Andrew L Mellor

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#	Paper	IF	Citations
124	Prevention of allogeneic fetal rejection by tryptophan catabolism. <i>Science</i> , 1998 , 281, 1191-3	33.3	1917
123	IDO expression by dendritic cells: tolerance and tryptophan catabolism. <i>Nature Reviews Immunology</i> , 2004 , 4, 762-74	36.5	1798
122	Meta-analysis of cytokine alterations in schizophrenia: clinical status and antipsychotic effects. <i>Biological Psychiatry</i> , 2011 , 70, 663-71	7.9	1146
121	GCN2 kinase in T cells mediates proliferative arrest and anergy induction in response to indoleamine 2,3-dioxygenase. <i>Immunity</i> , 2005 , 22, 633-42	32.3	869
120	Potential regulatory function of human dendritic cells expressing indoleamine 2,3-dioxygenase. <i>Science</i> , 2002 , 297, 1867-70	33.3	861
119	Indoleamine 2,3-dioxygenase and tumor-induced tolerance. <i>Journal of Clinical Investigation</i> , 2007 , 117, 1147-54	15.9	785
118	Indoleamine 2,3 dioxygenase and metabolic control of immune responses. <i>Trends in Immunology</i> , 2013 , 34, 137-43	14.4	676
117	Plasmacytoid dendritic cells from mouse tumor-draining lymph nodes directly activate mature Tregs via indoleamine 2,3-dioxygenase. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2570-82	15.9	607
116	IDO in the Tumor Microenvironment: Inflammation, Counter-Regulation, and Tolerance. <i>Trends in Immunology</i> , 2016 , 37, 193-207	14.4	543
115	Expression of indoleamine 2,3-dioxygenase by plasmacytoid dendritic cells in tumor-draining lymph nodes. <i>Journal of Clinical Investigation</i> , 2004 , 114, 280-90	15.9	533
114	Inhibition of indoleamine 2,3-dioxygenase in dendritic cells by stereoisomers of 1-methyl-tryptophan correlates with antitumor responses. <i>Cancer Research</i> , 2007 , 67, 792-801	10.1	492
113	Cutting edge: induced indoleamine 2,3 dioxygenase expression in dendritic cell subsets suppresses T cell clonal expansion. <i>Journal of Immunology</i> , 2003 , 171, 1652-5	5.3	390
112	Ligation of B7-1/B7-2 by human CD4+ T cells triggers indoleamine 2,3-dioxygenase activity in dendritic cells. <i>Journal of Immunology</i> , 2004 , 172, 4100-10	5.3	379
111	IDO activates regulatory T cells and blocks their conversion into Th17-like T cells. <i>Journal of Immunology</i> , 2009 , 183, 2475-83	5.3	362
110	Prevention of T cell-driven complement activation and inflammation by tryptophan catabolism during pregnancy. <i>Nature Immunology</i> , 2001 , 2, 64-8	19.1	358
109	Indoleamine 2,3-dioxygenase controls conversion of Foxp3+ Tregs to TH17-like cells in tumor-draining lymph nodes. <i>Blood</i> , 2009 , 113, 6102-11	2.2	326
108	Kynurenine is an endothelium-derived relaxing factor produced during inflammation. <i>Nature Medicine</i> , 2010 , 16, 279-85	50.5	322

(2005-2002)

107	Indoleamine 2,3-dioxygenase contributes to tumor cell evasion of T cell-mediated rejection. <i>International Journal of Cancer</i> , 2002 , 101, 151-5	7.5	309
106	Cells expressing indoleamine 2,3-dioxygenase inhibit T cell responses. <i>Journal of Immunology</i> , 2002 , 168, 3771-6	5.3	298
105	Creating immune privilege: active local suppression that benefits friends, but protects foes. <i>Nature Reviews Immunology</i> , 2008 , 8, 74-80	36.5	273
104	Infectious tolerance via the consumption of essential amino acids and mTOR signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12055-60	11.5	254
103	Cutting edge: CpG oligonucleotides induce splenic CD19+ dendritic cells to acquire potent indoleamine 2,3-dioxygenase-dependent T cell regulatory functions via IFN Type 1 signaling. <i>Journal of Immunology</i> , 2005 , 175, 5601-5	5.3	254
102	Specific subsets of murine dendritic cells acquire potent T cell regulatory functions following CTLA4-mediated induction of indoleamine 2,3 dioxygenase. <i>International Immunology</i> , 2004 , 16, 1391-40	A·9	227
101	Chronic inflammation that facilitates tumor progression creates local immune suppression by inducing indoleamine 2,3 dioxygenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17073-8	11.5	188
100	Tryptophan catabolism and regulation of adaptive immunity. <i>Journal of Immunology</i> , 2003 , 170, 5809-13	5.3	164
99	STING Promotes the Growth of Tumors Characterized by Low Antigenicity via IDO Activation. <i>Cancer Research</i> , 2016 , 76, 2076-81	10.1	152
98	Reprogrammed foxp3(+) regulatory T cells provide essential help to support cross-presentation and CD8(+) T cell priming in naive mice. <i>Immunity</i> , 2010 , 33, 942-54	32.3	144
97	Tolerance to apoptotic cells is regulated by indoleamine 2,3-dioxygenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3909-14	11.5	138
96	IDO2 is critical for IDO1-mediated T-cell regulation and exerts a non-redundant function in inflammation. <i>International Immunology</i> , 2014 , 26, 357-67	4.9	137
95	An inherently bifunctional subset of Foxp3+ T helper cells is controlled by the transcription factor eos. <i>Immunity</i> , 2013 , 38, 998-1012	32.3	130
94	Indoleamine 2,3-dioxygenase is a critical regulator of acute graft-versus-host disease lethality. <i>Blood</i> , 2008 , 111, 3257-65	2.2	130
93	Meta-analysis of lymphocytes in schizophrenia: clinical status and antipsychotic effects. <i>Biological Psychiatry</i> , 2013 , 73, 993-9	7.9	128
92	Amino acid catabolism: a pivotal regulator of innate and adaptive immunity. <i>Immunological Reviews</i> , 2012 , 249, 135-57	11.3	122
91	Indoleamine 2,3-Dioxygenase and Tolerance: Where Are We Now?. Frontiers in Immunology, 2017, 8, 136	8 .4	120
90	Indoleamine 2,3 dioxygenase and regulation of T cell immunity. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 20-4	3.4	120

89	The indoleamine 2,3-dioxygenase pathway controls complement-dependent enhancement of chemo-radiation therapy against murine glioblastoma 2014 , 2, 21		116
88	The PTEN pathway in Tregs is a critical driver of the suppressive tumor microenvironment. <i>Science Advances</i> , 2015 , 1, e1500845	14.3	113
87	T cell costimulation molecules CD80/86 inhibit osteoclast differentiation by inducing the IDO/tryptophan pathway. <i>Science Translational Medicine</i> , 2014 , 6, 235ra60	17.5	110
86	Inducing the tryptophan catabolic pathway, indoleamine 2,3-dioxygenase (IDO), for suppression of graft-versus-host disease (GVHD) lethality. <i>Blood</i> , 2009 , 114, 5062-70	2.2	110
85	Indoleamine 2,3-dioxygenase in lung dendritic cells promotes Th2 responses and allergic inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6690-5	11.5	104
84	Pattern of recruitment of immunoregulatory antigen-presenting cells in malignant melanoma. <i>Laboratory Investigation</i> , 2003 , 83, 1457-66	5.9	104
83	Immunosuppressive myeloid cells induced by chemotherapy attenuate antitumor CD4+ T-cell responses through the PD-1-PD-L1 axis. <i>Cancer Research</i> , 2014 , 74, 3441-53	10.1	100
82	Cutting edge: DNA sensing via the STING adaptor in myeloid dendritic cells induces potent tolerogenic responses. <i>Journal of Immunology</i> , 2013 , 191, 3509-13	5.3	100
81	Immune control by amino acid catabolism during tumorigenesis and therapy. <i>Nature Reviews Cancer</i> , 2019 , 19, 162-175	31.3	95
80	Opposing biological functions of tryptophan catabolizing enzymes during intracellular infection. <i>Journal of Infectious Diseases</i> , 2012 , 205, 152-61	7	90
79	Cell-autonomous control of interferon type I expression by indoleamine 2,3-dioxygenase in regulatory CD19+ dendritic cells. <i>European Journal of Immunology</i> , 2007 , 37, 1064-71	6.1	88
78	Dendritic cells, indoleamine 2,3 dioxygenase and acquired immune privilege. <i>International Reviews of Immunology</i> , 2010 , 29, 133-55	4.6	82
77	A systematic, quantitative review of blood autoantibodies in schizophrenia. <i>Schizophrenia Research</i> , 2013 , 150, 245-51	3.6	79
76	639. Indoleamine 2,3 Dioxygenase, Age, and Chronic Immune Activation in HIV Patients. <i>Open Forum Infectious Diseases</i> , 2018 , 5, S232-S232	1	78
75	Indoleamine 2,3-dioxygenase, immunosuppression and pregnancy. <i>Journal of Reproductive Immunology</i> , 2002 , 57, 143-50	4.2	76
74	Highlights of 10 years of immunology in Nature Reviews Immunology. <i>Nature Reviews Immunology</i> , 2011 , 11, 693-702	36.5	75
73	Canonical wnt signaling in dendritic cells regulates Th1/Th17 responses and suppresses autoimmune neuroinflammation. <i>Journal of Immunology</i> , 2015 , 194, 3295-304	5.3	74
72	Marginal zone CD169+ macrophages coordinate apoptotic cell-driven cellular recruitment and tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4215-20	11.5	74

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71	Exatenin promotes regulatory T-cell responses in tumors by inducing vitamin A metabolism in dendritic cells. <i>Cancer Research</i> , 2015 , 75, 656-665	10.1	71
70	Viral infection prevents diabetes by inducing regulatory T cells through NKT cell-plasmacytoid dendritic cell interplay. <i>Journal of Experimental Medicine</i> , 2011 , 208, 729-45	16.6	71
69	Tryptophan catabolism and T cell responses. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 527, 27-35	3.6	71
68	Activation of the STING adaptor attenuates experimental autoimmune encephalitis. <i>Journal of Immunology</i> , 2014 , 192, 5571-8	5.3	66
67	Leishmania major attenuates host immunity by stimulating local indoleamine 2,3-dioxygenase expression. <i>Journal of Infectious Diseases</i> , 2011 , 203, 715-25	7	63
66	Physiologic control of IDO competence in splenic dendritic cells. <i>Journal of Immunology</i> , 2011 , 187, 232	9535	63
65	Polyfunctional CD4+ T cells are essential for eradicating advanced B-cell lymphoma after chemotherapy. <i>Blood</i> , 2012 , 120, 2229-39	2.2	58
64	Engineering DNA nanoparticles as immunomodulatory reagents that activate regulatory T cells. Journal of Immunology, 2012 , 188, 4913-20	5.3	58
63	Blockade of programmed death-1 pathway rescues the effector function of tumor-infiltrating T cells and enhances the antitumor efficacy of lentivector immunization. <i>Journal of Immunology</i> , 2010 , 185, 5082-92	5.3	57
62	Chemotherapy rescues tumor-driven aberrant CD4+ T-cell differentiation and restores an activated polyfunctional helper phenotype. <i>Blood</i> , 2010 , 115, 2397-406	2.2	57
61	CD73 on cancer-associated fibroblasts enhanced by the A-mediated feedforward circuit enforces an immune checkpoint. <i>Nature Communications</i> , 2020 , 11, 515	17.4	56
60	Deficiency of indoleamine 2,3-dioxygenase enhances commensal-induced antibody responses and protects against Citrobacter rodentium-induced colitis. <i>Infection and Immunity</i> , 2008 , 76, 3045-53	3.7	56
59	TLR2-dependent activation of Etatenin pathway in dendritic cells induces regulatory responses and attenuates autoimmune inflammation. <i>Journal of Immunology</i> , 2014 , 193, 4203-13	5.3	53
58	Physiologic control of the functional status of Foxp3+ regulatory T cells. <i>Journal of Immunology</i> , 2011 , 186, 4535-40	5.3	52
57	A high-affinity, tryptophan-selective amino acid transport system in human macrophages. <i>Journal of Leukocyte Biology</i> , 2006 , 80, 1320-7	6.5	52
56	GCN2-dependent metabolic stress is essential for endotoxemic cytokine induction and pathology. <i>Molecular and Cellular Biology</i> , 2014 , 34, 428-38	4.8	51
55	The PTEN pathway in Tregs functions as a critical driver of the immunosuppressive tumor microenvironment and tolerance to apoptotic cells 2015 , 3, O19		50
54	Indoleamine 2,3-dioxygenase expression promotes renal ischemia-reperfusion injury. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F226-34	4.3	50

53	Targeting the immunoregulatory indoleamine 2,3 dioxygenase pathway in immunotherapy. <i>Immunotherapy</i> , 2009 , 1, 645-61	3.8	49
52	IDO Immune Status after Chemoradiation May Predict Survival in Lung Cancer Patients. <i>Cancer Research</i> , 2018 , 78, 809-816	10.1	44
51	Deletion of LRP5 and LRP6 in dendritic cells enhances antitumor immunity. <i>OncoImmunology</i> , 2016 , 5, e1115941	7.2	43
50	Mouse mesenchymal stem cells suppress antigen-specific TH cell immunity independent of indoleamine 2,3-dioxygenase 1 (IDO1). Stem Cells and Development, 2010, 19, 657-68	4.4	43
49	Total and differential white blood cell counts, high-sensitivity C-reactive protein, and the metabolic syndrome in non-affective psychoses. <i>Brain, Behavior, and Immunity</i> , 2013 , 31, 82-9	16.6	42
48	Inhibition of indoleamine 2,3-dioxygenase enhances the T-cell response to influenza virus infection. <i>Journal of General Virology</i> , 2013 , 94, 1451-1461	4.9	42
47	Alkylating agent melphalan augments the efficacy of adoptive immunotherapy using tumor-specific CD4+ T cells. <i>Journal of Immunology</i> , 2015 , 194, 2011-21	5.3	41
46	Induction and role of indoleamine 2,3 dioxygenase in mouse models of influenza a virus infection. <i>PLoS ONE</i> , 2013 , 8, e66546	3.7	41
45	B-lymphoid cells with attributes of dendritic cells regulate T cells via indoleamine 2,3-dioxygenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 10644-8	11.5	41
44	Adoptive CD8 T cell therapy against cancer:Challenges and opportunities. <i>Cancer Letters</i> , 2019 , 462, 23	-3 329	40
43	Deficient tryptophan catabolism along the kynurenine pathway reveals that the epididymis is in a unique tolerogenic state. <i>Journal of Biological Chemistry</i> , 2011 , 286, 8030-8042	5.4	40
42	IFN regulatory factor 8 represses GM-CSF expression in T cells to affect myeloid cell lineage differentiation. <i>Journal of Immunology</i> , 2015 , 194, 2369-79	5.3	38
41	Cytokine profiling of young overweight and obese female African American adults with prediabetes. <i>Cytokine</i> , 2013 , 64, 310-5	4	37
40	Soluble CD83 Inhibits T Cell Activation by Binding to the TLR4/MD-2 Complex on CD14 Monocytes. Journal of Immunology, 2017 , 198, 2286-2301	5.3	35
39	Deletion of alloantigen-reactive thymocytes as a mechanism of adult tolerance induction following intrathymic antigen administration. <i>European Journal of Immunology</i> , 1997 , 27, 1591-600	6.1	35
38	Virus Infections Incite Pain Hypersensitivity by Inducing Indoleamine 2,3 Dioxygenase. <i>PLoS Pathogens</i> , 2016 , 12, e1005615	7.6	31
37	Role of CD28 in fatal autoimmune disorder in scurfy mice. <i>Blood</i> , 2007 , 110, 1199-206	2.2	29
36	Policing pregnancy: Tregs help keep the peace. <i>Trends in Immunology</i> , 2004 , 25, 563-5	14.4	27

(2009-2015)

35	Total and differential white blood cell counts, high-sensitivity C-reactive protein, and cardiovascular risk in non-affective psychoses. <i>Brain, Behavior, and Immunity</i> , 2015 , 45, 28-35	16.6	24
34	B7h (ICOS-L) maintains tolerance at the fetomaternal interface. <i>American Journal of Pathology</i> , 2013 , 182, 2204-13	5.8	24
33	Cytosolic DNA sensing via the stimulator of interferon genes adaptor: Yin and Yang of immune responses to DNA. <i>European Journal of Immunology</i> , 2014 , 44, 2847-53	6.1	23
32	Indoleamine 2,3-dioxygenase (IDO) activity during the primary immune response to influenza infection modifies the memory T cell response to influenza challenge. <i>Viral Immunology</i> , 2014 , 27, 112-2	<u>2</u> 3·7	22
31	Local administration of TLR ligands rescues the function of tumor-infiltrating CD8 T cells and enhances the antitumor effect of lentivector immunization. <i>Journal of Immunology</i> , 2013 , 190, 5866-73	5.3	22
30	CD4(+)CD25(+) regulatory T cells resist a novel form of CD28- and Fas-dependent p53-induced T cell apoptosis. <i>Journal of Immunology</i> , 2010 , 184, 94-104	5.3	22
29	Amino acid metabolism inhibits antibody-driven kidney injury by inducing autophagy. <i>Journal of Immunology</i> , 2015 , 194, 5713-24	5.3	21
28	Effect of indoleamine dioxygenase-1 deficiency and kynurenine pathway inhibition on murine cerebral malaria. <i>International Journal for Parasitology</i> , 2009 , 39, 363-70	4.3	20
27	T cell regulatory plasmacytoid dendritic cells expressing indoleamine 2,3 dioxygenase. <i>Handbook of Experimental Pharmacology</i> , 2009 , 165-96	3.2	20
26	Carbidopa, a drug in use for management of Parkinson disease inhibits T cell activation and autoimmunity. <i>PLoS ONE</i> , 2017 , 12, e0183484	3.7	17
25	STING, nanoparticles, autoimmune disease and cancer: a novel paradigm for immunotherapy?. <i>Expert Review of Clinical Immunology</i> , 2015 , 11, 155-65	5.1	17
24	Immune privilege: a recurrent theme in immunoregulation?. <i>Immunological Reviews</i> , 2006 , 213, 5-11	11.3	17
23	Metabolic control of tumour progression and antitumour immunity. <i>Current Opinion in Oncology</i> , 2014 , 26, 92-9	4.2	16
22	Overcoming resistance to STING agonist therapy to incite durable protective antitumor immunity 2020 , 8,		16
21	Altered tryptophan metabolism as a paradigm for good and bad aspects of immune privilege in chronic inflammatory diseases. <i>Frontiers in Immunology</i> , 2012 , 3, 109	8.4	15
20	Novel delivery of cellular therapy to reduce ischemia reperfusion injury in kidney transplantation. <i>American Journal of Transplantation</i> , 2021 , 21, 1402-1414	8.7	15
19	Stimulator of interferon genes agonists attenuate type I diabetes progression in NOD mice. <i>Immunology</i> , 2019 , 158, 353-361	7.8	14
18	IFN-gamma-indoleamine-2,3 dioxygenase acts as a major suppressive factor in 4-1BB-mediated immune suppression in vivo. <i>Journal of Leukocyte Biology</i> , 2009 , 85, 817-25	6.5	13

17	Exosome-derived miR-142-5p remodels lymphatic vessels and induces IDO to promote immune privilege in the tumour microenvironment. <i>Cell Death and Differentiation</i> , 2021 , 28, 715-729	12.7	13
16	A Validation Study on IDO Immune Biomarkers for Survival Prediction in Non-Small Cell Lung Cancer: Radiation Dose Fractionation Effect in Early-Stage Disease. <i>Clinical Cancer Research</i> , 2020 , 26, 282-289	12.9	12
15	Allostimulatory activity of bone marrow-derived plasmacytoid dendritic cells is independent of indoleamine dioxygenase but regulated by inducible costimulator ligand expression. <i>Human Immunology</i> , 2009 , 70, 313-20	2.3	11
14	Decreased protein nitration in macrophages that overexpress indoleamine 2, 3-dioxygenase. <i>Cellular and Molecular Biology Letters</i> , 2007 , 12, 82-102	8.1	11
13	Poly(ethylene glycol)-interpenetrated genipin-crosslinked chitosan hydrogels: Structure, pH responsiveness, gelation kinetics, and rheology. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49259	2.9	9
12	Constitutively CD40-activated B cells regulate CD8 T cell inflammatory response by IL-10 induction. Journal of Immunology, 2013 , 190, 3189-96	5.3	8
11	The immunotherapeutic role of indoleamine 2,3-dioxygenase in head and neck squamous cell carcinoma: A systematic review. <i>Clinical Otolaryngology</i> , 2021 , 46, 919-934	1.8	6
10	Co-treatments to Boost IDO Activity and Inhibit Production of Downstream Catabolites Induce Durable Suppression of Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2020 , 11, 1256	8.4	4
9	Limited Effect of Indolamine 2,3-Dioxygenase Expression and Enzymatic Activity on Lupus-Like Disease in B6.Nba2 Mice. <i>Frontiers in Immunology</i> , 2019 , 10, 2017	8.4	3
8	CD40 Accelerates the Antigen-Specific Stem-Like Memory CD8 T Cells Formation and Human Papilloma Virus (HPV)-Positive Tumor Eradication. <i>Frontiers in Immunology</i> , 2020 , 11, 1012	8.4	3
7	Indoleamine 2,3-dioxygenase inhibition alters the non-coding RNA transcriptome following renal ischemia-reperfusion injury. <i>Transplant Immunology</i> , 2014 , 30, 140-4	1.7	3
6	Host Indoleamine 2,3-Dioxygenase Is a Critical Regulator of Acute GVHD Lethality <i>Blood</i> , 2007 , 110, 352-352	2.2	1
5	Indoleamine 2,3 dioxygenase, age, and immune activation in people living with HIV. <i>Journal of Investigative Medicine</i> , 2021 , 69, 1238-1244	2.9	1
4	STING negatively regulates allogeneic T-cell responses by constraining antigen-presenting cell function. <i>Cellular and Molecular Immunology</i> , 2021 , 18, 632-643	15.4	1
3	Metabolic requirements for expanding and arming a clone army. <i>Nature Immunology</i> , 2019 , 20, 118-120	0 19.1	
2	Inducing the Tryptophan Catabolic Pathway, Indoleamine 2,3-Dioxygenase (IDO), for Suppression of Graft-Versus-Host Disease (GVHD) Lethality <i>Blood</i> , 2009 , 114, 3547-3547	2.2	
1	Indoleamine-2,3-Dioxygenase Restrains Hypertension Induced by Angiotensin II in Rats Fed a High Salt Diet. <i>FASEB Journal</i> , 2013 , 27, 1115.2	0.9	