

# Laura Santambrogio

## List of Publications by Year in descending order

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Version: 2024-02-01

108  
papers

16,337  
citations

44042

48  
h-index

30058

103  
g-index

112  
all docs

112  
docs citations

112  
times ranked

29899  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Lung lymphatic thrombosis and dysfunction caused by cigarette smoke exposure precedes emphysema in mice. <i>Scientific Reports</i> , 2022, 12, 5012.	1.6	7
3	Advances in understanding and examining lymphatic function: relevance for understanding autoimmunity. <i>Current Opinion in Rheumatology</i> , 2022, 34, 133-138.	2.0	1
4	Molecular Determinants Regulating the Plasticity of the MHC Class II Immunopeptidome. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	13
5	Radiotherapy-exposed CD8+ and CD4+ neoantigens enhance tumor control. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	111
6	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
7	Distinguishing Signal From Noise in Immunopeptidome Studies of Limiting-Abundance Biological Samples: Peptides Presented by I-Ab in C57BL/6 Mouse Thymus. <i>Frontiers in Immunology</i> , 2021, 12, 658601.	2.2	11
8	Abstract PO-051: Radiation therapy enhances the presentation of phosphopeptides by MHC-I on cancer cells. , 2021, , .		0
9	Chaperone-mediated autophagy prevents collapse of the neuronal metastable proteome. <i>Cell</i> , 2021, 184, 2696-2714.e25.	13.5	151
10	Tick extracellular vesicles enable arthropod feeding and promote distinct outcomes of bacterial infection. <i>Nature Communications</i> , 2021, 12, 3696.	5.8	27
11	3-hydroxy-L-tryptophan is an immunomodulatory biogenic amine. <i>Nature Communications</i> , 2021, 12, 4447.	5.8	30
12	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	3.5	615
13	A protocol for qualitative and quantitative measurement of endosomal processing using hot spot analysis. <i>STAR Protocols</i> , 2021, 2, 100648.	0.5	1
14	The negative effect of lipid challenge on autophagy inhibits T cell responses. <i>Autophagy</i> , 2020, 16, 223-238.	4.3	18
15	Lymphatic remodelling in response to lymphatic injury in the hind limbs of sheep. <i>Nature Biomedical Engineering</i> , 2020, 4, 649-661.	11.6	9
16	In vivo T1 mapping for quantifying glymphatic system transport and cervical lymph node drainage. <i>Scientific Reports</i> , 2020, 10, 14592.	1.6	30
17	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
18	Class IA PI3Ks regulate subcellular and functional dynamics of IDO1. <i>EMBO Reports</i> , 2020, 21, e49756.	2.0	24

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19	Lymphatic Cannulation for Lymph Sampling and Molecular Delivery. <i>Journal of Immunology</i> , 2019, 203, 2339-2350.	0.4	18
20	Parabiosis Incompletely Reverses Aging-Induced Metabolic Changes and Oxidant Stress in Mouse Red Blood Cells. <i>Nutrients</i> , 2019, 11, 1337.	1.7	21
21	The Antigen Processing and Presentation Machinery in Lymphatic Endothelial Cells. <i>Frontiers in Immunology</i> , 2019, 10, 1033.	2.2	70
22	Message in a vesicle – trans-kingdom intercommunication at the vector–host interface. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	27
23	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
24	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
25	Contribution of the plasma and lymph Degradome and Peptidome to the MHC Ligandome. <i>Immunogenetics</i> , 2019, 71, 203-216.	1.2	12
26	In vitro model reveals a role for mechanical stretch in the remodeling response of lymphatic muscle cells. <i>Microcirculation</i> , 2019, 26, e12512.	1.0	5
27	Senescence cell-associated extracellular vesicles serve as osteoarthritis disease and therapeutic markers. <i>JCI Insight</i> , 2019, 4, .	2.3	103
28	Quantitative Profiling of the Lymph Node Clearance Capacity. <i>Scientific Reports</i> , 2018, 8, 11253.	1.6	35
29	Pancreatic islets communicate with lymphoid tissues via exocytosis of insulin peptides. <i>Nature</i> , 2018, 560, 107-111.	13.7	81
30	The Lymphatic Fluid. <i>International Review of Cell and Molecular Biology</i> , 2018, 337, 111-133.	1.6	21
31	A Relay Pathway between Arginine and Tryptophan Metabolism Confers Immunosuppressive Properties on Dendritic Cells. <i>Immunity</i> , 2017, 46, 233-244.	6.6	241
32	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017, 36, 1811-1836.	3.5	1,230
33	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
34	Autoimmune response to transthyretin in juvenile idiopathic arthritis. <i>JCI Insight</i> , 2016, 1, .	2.3	22
35	Role of Carbonyl Modifications on Aging-Associated Protein Aggregation. <i>Scientific Reports</i> , 2016, 6, 19311.	1.6	82
36	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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37	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
38	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
39	Whole Chromosome Instability induces senescence and promotes SASP. <i>Scientific Reports</i> , 2016, 6, 35218.	1.6	117
40	Intralymphatic CCL21 Promotes Tissue Egress of Dendritic Cells through Afferent Lymphatic Vessels. <i>Cell Reports</i> , 2016, 14, 1723-1734.	2.9	143
41	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
42	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
43	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
44	The melting pot of the MHC II peptidome. <i>Current Opinion in Immunology</i> , 2016, 40, 70-77.	2.4	33
45	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
46	Annexin A2 promotes phagophore assembly by enhancing Atg16L+ vesicle biogenesis and homotypic fusion. <i>Nature Communications</i> , 2015, 6, 5856.	5.8	43
47	Consequences of metabolic and oxidative modifications of cartilage tissue. <i>Nature Reviews Rheumatology</i> , 2015, 11, 521-529.	3.5	44
48	Lymph formation, composition and circulation: a proteomics perspective. <i>International Immunology</i> , 2015, 27, 219-227.	1.8	83
49	Loss of hepatic chaperone-mediated autophagy accelerates proteostasis failure in aging. <i>Aging Cell</i> , 2015, 14, 249-264.	3.0	141
50	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
51	Hydrodynamic size-based separation and characterization of protein aggregates from total cell lysates. <i>Nature Protocols</i> , 2015, 10, 134-148.	5.5	8
52	Molecular analysis of chromium and cobalt-related toxicity. <i>Scientific Reports</i> , 2014, 4, 5729.	1.6	159
53	Protein expression profiles of human lymph and plasma mapped by 2D-DIGE and 1D SDS-PAGE coupled with nanoLC-ESI-MS/MS bottom-up proteomics. <i>Journal of Proteomics</i> , 2013, 78, 172-187.	1.2	59
54	Age-Related Carbonylation of Fibrocartilage Structural Proteins Drives Tissue Degenerative Modification. <i>Chemistry and Biology</i> , 2013, 20, 922-934.	6.2	50

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55	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
56	The Lymph Self-Antigen Repertoire. <i>Frontiers in Immunology</i> , 2013, 4, 424.	2.2	37
57	Disruption of Multivesicular Body Vesicles Does Not Affect Major Histocompatibility Complex (MHC) Class II-Peptide Complex Formation and Antigen Presentation by Dendritic Cells*. <i>Journal of Biological Chemistry</i> , 2013, 288, 24286-24292.	1.6	11
58	Carrying Yourself: Self Antigen Composition of the Lymphatic Fluid. <i>Lymphatic Research and Biology</i> , 2013, 11, 149-154.	0.5	7
59	The lipid kinase PI4KIII $\beta$ preserves lysosomal identity. <i>EMBO Journal</i> , 2012, 32, 324-339.	3.5	104
60	Optimizing Dynamic Interactions between a Cardiac Patch and Inflammatory Host Cells. <i>Cells Tissues Organs</i> , 2012, 195, 171-182.	1.3	34
61	Age-Related Oxidative Stress Compromises Endosomal Proteostasis. <i>Cell Reports</i> , 2012, 2, 136-149.	2.9	77
62	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
63	An expanded self-antigen peptidome and proteome is carried by the human lymph as compared to the plasma. <i>FASEB Journal</i> , 2012, 26, 978.10.	0.2	0
64	Mediators of the inflammatory response to joint replacement devices. <i>Nature Reviews Rheumatology</i> , 2011, 7, 600-608.	3.5	151
65	Microautophagy of Cytosolic Proteins by Late Endosomes. <i>Developmental Cell</i> , 2011, 20, 131-139.	3.1	728
66	The lymph as a pool of self-antigens. <i>Trends in Immunology</i> , 2011, 32, 6-11.	2.9	66
67	Chasing the elusive mammalian microautophagy. <i>Autophagy</i> , 2011, 7, 652-654.	4.3	66
68	The benefit of self-control. <i>Immunology and Cell Biology</i> , 2010, 88, 513-514.	1.0	2
69	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
70	Dendritic Cell-Mediated In Vivo Bone Resorption. <i>Journal of Immunology</i> , 2010, 185, 1485-1491.	0.4	35
71	Characterization of new peptide epitopes derived from human collagen I and II processing by metalloproteases associated with human dendritic cells. <i>FASEB Journal</i> , 2010, 24, .	0.2	0
72	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

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73	Functional analysis of monocyte MHC class II compartments. <i>FASEB Journal</i> , 2009, 23, 164-171.	0.2	15
74	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
75	A mutation within the transmembrane domain of melanosomal protein Silver (Pmel17) changes luminal fragment interactions. <i>European Journal of Cell Biology</i> , 2009, 88, 653-667.	1.6	7
76	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
77	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
78	Self-antigenic repertoire of the human pre-nodal lymph. <i>FASEB Journal</i> , 2009, 23, 857.1.	0.2	0
79	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
80	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
81	Methamphetamine Inhibits Antigen Processing, Presentation, and Phagocytosis. <i>PLoS Pathogens</i> , 2008, 4, e28.	2.1	122
82	Immunogenicity of Modified Alkane Polymers Is Mediated through TLR1/2 Activation. <i>PLoS ONE</i> , 2008, 3, e2438.	1.1	49
83	Immune Responses to Lentiviral Vectors. <i>Current Gene Therapy</i> , 2007, 7, 306-315.	0.9	87
84	The Ins and Outs of MHC Class II Proteins in Dendritic Cells. <i>Immunity</i> , 2006, 25, 857-859.	6.6	14
85	MHC class II compartment subtypes: structure and function. <i>Current Opinion in Immunology</i> , 2006, 18, 64-69.	2.4	55
86	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
87	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
88	Copolymer effects on microglia and T <sub>H</sub> cells in the central nervous system of humanized mice. <i>European Journal of Immunology</i> , 2005, 35, 3683-3693.	1.6	17
89	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
90	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

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91	Amelioration of proteolipid protein 139-151-induced encephalomyelitis in SJL mice by modified amino acid copolymers and their mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11743-11748.	3.3	44
92	Monoclonal Antibodies Specific for the Empty Conformation of HLA-DR1 Reveal Aspects of the Conformational Change Associated with Peptide Binding. Journal of Biological Chemistry, 2004, 279, 16561-16570.	1.6	47
93	Caspases and nitric oxide broadly regulate dendritic cell maturation and surface expression of class II MHC proteins. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17783-17788.	3.3	45
94	Modified amino acid copolymers suppress myelin basic protein 85-99-induced encephalomyelitis in humanized mice through different effects on T cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11749-11754.	3.3	40
95	Molecular Interaction and Enzymatic Activity of Macrophage Migration Inhibitory Factor with Immunorelevant Peptides. Journal of Biological Chemistry, 2003, 278, 30889-30895.	1.6	32
96	The scavenger receptor MARCO mediates cytoskeleton rearrangements in dendritic cells and microglia. Blood, 2003, 102, 2940-2947.	0.6	104
97	Ligand Exchange of Major Histocompatibility Complex Class II Proteins Is Triggered by H-bond Donor Groups of Small Molecules. Journal of Biological Chemistry, 2002, 277, 2709-2715.	1.6	45
98	Granulocyte-Macrophage Colony-Stimulating Factor Induces an Expression Program in Neonatal Microglia That Primes Them for Antigen Presentation. Journal of Immunology, 2002, 169, 2264-2273.	0.4	101
99	IFN Regulatory Factor-1 Regulates IFN- $\beta$ -Dependent Cathepsin S Expression. Journal of Immunology, 2002, 168, 4488-4494.	0.4	85
100	Novel synthetic amino acid copolymers that inhibit autoantigen-specific T cell responses and suppress experimental autoimmune encephalomyelitis. Journal of Clinical Investigation, 2002, 109, 1635-1643.	3.9	23
101	RANTES-Induced Chemokine Cascade in Dendritic Cells. Journal of Immunology, 2001, 167, 1637-1643.	0.4	71
102	Modulation of experimental autoimmune encephalomyelitis: effect of altered peptide ligand on chemokine and chemokine receptor expression. Journal of Neuroimmunology, 2000, 110, 195-208.	1.1	93
103	Induction and Suppression of an Autoimmune Disease by Oligomerized T Cell Epitopes. Journal of Experimental Medicine, 2000, 191, 717-730.	4.2	41
104	Altered peptide ligand modulation of experimental allergic encephalomyelitis: immune responses within the CNS. Journal of Neuroimmunology, 1998, 81, 1-13.	1.1	37
105	Staphylococcal enterotoxin B and tumor-necrosis factor- $\alpha$ -induced relapses of experimental allergic encephalomyelitis: Protection by transforming growth factor- $\beta$ 2 and interleukin-10. European Journal of Immunology, 1995, 25, 3035-3040.	1.6	103
106	Dopamine receptors on human T- and B-lymphocytes. Journal of Neuroimmunology, 1993, 45, 113-119.	1.1	108
107	Leucocytes and Free Radicals in Stable Angina Pectoris.. International Heart Journal, 1992, 33, 145-157.	0.6	12
108	Ursula Grohmann, PhD: In Memoriam (1961-2022). Cancer Immunology Research, 0, , OF1-OF1.	1.6	0