

Jean Davoust

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103 papers	16,137 citations	50 h-index	109 g-index
109 ext. papers	17,112 ext. citations	11.2 avg, IF	5.59 L-index

#	Paper	IF	Citations
103	Immunobiology of dendritic cells. <i>Annual Review of Immunology</i> , 2000 , 18, 767-811	34.7	5321
102	Dynamics and function of Langerhans cells in vivo: dermal dendritic cells colonize lymph node areas distinct from slower migrating Langerhans cells. <i>Immunity</i> , 2005 , 22, 643-54	32.3	769
101	Langerin, a novel C-type lectin specific to Langerhans cells, is an endocytic receptor that induces the formation of Birbeck granules. <i>Immunity</i> , 2000 , 12, 71-81	32.3	757
100	Maturation stages of mouse dendritic cells in growth factor-dependent long-term cultures. <i>Journal of Experimental Medicine</i> , 1997 , 185, 317-28	16.6	717
99	IL-6 switches the differentiation of monocytes from dendritic cells to macrophages. <i>Nature Immunology</i> , 2000 , 1, 510-4	19.1	688
98	ER-phagosome fusion defines an MHC class I cross-presentation compartment in dendritic cells. <i>Nature</i> , 2003 , 425, 397-402	50.4	606
97	In breast carcinoma tissue, immature dendritic cells reside within the tumor, whereas mature dendritic cells are located in peritumoral areas. <i>Journal of Experimental Medicine</i> , 1999 , 190, 1417-26	16.6	459
96	Immunodeficiency in protein kinase cbeta-deficient mice. <i>Science</i> , 1996 , 273, 788-91	33.3	414
95	Flt3-ligand and granulocyte colony-stimulating factor mobilize distinct human dendritic cell subsets in vivo. <i>Journal of Immunology</i> , 2000 , 165, 566-72	5.3	349
94	A novel lysosome-associated membrane glycoprotein, DC-LAMP, induced upon DC maturation, is transiently expressed in MHC class II compartment. <i>Immunity</i> , 1998 , 9, 325-36	32.3	316
93	Cross-priming of naive CD8 T cells against melanoma antigens using dendritic cells loaded with killed allogeneic melanoma cells. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1535-44	16.6	242
92	Differentiation state-dependent surface mobilities of two forms of the neural cell adhesion molecule. <i>Nature</i> , 1986 , 324, 462-5	50.4	237
91	The monoclonal antibody DCGM4 recognizes Langerin, a protein specific of Langerhans cells, and is rapidly internalized from the cell surface. <i>European Journal of Immunology</i> , 1999 , 29, 2695-704	6.1	233
90	Interleukin 15 skews monocyte differentiation into dendritic cells with features of Langerhans cells. <i>Journal of Experimental Medicine</i> , 2001 , 194, 1013-20	16.6	227
89	Accumulation of immature Langerhans cells in human lymph nodes draining chronically inflamed skin. <i>Journal of Experimental Medicine</i> , 2002 , 196, 417-30	16.6	225
88	Programmed cell death in Dictyostelium. <i>Journal of Cell Science</i> , 1994 , 107, 2691-2704	5.3	220
87	Dendritic cells capture killed tumor cells and present their antigens to elicit tumor-specific immune responses. <i>Journal of Immunology</i> , 2000 , 165, 3797-803	5.3	200

86	IRAP identifies an endosomal compartment required for MHC class I cross-presentation. <i>Science</i> , 2009 , 325, 213-7	33.3	188
85	Restricted distribution of connexin40, a gap junctional protein, in mammalian heart. <i>Circulation Research</i> , 1994 , 74, 839-51	15.7	182
84	Apoptotic cell clearance in systemic lupus erythematosus. I. Opsonization by antiphospholipid antibodies. <i>Arthritis and Rheumatism</i> , 1998 , 41, 205-14		179
83	Processing of engulfed apoptotic bodies yields T cell epitopes. <i>Journal of Immunology</i> , 1997 , 159, 5391-9	5.3	173
82	Vaccine activation of the nutrient sensor GCN2 in dendritic cells enhances antigen presentation. <i>Science</i> , 2014 , 343, 313-317	33.3	154
81	Tyrosine-containing motif that transduces cell activation signals also determines internalization and antigen presentation via type III receptors for IgG. <i>Nature</i> , 1992 , 358, 337-41	50.4	150
80	Fringe pattern photobleaching, a new method for the measurement of transport coefficients of biological macromolecules.. <i>EMBO Journal</i> , 1982 , 1, 1233-1238	13	130
79	Low cytoplasmic pH inhibits endocytosis and transport from the trans-Golgi network to the cell surface. <i>Journal of Cell Biology</i> , 1989 , 108, 377-87	7.3	116
78	Cytokinesis arrest and redistribution of actin-cytoskeleton regulatory components in cells expressing the Rho GTPase CDC42Hs. <i>Journal of Cell Science</i> , 1996 , 109, 367-377	5.3	112
77	Optical fluorescence microscopy in three dimensions: microtomoscopy. <i>Journal of Microscopy</i> , 1985 , 138, 29-34	1.9	110
76	High vaccination efficiency of low-affinity epitopes in antitumor immunotherapy. <i>Journal of Clinical Investigation</i> , 2004 , 113, 425-433	15.9	104
75	Role of B cell receptor Ig alpha and Ig beta subunits in MHC class II-restricted antigen presentation. <i>Immunity</i> , 1995 , 3, 335-47	32.3	103
74	Imaging calpain protease activity by multiphoton FRET in living mice. <i>Journal of Molecular Biology</i> , 2005 , 346, 215-22	6.5	98
73	Intracellular routes and selective retention of antigens in mildly acidic cathepsin D/lysosome-associated membrane protein-1/MHC class II-positive vesicles in immature dendritic cells. <i>Journal of Immunology</i> , 1997 , 159, 3707-16	5.3	93
72	Microtubules are stabilized in confluent epithelial cells but not in fibroblasts. <i>Journal of Cell Biology</i> , 1990 , 111, 3003-12	7.3	92
71	Multicolour analysis and local image correlation in confocal microscopy. <i>Journal of Microscopy</i> , 1997 , 185, 21-36	1.9	85
70	Selective accumulation of mature DC-Lamp+ dendritic cells in tumor sites is associated with efficient T-cell-mediated antitumor response and control of metastatic dissemination in melanoma. <i>Cancer Research</i> , 2004 , 64, 2192-8	10.1	85
69	Hyperthermia enhances CTL cross-priming. <i>Journal of Immunology</i> , 2006 , 176, 2134-41	5.3	77

68	Mast cells aggravate sepsis by inhibiting peritoneal macrophage phagocytosis. <i>Journal of Clinical Investigation</i> , 2014 , 124, 4577-89	15.9	76
67	Asymmetric lateral mobility of phospholipids in the human erythrocyte membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986 , 83, 6863-7	11.5	75
66	Boundary lipids and protein mobility in rhodopsin-phosphatidylcholine vesicles. Effect of lipid phase transitions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980 , 596, 28-42	3.8	70
65	Two threshold values of low pH block endocytosis at different stages.. <i>EMBO Journal</i> , 1987 , 6, 3601-3609	3	68
64	HIV-1 gp120 induces an association between CD4 and the chemokine receptor CXCR4. <i>Journal of Immunology</i> , 1997 , 159, 3000-8	5.3	68
63	Structural compartmentalization of MHC class II signaling function. <i>Trends in Immunology</i> , 1993 , 14, 539-46		66
62	Recycling of transferrin receptors in A431 cells is inhibited during mitosis. <i>EMBO Journal</i> , 1984 , 3, 2217-25	2.5	61
61	Mouse B lymphocyte specific endocytosis and recycling of MHC class II molecules.. <i>EMBO Journal</i> , 1990 , 9, 3489-3496	13	58
60	Evidence for protein tyrosine kinase involvement in ligand-induced TCR/CD3 internalization and surface redistribution. <i>Journal of Immunology</i> , 1994 , 153, 63-72	5.3	58
59	The melanocytic protein Melan-A/MART-1 has a subcellular localization distinct from typical melanosomal proteins. <i>Traffic</i> , 2002 , 3, 678-93	5.7	57
58	CD208/dendritic cell-lysosomal associated membrane protein is a marker of normal and transformed type II pneumocytes. <i>American Journal of Pathology</i> , 2004 , 164, 861-71	5.8	56
57	Apical to basolateral surface area ratio and polarity of MDCK cells grown on different supports. <i>Experimental Cell Research</i> , 1992 , 203, 115-27	4.2	56
56	Selective control of membrane ruffling and actin plaque assembly by the Rho GTPases Rac1 and CDC42 in FcepsilonRI-activated rat basophilic leukemia (RBL-2H3) cells. <i>Journal of Cell Science</i> , 1997 , 110, 2215-2225	5.3	52
55	Cytokinesis arrest and redistribution of actin-cytoskeleton regulatory components in cells expressing the Rho GTPase CDC42Hs. <i>Journal of Cell Science</i> , 1996 , 109 (Pt 2), 367-77	5.3	52
54	A signaling role for the cytoplasmic segment of the CD8 alpha chain detected under limiting stimulatory conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 2339-43	11.5	51
53	Trafficking of Shigella lipopolysaccharide in polarized intestinal epithelial cells. <i>Journal of Cell Biology</i> , 1999 , 145, 689-98	7.3	49
52	Evidence and a novel hypothesis for the role of dendritic cells and Porphyromonas gingivalis in adult periodontitis. <i>Journal of Periodontal Research</i> , 1999 , 34, 406-12	4.3	49
51	Actin microfilaments control the MHC class II antigen presentation pathway in B cells. <i>Journal of Cell Science</i> , 1998 , 111, 1791-1800	5.3	49

50	Dendritic cell maturation and antigen presentation in the absence of invariant chain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 1067-72	11.5	48
49	High vaccination efficiency of low-affinity epitopes in antitumor immunotherapy. <i>Journal of Clinical Investigation</i> , 2004 , 113, 425-33	15.9	45
48	Transient immunomodulation allows repeated injections of AAV1 and correction of muscular dystrophy in multiple muscles. <i>Molecular Therapy</i> , 2008 , 16, 541-7	11.7	44
47	Physical modifications of rhodopsin boundary lipids in lecithin-rhodopsin complexes: a spin-label study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1979 , 76, 2755-9	11.5	43
46	CD4+CD25+ regulatory T cells inhibit immune-mediated transgene rejection. <i>Blood</i> , 2003 , 102, 4326-8	2.2	38
45	Fringe pattern photobleaching, a new method for the measurement of transport coefficients of biological macromolecules. <i>EMBO Journal</i> , 1982 , 1, 1233-8	13	38
44	HLA-A*0201-restricted cytolytic responses to the rtTA transactivator dominant and cryptic epitopes compromise transgene expression induced by the tetracycline on system. <i>Molecular Therapy</i> , 2004 , 10, 279-89	11.7	37
43	Tagging the human immunodeficiency virus gag protein with green fluorescent protein. Minimal evidence for colocalisation with actin. <i>Virology</i> , 1999 , 255, 20-5	3.6	35
42	Two threshold values of low pH block endocytosis at different stages. <i>EMBO Journal</i> , 1987 , 6, 3601-9	13	34
41	A tyrosine-based signal present in Ig alpha mediates B cell receptor constitutive internalization. <i>Journal of Immunology</i> , 1998 , 160, 1767-73	5.3	34
40	Selective modulation of the major histocompatibility complex class II antigen presentation pathway following B cell receptor ligation and protein kinase C activation. <i>Journal of Biological Chemistry</i> , 1997 , 272, 3641-7	5.4	31
39	Efficient migration of dendritic cells toward lymph node chemokines and induction of T(H)1 responses require maturation stimulus and apoptotic cell interaction. <i>Blood</i> , 2005 , 106, 1734-41	2.2	30
38	Microtubule organization during the cell cycle of the primitive eukaryote dinoflagellate <i>Cryptothecodinium cohnii</i> . <i>Journal of Cell Science</i> , 1993 , 104, 639-651	5.3	26
37	The invariant chain induces compact forms of class II molecules localized in late endosomal compartments. <i>European Journal of Immunology</i> , 1993 , 23, 3158-66	6.1	25
36	Engagement of B cell receptor regulates the invariant chain-dependent MHC class II presentation pathway. <i>Journal of Immunology</i> , 1999 , 162, 2495-502	5.3	25
35	Major histocompatibility complex class II-restricted presentation of secreted and endoplasmic reticulum resident antigens requires the invariant chains and is sensitive to lysosomotropic agents. <i>European Journal of Immunology</i> , 1993 , 23, 3167-72	6.1	24
34	Collisions between nitrogen-14 and nitrogen-15 spin-labels. 2. Investigations on the specificity of the lipid environment of rhodopsin. <i>Biochemistry</i> , 1983 , 22, 3146-51	3.2	24
33	Human germinal center B cells differ from naive and memory B cells by their aggregated MHC class II-rich compartments lacking HLA-DO. <i>International Immunology</i> , 2003 , 15, 457-66	4.9	23

32	Mouse B lymphocyte specific endocytosis and recycling of MHC class II molecules. <i>EMBO Journal</i> , 1990 , 9, 3489-96	13	16
31	Extrathymic induction of Foxp3+ regulatory T cells declines with age in a T-cell intrinsic manner. <i>European Journal of Immunology</i> , 2013 , 43, 2598-604	6.1	15
30	Highly efficient transduction of human plasmacytoid dendritic cells without phenotypic and functional maturation. <i>Journal of Translational Medicine</i> , 2009 , 7, 10	8.5	14
29	Multiparameter image cytometry: From confocal micrographs to subcellular fluorograms. <i>Bioimaging</i> , 1997 , 5, 159-169		14
28	Lateral Mobility of the Cell Adhesion Molecule L1 Within the Surface Membrane of Morphologically Undifferentiated and Differentiated Neuroblastoma Cells. <i>European Journal of Neuroscience</i> , 1990 , 2, 712-717	3.5	13
27	Apical and basal Forssman antigen in MDCK II cells: a morphological and quantitative study. <i>European Journal of Cell Biology</i> , 1991 , 56, 269-85	6.1	13
26	Efficient transduction of monocyte- and CD34+-derived Langerhans cells with lentiviral vectors in the absence of phenotypic and functional maturation. <i>Journal of Gene Medicine</i> , 2006 , 8, 951-61	3.5	12
25	Lipid-lipid and lipid-protein collision rates in membranes. Determination by evaluation of spin-spin interactions between 15N and 14N spin labels. <i>Biochimie</i> , 1981 , 63, 867-70	4.6	12
24	Mast Cell Degranulation Exacerbates Skin Rejection by Enhancing Neutrophil Recruitment. <i>Frontiers in Immunology</i> , 2018 , 9, 2690	8.4	12
23	Presentation of antigens internalized through the B cell receptor requires newly synthesized MHC class II molecules. <i>Journal of Immunology</i> , 1999 , 162, 3408-16	5.3	12
22	Dual muscle-liver transduction imposes immune tolerance for muscle transgene engraftment despite preexisting immunity. <i>JCI Insight</i> , 2019 , 4,	9.9	11
21	Role of Regulatory T Cell and Effector T Cell Exhaustion in Liver-Mediated Transgene Tolerance in Muscle. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019 , 15, 83-100	6.4	10
20	Intrinsic transgene immunogenicity gears CD8(+) T-cell priming after rAAV-mediated muscle gene transfer. <i>Molecular Therapy</i> , 2015 , 23, 697-706	11.7	10
19	Induction of tumor-specific CTL responses using the C-terminal fragment of Viral protein R as cell penetrating peptide. <i>Scientific Reports</i> , 2019 , 9, 3937	4.9	9
18	IRAP-dependent endosomal T cell receptor signalling is essential for T cell responses. <i>Nature Communications</i> , 2020 , 11, 2779	17.4	9
17	Simple conditioning with monospecific CD4+CD25+ regulatory T cells for bone marrow engraftment and tolerance to multiple gene products. <i>Blood</i> , 2006 , 108, 1841-8	2.2	9
16	Checkpoints and functional stages in DC maturation. <i>Advances in Experimental Medicine and Biology</i> , 1997 , 417, 59-64	3.6	9
15	Flexibility of bi- and triantennary glycans of the N-acetylglucosaminic type. A spin label study. <i>FEBS Letters</i> , 1981 , 125, 271-6	3.8	8

14	Identification of an HLA-A*0201-restricted epitopic peptide from human dystrophin: application in duchenne muscular dystrophy gene therapy. <i>Molecular Therapy</i> , 2003 , 8, 274-83	11.7	7
13	Confocal microscopy as a tool to reveal the tridimensional organization of intracellular lumens and intercellular cysts in a human colon adenocarcinoma cell line. <i>Biology of the Cell</i> , 1990 , 69, 129-38	3.5	6
12	GPI membrane anchor is determinant in intracellular accumulation of apical plasma membrane proteins in the non-polarized human colon cancer cell line HT-29 18. <i>Journal of Cell Science</i> , 1994 , 107, 2679-2689	5.3	5
11	Overproduction and secretion of beta 2-microglobulin by a rat thymic epithelial cell line that expresses MHC class I heavy chain. <i>Journal of Cell Science</i> , 1991 , 98, 559-565	5.3	5
10	Intradermal Immunization with rAAV1 Vector Induces Robust Memory CD8 T Cell Responses Independently of Transgene Expression in DCs. <i>Molecular Therapy</i> , 2017 , 25, 2309-2322	11.7	3
9	Enhanced lentiviral transduction of monocyte-derived dendritic cells in the presence of conditioned medium from dying monocytes. <i>Human Gene Therapy</i> , 2007 , 18, 161-70	4.8	2
8	Cross-Presentation of Skin-Targeted Recombinant Adeno-associated Virus 2/1 Transgene Induces Potent Resident Memory CD8 T Cell Responses. <i>Journal of Virology</i> , 2019 , 93,	6.6	2
7	Current Views on Boundary Lipids Deduced from Electron Spin Resonance Studies 1982 , 125-133		2
6	Subcellular Cytofluorometry in Confocal Microscopy 1996 , 279-283		1
5	Differential mRNA expression in untreated and TNF-alpha elicited murine dendritic cells precursors. <i>Advances in Experimental Medicine and Biology</i> , 1997 , 417, 467-73	3.6	1
4	Subcellular localization and sorting of MHC class II molecules. <i>Biology of the Cell</i> , 1991 , 73, 21a-21a	3.5	
3	The Dynamics of Clathrin Coats in Living Cells Measured by Advanced Fluorescence Microscopy 1992 , 27-42		
2	Lipid-Protein Interactions in Biological Membranes. Spin-Label Studies 1980 , 345-352		
1	Simulation of the Electron Spin Resonance Spectra of Spin-Labeled Fatty Acids in Protein-Containing Model Membranes 1985 , 171-185		