

# Ulrich H Von Andrian

## List of Publications by Year in descending order

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91  
papers

18,845  
citations

28274

55  
h-index

49909

87  
g-index

113  
all docs

113  
docs citations

113  
times ranked

23262  
citing authors

#	ARTICLE	IF	CITATIONS
1	T-cell priming by dendritic cells in lymph nodes occurs in three distinct phases. <i>Nature</i> , 2004, 427, 154-159.	27.8	1,602
2	T-Cell Function and Migration – Two Sides of the Same Coin. <i>New England Journal of Medicine</i> , 2000, 343, 1020-1034.	27.0	1,387
3	Chemokines in Innate and Adaptive Host Defense: Basic Chemokine Grammar for Immune Cells. <i>Annual Review of Immunology</i> , 2004, 22, 891-928.	21.8	1,133
4	Homing and cellular traffic in lymph nodes. <i>Nature Reviews Immunology</i> , 2003, 3, 867-878.	22.7	1,132
5	Selective imprinting of gut-homing T cells by Peyer's patch dendritic cells. <i>Nature</i> , 2003, 424, 88-93.	27.8	1,010
6	T cell- and B cell-independent adaptive immunity mediated by natural killer cells. <i>Nature Immunology</i> , 2006, 7, 507-516.	14.5	787
7	Immunosurveillance by Hematopoietic Progenitor Cells Trafficking through Blood, Lymph, and Peripheral Tissues. <i>Cell</i> , 2007, 131, 994-1008.	28.9	646
8	Critical role for the chemokine receptor CXCR6 in NK cell-mediated antigen-specific memory of haptens and viruses. <i>Nature Immunology</i> , 2010, 11, 1127-1135.	14.5	644
9	In vivo endothelial siRNA delivery using polymeric nanoparticles with low molecular weight. <i>Nature Nanotechnology</i> , 2014, 9, 648-655.	31.5	466
10	Migratory Properties of Naive, Effector, and Memory Cd8+ T Cells. <i>Journal of Experimental Medicine</i> , 2001, 194, 953-966.	8.5	456
11	Mechanisms and Consequences of Dendritic Cell Migration. <i>Immunity</i> , 2008, 29, 325-342.	14.3	444
12	Adhesion through L-selectin requires a threshold hydrodynamic shear. <i>Nature</i> , 1996, 379, 266-269.	27.8	434
13	Nociceptive sensory neurons drive interleukin-23-mediated psoriasiform skin inflammation. <i>Nature</i> , 2014, 510, 157-161.	27.8	427
14	Molecular Mechanisms of Lymphocyte Homing to Peripheral Lymph Nodes. <i>Journal of Experimental Medicine</i> , 1998, 187, 205-216.	8.5	420
15	The Chemokine Receptor CX3CR1 Defines Three Antigen-Experienced CD8 <sup>+</sup> T Cell Subsets with Distinct Roles in Immune Surveillance and Homeostasis. <i>Immunity</i> , 2016, 45, 1270-1284.	14.3	419
16	The Cc Chemokine Thymus-Derived Chemotactic Agent 4 (Tca-4, Secondary Lymphoid Tissue Chemokine.) Tj ETQq0 0 0 rgBT /Overlock Lymphocytes in Peripheral Lymph Node High Endothelial Venules. <i>Journal of Experimental Medicine</i> , 2000, 191, 61-76.	8.5	406
17	T Helper Cell Cytokines Modulate Intestinal Stem Cell Renewal and Differentiation. <i>Cell</i> , 2018, 175, 1307-1320.e22.	28.9	388
18	Clonal deletion of thymocytes by circulating dendritic cells homing to the thymus. <i>Nature Immunology</i> , 2006, 7, 1092-1100.	14.5	364

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19	Polymeric synthetic nanoparticles for the induction of antigen-specific immunological tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E156-65.	7.1	364
20	The Ccr7 Ligand ELC (Ccl19) Is Transcytosed in High Endothelial Venules and Mediates T Cell Recruitment. <i>Journal of Experimental Medicine</i> , 2001, 193, 1105-1112.	8.5	335
21	Regulatory iNKT cells lack expression of the transcription factor PLZF and control the homeostasis of Treg cells and macrophages in adipose tissue. <i>Nature Immunology</i> , 2015, 16, 85-95.	14.5	315
22	A mucosal vaccine against <i>Chlamydia trachomatis</i> generates two waves of protective memory T cells. <i>Science</i> , 2015, 348, aaa8205.	12.6	312
23	Antigen-specific NK cell memory in rhesus macaques. <i>Nature Immunology</i> , 2015, 16, 927-932.	14.5	269
24	SCS macrophages suppress melanoma by restricting tumor-derived vesicle-B cell interactions. <i>Science</i> , 2016, 352, 242-246.	12.6	259
25	$\beta$ T cells producing interleukin-17A regulate adipose regulatory T cell homeostasis and thermogenesis. <i>Nature Immunology</i> , 2018, 19, 464-474.	14.5	255
26	Perivascular macrophages mediate neutrophil recruitment during bacterial skin infection. <i>Nature Immunology</i> , 2014, 15, 45-53.	14.5	242
27	Distinct Compartmentalization of the Chemokines CXCL1 and CXCL2 and the Atypical Receptor ACKR1 Determine Discrete Stages of Neutrophil Diapedesis. <i>Immunity</i> , 2018, 49, 1062-1076.e6.	14.3	233
28	Intravital Microscopy of the Peripheral Lymph Node Microcirculation in Mice. <i>Microcirculation</i> , 1996, 3, 287-300.	1.8	210
29	In vivo imaging and tracking of host-microbiota interactions via metabolic labeling of gut anaerobic bacteria. <i>Nature Medicine</i> , 2015, 21, 1091-1100.	30.7	178
30	Adipose Type One Innate Lymphoid Cells Regulate Macrophage Homeostasis through Targeted Cytotoxicity. <i>Immunity</i> , 2017, 46, 273-286.	14.3	166
31	Insights into <i>Vibrio cholerae</i> Intestinal Colonization from Monitoring Fluorescently Labeled Bacteria. <i>PLoS Pathogens</i> , 2014, 10, e1004405.	4.7	158
32	A multistep adhesion cascade for lymphoid progenitor cell homing to the thymus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7006-7011.	7.1	148
33	CCL22 controls immunity by promoting regulatory T cell communication with dendritic cells in lymph nodes. <i>Journal of Experimental Medicine</i> , 2019, 216, 1170-1181.	8.5	145
34	Adjuvant-carrying synthetic vaccine particles augment the immune response to encapsulated antigen and exhibit strong local immune activation without inducing systemic cytokine release. <i>Vaccine</i> , 2014, 32, 2882-2895.	3.8	144
35	The Regulation of Immunological Processes by Peripheral Neurons in Homeostasis and Disease. <i>Trends in Immunology</i> , 2015, 36, 578-604.	6.8	140
36	Spinal cord injury-induced immunodeficiency is mediated by a sympathetic-neuroendocrine adrenal reflex. <i>Nature Neuroscience</i> , 2017, 20, 1549-1559.	14.8	133

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37	Differential DARC/ACKR1 expression distinguishes venular from non-venular endothelial cells in murine tissues. <i>BMC Biology</i> , 2017, 15, 45.	3.8	124
38	CXCL12 Mediates CCR7-independent Homing of Central Memory Cells, But Not Naive T Cells, in Peripheral Lymph Nodes. <i>Journal of Experimental Medicine</i> , 2004, 199, 1113-1120.	8.5	110
39	Adhesion and homing of blood-borne cells in bone marrow microvessels. <i>Journal of Leukocyte Biology</i> , 1999, 66, 25-32.	3.3	102
40	Lymph nodes are innervated by a unique population of sensory neurons with immunomodulatory potential. <i>Cell</i> , 2021, 184, 441-459.e25.	28.9	101
41	Quiescent cancer cells resist T cell attack by forming an immunosuppressive niche. <i>Cell</i> , 2022, 185, 1694-1708.e19.	28.9	100
42	ROR $\gamma$ -expressing T regulatory cells restrain allergic skin inflammation. <i>Science Immunology</i> , 2018, 3, .	11.9	97
43	Initiation of Protein O Glycosylation by the Polypeptide GalNAcT-1 in Vascular Biology and Humoral Immunity. <i>Molecular and Cellular Biology</i> , 2007, 27, 8783-8796.	2.3	94
44	Neutrophil Responses to Sterile Implant Materials. <i>PLoS ONE</i> , 2015, 10, e0137550.	2.5	92
45	Illuminating vital surface molecules of symbionts in health and disease. <i>Nature Microbiology</i> , 2017, 2, 17099.	13.3	86
46	In Situ Analysis of Lymphocyte Migration to Lymph Nodes. <i>Cell Adhesion and Communication</i> , 1998, 6, 85-96.	1.7	82
47	Atypical chemokine receptor 1 on nucleated erythroid cells regulates hematopoiesis. <i>Nature Immunology</i> , 2017, 18, 753-761.	14.5	76
48	IMMUNOLOGY: Memory T Cells—Local Heroes in the Struggle for Immunity. <i>Science</i> , 2001, 291, 2323-2324.	12.6	75
49	Single-cell dynamics of T-cell priming. <i>Current Opinion in Immunology</i> , 2007, 19, 249-258.	5.5	73
50	Targeted Delivery of Immunomodulators to Lymph Nodes. <i>Cell Reports</i> , 2016, 15, 1202-1213.	6.4	73
51	Natural killer cell-mediated contact sensitivity develops rapidly and depends on interferon $\gamma$ , interferon $\beta$ and interleukin $\beta$ . <i>Immunology</i> , 2013, 140, 98-110.	4.4	71
52	Organism-Level Analysis of Vaccination Reveals Networks of Protection across Tissues. <i>Cell</i> , 2017, 171, 398-413.e21.	28.9	69
53	Targeting Cytokine Therapy to the Pancreatic Tumor Microenvironment Using PD-L1-Specific VHHs. <i>Cancer Immunology Research</i> , 2018, 6, 389-401.	3.4	68
54	Age-related changes in the local milieu of inflamed tissues cause aberrant neutrophil trafficking and subsequent remote organ damage. <i>Immunity</i> , 2021, 54, 1494-1510.e7.	14.3	66

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55	A Novel Endothelial L-Selectin Ligand Activity in Lymph Node Medulla That Is Regulated by $\beta(1,3)$ -Fucosyltransferase-IV. <i>Journal of Experimental Medicine</i> , 2003, 198, 1301-1312.	8.5	59
56	Targeted delivery of immune therapeutics to lymph nodes prolongs cardiac allograft survival. <i>Journal of Clinical Investigation</i> , 2018, 128, 4770-4786.	8.2	59
57	Fc $\gamma$ R engagement reprograms neutrophils into antigen cross-presenting cells that elicit acquired anti-tumor immunity. <i>Nature Communications</i> , 2021, 12, 4791.	12.8	55
58	Random Migration and Signal Integration Promote Rapid and Robust T Cell Recruitment. <i>PLoS Computational Biology</i> , 2014, 10, e1003752.	3.2	52
59	Core 2 branching $\beta(1,6)$ -N-acetylglucosaminyltransferase and high endothelial cell N-acetylglucosamine-6-sulfotransferase exert differential control over B- and T-lymphocyte homing to peripheral lymph nodes. <i>Blood</i> , 2004, 104, 4104-4112.	1.4	50
60	Ex Vivo Cytosolic Delivery of Functional Macromolecules to Immune Cells. <i>PLoS ONE</i> , 2015, 10, e0118803.	2.5	47
61	IMMUNOLOGY: T Cell Activation in Six Dimensions. <i>Science</i> , 2002, 296, 1815-1817.	12.6	41
62	A Dual Role for Corneal Dendritic Cells in Herpes Simplex Keratitis: Local Suppression of Corneal Damage and Promotion of Systemic Viral Dissemination. <i>PLoS ONE</i> , 2015, 10, e0137123.	2.5	39
63	Pivotal role for skin transendothelial radio-resistant anti-inflammatory macrophages in tissue repair. <i>ELife</i> , 2016, 5, .	6.0	34
64	Prolonged contact with dendritic cells turns lymph node-resident NK cells into anti-tumor effectors. <i>EMBO Molecular Medicine</i> , 2016, 8, 1039-1051.	6.9	30
65	Immunology-Guided Biomaterial Design for Mucosal Cancer Vaccines. <i>Advanced Materials</i> , 2020, 32, e1903847.	21.0	29
66	Specialized transendothelial dendritic cells mediate thymic T-cell selection against blood-borne macromolecules. <i>Nature Communications</i> , 2021, 12, 6230.	12.8	20
67	Cosmic controls B cell homing. <i>Nature Communications</i> , 2020, 11, 3990.	12.8	19
68	Gamma Interferon Is Required for <i>Chlamydia</i> Clearance but Is Dispensable for T Cell Homing to the Genital Tract. <i>MBio</i> , 2020, 11, .	4.1	17
69	Targeted delivery of mycophenolic acid to the mesenteric lymph node using a triglyceride mimetic prodrug approach enhances gut-specific immunomodulation in mice. <i>Journal of Controlled Release</i> , 2021, 332, 636-651.	9.9	16
70	RGS4 inhibits angiotensin II signaling and macrophage localization during renal reperfusion injury independent of vasospasm. <i>Kidney International</i> , 2015, 87, 771-783.	5.2	15
71	Mucosal absorption of therapeutic peptides by harnessing the endogenous sorting of glycosphingolipids. <i>ELife</i> , 2018, 7, .	6.0	15
72	ACKR1 favors transcellular over paracellular T cell diapedesis across the blood-brain barrier in neuroinflammation in vitro. <i>European Journal of Immunology</i> , 2022, 52, 161-177.	2.9	15

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73	Splenic progenitors aid in maintaining high neutrophil numbers at sites of sterile chronic inflammation. <i>Journal of Leukocyte Biology</i> , 2016, 100, 253-260.	3.3	14
74	Microfluidic Squeezing Enables MHC Class I Antigen Presentation by Diverse Immune Cells to Elicit CD8+ T Cell Responses with Antitumor Activity. <i>Journal of Immunology</i> , 2022, 208, 929-940.	0.8	11
75	Extracellular DNA Traps Are Associated with Pathogenesis of TRALI in Humans and Mice. <i>Blood</i> , 2011, 118, 37-37.	1.4	10
76	Type I interferon mediated induction of somatostatin leads to suppression of ghrelin and appetite thereby promoting viral immunity in mice. <i>Brain, Behavior, and Immunity</i> , 2021, 95, 429-443.	4.1	9
77	IL4RA on lymphatic endothelial cells promotes T cell egress during sclerodermatous graft versus host disease. <i>JCI Insight</i> , 2016, 1, .	5.0	8
78	High-Fat Diet Rapidly Modifies Trafficking, Phenotype, and Function of Plasmacytoid Dendritic Cells in Adipose Tissue. <i>Journal of Immunology</i> , 2022, 208, 1445-1455.	0.8	8
79	Is There Natural Killer Cell Memory and Can It Be Harnessed by Vaccination?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029488.	5.5	7
80	NK cell memory: discovery of a mystery. <i>Nature Immunology</i> , 2021, 22, 669-671.	14.5	7
81	PKC- $\beta^2$ (I): the whole ignition system or just a sparkplug for T cell migration?. <i>Nature Immunology</i> , 2001, 2, 477-478.	14.5	5
82	Figuring Fact from Fiction: Unbiased Polling of Memory T Cells. <i>Cell</i> , 2015, 161, 702-704.	28.9	4
83	Selectins and Their Ligands Are Required for Homing and Engraftment of BCR-ABL+ Leukemia-Initiating Cells.. <i>Blood</i> , 2005, 106, 697-697.	1.4	4
84	Quo vadis, neutrophil?. <i>Cell</i> , 2022, 185, 759-761.	28.9	4
85	High Endothelial Venules. , 2007, , 1568-1588.		2
86	Role of LFA-1 integrin in the control of a lymphocytic choriomeningitis virus (LCMV) infection. <i>Virulence</i> , 2020, 11, 1640-1655.	4.4	1
87	861â€¦Reprogramming regulatory T cells (Treg) using a MALT1 inhibitor for cancer therapy. , 2021, 9, A902-A902.		1
88	Abstract P106: Reprogramming regulatory T cells (Treg) using a MALT1 inhibitor for cancer therapy. , 2021, , .		1
89	CD44 Is Selectively Required for the Homing and Engraftment of BCR-ABL-Expressing Leukemic Stem Cells.. <i>Blood</i> , 2006, 108, 743-743.	1.4	0
90	BCR-ABL1+ Leukemic Stem Cells Are Dependent On Selectin-Ligand Interactions For Engraftment In The Bone Marrow Niche. <i>Blood</i> , 2013, 122, 2703-2703.	1.4	0

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91	229â€¦CX3CR1 in exhausted CD8 T cell states. , 2021, 9, A244-A244.		0