35	Pancreatic islets communicate with lymphoid tissues via exocytosis of insulin peptides. <i>Nature</i> , 2018, 560, 107-111.	13.7	81
36	Age-Related Oxidative Stress Compromises Endosomal Proteostasis. <i>Cell Reports</i> , 2012, 2, 136-149.	2.9	77

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37	Radiotherapy as a tool to elicit clinically actionable signalling pathways in cancer. <i>Nature Reviews Clinical Oncology</i> , 2022, 19, 114-131.	12.5	76
38	Anthrax Lethal Toxin Triggers the Formation of a Membrane-Associated Inflammasome Complex in Murine Macrophages. <i>Infection and Immunity</i> , 2009, 77, 1262-1271.	1.0	75
39	RANTES-Induced Chemokine Cascade in Dendritic Cells. <i>Journal of Immunology</i> , 2001, 167, 1637-1643.	0.4	71
40	The Antigen Processing and Presentation Machinery in Lymphatic Endothelial Cells. <i>Frontiers in Immunology</i> , 2019, 10, 1033.	2.2	70
41	Involvement of caspase-cleaved and intact adaptor protein 1 complex in endosomal remodeling in maturing dendritic cells. <i>Nature Immunology</i> , 2005, 6, 1020-1028.	7.0	68
42	The lymph as a pool of self-antigens. <i>Trends in Immunology</i> , 2011, 32, 6-11.	2.9	66
43	Chasing the elusive mammalian microautophagy. <i>Autophagy</i> , 2011, 7, 652-654.	4.3	66
44	Protein expression profiles of human lymph and plasma mapped by 2D-DIGE and 1D SDS-PAGE coupled with nanoESI-MS/MS bottom-up proteomics. <i>Journal of Proteomics</i> , 2013, 78, 172-187.	1.2	59
45	Positive allosteric modulation of indoleamine 2,3-dioxygenase 1 restrains neuroinflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3848-3857.	3.3	58
46	Short Communication: Methamphetamine Treatment Increases <i>in Vitro</i> and <i>in Vivo</i> HIV Replication. <i>AIDS Research and Human Retroviruses</i> , 2009, 25, 1117-1121.	0.5	56
47	MHC class II compartment subtypes: structure and function. <i>Current Opinion in Immunology</i> , 2006, 18, 64-69.	2.4	55
48	An Expanded Self-Antigen Peptidome Is Carried by the Human Lymph As Compared to the Plasma. <i>PLoS ONE</i> , 2010, 5, e9863.	1.1	55
49	The Dendritic Cell Major Histocompatibility Complex II (MHC II) Peptidome Derives from a Variety of Processing Pathways and Includes Peptides with a Broad Spectrum of HLA-DM Sensitivity. <i>Journal of Biological Chemistry</i> , 2016, 291, 5576-5595.	1.6	54
50	Structural and Biological Interaction of hsc-70 Protein with Phosphatidylserine in Endosomal Microautophagy. <i>Journal of Biological Chemistry</i> , 2016, 291, 18096-18106.	1.6	52
51	Age-Related Carbonylation of Fibrocartilage Structural Proteins Drives Tissue Degenerative Modification. <i>Chemistry and Biology</i> , 2013, 20, 922-934.	6.2	50
52	Immunogenicity of Modified Alkane Polymers Is Mediated through TLR1/2 Activation. <i>PLoS ONE</i> , 2008, 3, e2438.	1.1	49
53	Monoclonal Antibodies Specific for the Empty Conformation of HLA-DR1 Reveal Aspects of the Conformational Change Associated with Peptide Binding. <i>Journal of Biological Chemistry</i> , 2004, 279, 16561-16570.	1.6	47
54	The Tick Protein Sialostatin L2 Binds to Annexin A2 and Inhibits NLRC4-Mediated Inflammasome Activation. <i>Infection and Immunity</i> , 2016, 84, 1796-1805.	1.0	47

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55	Ligand Exchange of Major Histocompatibility Complex Class II Proteins Is Triggered by H-bond Donor Groups of Small Molecules. <i>Journal of Biological Chemistry</i> , 2002, 277, 2709-2715.	1.6	45
56	Caspases and nitric oxide broadly regulate dendritic cell maturation and surface expression of class II MHC proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17783-17788.	3.3	45
57	Amelioration of proteolipid protein 139-151-induced encephalomyelitis in SJL mice by modified amino acid copolymers and their mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11743-11748.	3.3	44
58	Consequences of metabolic and oxidative modifications of cartilage tissue. <i>Nature Reviews Rheumatology</i> , 2015, 11, 521-529.	3.5	44
59	Annexin A2 promotes phagophore assembly by enhancing Atg16L+ vesicle biogenesis and homotypic fusion. <i>Nature Communications</i> , 2015, 6, 5856.	5.8	43
60	Conformational Variation of Surface Class II MHC Proteins during Myeloid Dendritic Cell Differentiation Accompanies Structural Changes in Lysosomal MHC. <i>Journal of Immunology</i> , 2005, 175, 4935-4947.	0.4	42
61	Induction and Suppression of an Autoimmune Disease by Oligomerized T Cell Epitopes. <i>Journal of Experimental Medicine</i> , 2000, 191, 717-730.	4.2	41
62	Modified amino acid copolymers suppress myelin basic protein 85-99-induced encephalomyelitis in humanized mice through different effects on T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11749-11754.	3.3	40
63	CD4-Specific Transgenic Expression of Human Cyclin T1 Markedly Increases Human Immunodeficiency Virus Type 1 (HIV-1) Production by CD4 + T Lymphocytes and Myeloid Cells in Mice Transgenic for a Provirus Encoding a Monocyte-Tropic HIV-1 Isolate. <i>Journal of Virology</i> , 2006, 80, 1850-1862.	1.5	38
64	GM-CSF in the absence of other cytokines sustains human dendritic cell precursors with T cell regulatory activity and capacity to differentiate into functional dendritic cells. <i>Immunology Letters</i> , 2008, 116, 41-54.	1.1	38
65	Altered peptide ligand modulation of experimental allergic encephalomyelitis: immune responses within the CNS. <i>Journal of Neuroimmunology</i> , 1998, 81, 1-13.	1.1	37
66	The Lymph Self-Antigen Repertoire. <i>Frontiers in Immunology</i> , 2013, 4, 424.	2.2	37
67	Dendritic Cell-Mediated In Vivo Bone Resorption. <i>Journal of Immunology</i> , 2010, 185, 1485-1491.	0.4	35
68	Quantitative Profiling of the Lymph Node Clearance Capacity. <i>Scientific Reports</i> , 2018, 8, 11253.	1.6	35
69	A Monoclonal Antibody to <i>Histoplasma capsulatum</i> Alters the Intracellular Fate of the Fungus in Murine Macrophages. <i>Eukaryotic Cell</i> , 2008, 7, 1109-1117.	3.4	34
70	Optimizing Dynamic Interactions between a Cardiac Patch and Inflammatory Host Cells. <i>Cells Tissues Organs</i> , 2012, 195, 171-182.	1.3	34
71	The melting pot of the MHC II peptidome. <i>Current Opinion in Immunology</i> , 2016, 40, 70-77.	2.4	33
72	Molecular Interaction and Enzymatic Activity of Macrophage Migration Inhibitory Factor with Immunorelevant Peptides. <i>Journal of Biological Chemistry</i> , 2003, 278, 30889-30895.	1.6	32

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73	Kupffer Cell Transplantation in Mice for Elucidating Monocyte/Macrophage Biology and for Potential in Cell or Gene Therapy. <i>American Journal of Pathology</i> , 2016, 186, 539-551.	1.9	30
74	In vivo T1 mapping for quantifying glymphatic system transport and cervical lymph node drainage. <i>Scientific Reports</i> , 2020, 10, 14592.	1.6	30
75	Pleiotropic consequences of metabolic stress for the major histocompatibility complex class II molecule antigen processing and presentation machinery. <i>Immunity</i> , 2021, 54, 721-736.e10.	6.6	30
76	3-hydroxy-L-kynurenamine is an immunomodulatory biogenic amine. <i>Nature Communications</i> , 2021, 12, 4447.	5.8	30
77	Message in a vesicle – trans-kingdom intercommunication at the vector–host interface. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	27
78	Tick extracellular vesicles enable arthropod feeding and promote distinct outcomes of bacterial infection. <i>Nature Communications</i> , 2021, 12, 3696.	5.8	27
79	Class IA PI3Ks regulate subcellular and functional dynamics of IDO1. <i>EMBO Reports</i> , 2020, 21, e49756.	2.0	24
80	Novel synthetic amino acid copolymers that inhibit autoantigen-specific T cell responses and suppress experimental autoimmune encephalomyelitis. <i>Journal of Clinical Investigation</i> , 2002, 109, 1635-1643.	3.9	23
81	Autoimmune response to transthyretin in juvenile idiopathic arthritis. <i>JCI Insight</i> , 2016, 1, .	2.3	22
82	NLRP10 Enhances CD4+ T-Cell-Mediated IFN $\gamma$ Response via Regulation of Dendritic Cell-Derived IL-12 Release. <i>Frontiers in Immunology</i> , 2017, 8, 1462.	2.2	21
83	The Lymphatic Fluid. <i>International Review of Cell and Molecular Biology</i> , 2018, 337, 111-133.	1.6	21
84	Parabiosis Incompletely Reverses Aging-Induced Metabolic Changes and Oxidant Stress in Mouse Red Blood Cells. <i>Nutrients</i> , 2019, 11, 1337.	1.7	21
85	Lymphatic Cannulation for Lymph Sampling and Molecular Delivery. <i>Journal of Immunology</i> , 2019, 203, 2339-2350.	0.4	18
86	The negative effect of lipid challenge on autophagy inhibits T cell responses. <i>Autophagy</i> , 2020, 16, 223-238.	4.3	18
87	Copolymer effects on microglia and T $\beta$ cells in the central nervous system of humanized mice. <i>European Journal of Immunology</i> , 2005, 35, 3683-3693.	1.6	17
88	Functional analysis of monocyte MHC class II compartments. <i>FASEB Journal</i> , 2009, 23, 164-171.	0.2	15
89	The Ins and Outs of MHC Class II Proteins in Dendritic Cells. <i>Immunity</i> , 2006, 25, 857-859.	6.6	14
90	Molecular Determinants Regulating the Plasticity of the MHC Class II Immunopeptidome. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	13

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91	Contribution of the plasma and lymph Degradome and Peptidome to the MHC Ligandome. Immunogenetics, 2019, 71, 203-216.	1.2	12
92	Leucocytes and Free Radicals in Stable Angina Pectoris.. International Heart Journal, 1992, 33, 145-157.	0.6	12
93	Disruption of Multivesicular Body Vesicles Does Not Affect Major Histocompatibility Complex (MHC) Class II-Peptide Complex Formation and Antigen Presentation by Dendritic Cells*. Journal of Biological Chemistry, 2013, 288, 24286-24292.	1.6	11
94	Distinguishing Signal From Noise in Immuno-peptidome Studies of Limiting-Abundance Biological Samples: Peptides Presented by I-Ab in C57BL/6 Mouse Thymus. Frontiers in Immunology, 2021, 12, 658601.	2.2	11
95	Lymphatic remodelling in response to lymphatic injury in the hind limbs of sheep. Nature Biomedical Engineering, 2020, 4, 649-661.	11.6	9
96	Hydrodynamic size-based separation and characterization of protein aggregates from total cell lysates. Nature Protocols, 2015, 10, 134-148.	5.5	8
97	A mutation within the transmembrane domain of melanosomal protein Silver (Pmel17) changes luminal fragment interactions. European Journal of Cell Biology, 2009, 88, 653-667.	1.6	7
98	Carrying Yourself: Self Antigen Composition of the Lymphatic Fluid. Lymphatic Research and Biology, 2013, 11, 149-154.	0.5	7
99	Lung lymphatic thrombosis and dysfunction caused by cigarette smoke exposure precedes emphysema in mice. Scientific Reports, 2022, 12, 5012.	1.6	7
100	In vitro model reveals a role for mechanical stretch in the remodeling response of lymphatic muscle cells. Microcirculation, 2019, 26, e12512.	1.0	5
101	The benefit of self-control. Immunology and Cell Biology, 2010, 88, 513-514.	1.0	2
102	A protocol for qualitative and quantitative measurement of endosomal processing using hot spot analysis. STAR Protocols, 2021, 2, 100648.	0.5	1
103	Advances in understanding and examining lymphatic function: relevance for understanding autoimmunity. Current Opinion in Rheumatology, 2022, 34, 133-138.	2.0	1
104	Abstract PO-051: Radiation therapy enhances the presentation of phosphopeptides by MHC-I on cancer cells. , 2021, , .		0
105	Self "peptidomic repertoire of the human pre-nodal lymph. FASEB Journal, 2009, 23, 857.1.	0.2	0
106	Characterization of new peptide epitopes derived from human collagen I and II processing by metalloproteases associated with human dendritic cells. FASEB Journal, 2010, 24, .	0.2	0
107	An expanded self-antigen peptidome and proteome is carried by the human lymph as compared to the plasma. FASEB Journal, 2012, 26, 978.10.	0.2	0
108	Ursula Grohmann, PhD: In Memoriam (1961-2022). Cancer Immunology Research, 0, , OF1-OF1.	1.6	0