

David D Brand

List of Publications by Year in descending order

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95
papers

6,819
citations

70961

41
h-index

60497

81
g-index

100
all docs

100
docs citations

100
times ranked

9367
citing authors

#	ARTICLE	IF	CITATIONS
1	Collagen-induced arthritis. <i>Nature Protocols</i> , 2007, 2, 1269-1275.	5.5	1,046
2	IL-17-dependent cellular immunity to collagen type V predisposes to obliterative bronchiolitis in human lung transplants. <i>Journal of Clinical Investigation</i> , 2007, 117, 3498-3506.	3.9	361
3	Role of Vitamin A in the Immune System. <i>Journal of Clinical Medicine</i> , 2018, 7, 258.	1.0	333
4	Role of TNF-TNF Receptor 2 Signal in Regulatory T Cells and Its Therapeutic Implications. <i>Frontiers in Immunology</i> , 2018, 9, 784.	2.2	253
5	Cross-Linking Electrospun Type II Collagen Tissue Engineering Scaffolds with Carbodiimide in Ethanol. <i>Tissue Engineering</i> , 2007, 13, 1593-1605.	4.9	226
6	Relevance of Posttranslational Modifications for the Arthritogenicity of Type II Collagen. <i>Journal of Immunology</i> , 2004, 172, 2970-2975.	0.4	218
7	An HLA-DR1 Transgene Confers Susceptibility to Collagen-induced Arthritis Elicited with Human Type II Collagen. <i>Journal of Experimental Medicine</i> , 1997, 185, 1113-1122.	4.2	216
8	Critical role of all-trans retinoic acid in stabilizing human natural regulatory T cells under inflammatory conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3432-40.	3.3	206
9	Immunopathogenesis of Collagen Arthritis. <i>Seminars in Immunopathology</i> , 2003, 25, 3-18.	4.0	205
10	Cutting Edge: All-trans Retinoic Acid Sustains the Stability and Function of Natural Regulatory T Cells in an Inflammatory Milieu. <i>Journal of Immunology</i> , 2010, 185, 2675-2679.	0.4	205
11	Role of SMAD and Non-SMAD Signals in the Development of Th17 and Regulatory T Cells. <i>Journal of Immunology</i> , 2010, 184, 4295-4306.	0.4	187
12	Adoptive Transfer of Human Gingiva-Derived Mesenchymal Stem Cells Ameliorates Collagen-Induced Arthritis via Suppression of Th1 and Th17 Cells and Enhancement of Regulatory T Cell Differentiation. <i>Arthritis and Rheumatism</i> , 2013, 65, 1181-1193.	6.7	173
13	Cleavage of denatured natural collagen type II by neutrophil gelatinase B reveals enzyme specificity, post-translational modifications in the substrate, and the formation of remnant epitopes in rheumatoid arthritis. <i>FASEB Journal</i> , 2002, 16, 379-389.	0.2	167
14	Anti-Type V Collagen Lymphocytes that Express IL-17 and IL-23 Induce Rejection Pathology in Fresh and Well-Healed Lung Transplants. <i>American Journal of Transplantation</i> , 2006, 6, 724-735.	2.6	147
15	Antigen-specific transforming growth factor β -induced Treg cells, but not natural Treg cells, ameliorate autoimmune arthritis in mice by shifting the Th17/Treg cell balance from Th17 predominance to Treg cell predominance. <i>Arthritis and Rheumatism</i> , 2012, 64, 2548-2558.	6.7	129
16	Synergistic effect of TGF β 2 superfamily members on the induction of Foxp3 ⁺ Treg. <i>European Journal of Immunology</i> , 2010, 40, 142-152.	1.6	111
17	Targeting IL-2: an unexpected effect in treating immunological diseases. <i>Signal Transduction and Targeted Therapy</i> , 2018, 3, 2.	7.1	111
18	Advances in distinguishing natural from induced Foxp3(+) regulatory T cells. <i>International Journal of Clinical and Experimental Pathology</i> , 2013, 6, 116-23.	0.5	106

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19	All-Trans Retinoic Acid Promotes TGF- β 2-Induced Tregs via Histone Modification but Not DNA Demethylation on Foxp3 Gene Locus. <i>PLoS ONE</i> , 2011, 6, e24590.	1.1	102
20	<i>Porphyromonas gingivalis</i> oral infection exacerbates the development and severity of collagen-induced arthritis. <i>Arthritis Research and Therapy</i> , 2013, 15, R186.	1.6	100
21	Th-17, Monokines, Collagen Type V, and Primary Graft Dysfunction in Lung Transplantation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 660-668.	2.5	95
22	Administering human adipose-derived mesenchymal stem cells to prevent and treat experimental arthritis. <i>Clinical Immunology</i> , 2011, 141, 328-337.	1.4	95
23	Induced T regulatory cells suppress osteoclastogenesis and bone erosion in collagen-induced arthritis better than natural T regulatory cells. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 1567-1572.	0.5	92
24	lncRNA β -PDK2P promotes hepatocellular carcinoma progression through the PDK1/AKT/Caspase 3 pathway. <i>Molecular Oncology</i> , 2019, 13, 2246-2258.	2.1	91
25	Inflammasome-independent Role of Apoptosis-associated Speck-like Protein Containing a CARD (ASC) in T Cell Priming Is Critical for Collagen-induced Arthritis. <i>Journal of Biological Chemistry</i> , 2010, 285, 12454-12462.	1.6	84
26	Monomeric, porous type II collagen scaffolds promote chondrogenic differentiation of human bone marrow mesenchymal stem cells in vitro. <i>Scientific Reports</i> , 2017, 7, 43519.	1.6	76
27	Polyclonal CD4 ⁺ Foxp3 ⁺ Treg cells induce TGF- β 2-dependent tolerogenic dendritic cells that suppress the murine lupus-like syndrome. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 409-419.	1.5	73
28	Direct Visualization of Protease Action on Collagen Triple Helical Structure. <i>PLoS ONE</i> , 2010, 5, e11043.	1.1	70
29	Collagen-Induced Arthritis. <i>Current Protocols in Immunology</i> , 2010, 89, Unit 15.5.1-25.	3.6	68
30	The function of BAFF on T helper cells in autoimmunity. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 301-305.	3.2	66
31	Collagen antibody-induced arthritis in mice: Development of a new arthritogenic 5-clone cocktail of monoclonal anti-type II collagen antibodies. <i>Journal of Immunological Methods</i> , 2009, 343, 49-55.	0.6	63
32	Phenotypic and functional characteristic of a newly identified CD8 ⁺ Foxp3 ⁺ CD103 ⁺ regulatory T cells. <i>Journal of Molecular Cell Biology</i> , 2014, 6, 81-92.	1.5	60
33	Identification of MHC Class II and TCR Binding Residues in the Type II Collagen Immunodominant Determinant Mediating Collagen-Induced Arthritis. <i>Cellular Immunology</i> , 1996, 172, 21-28.	1.4	59
34	Therapeutic potential of TGF- β 2-induced CD4 ⁺ Foxp3 ⁺ regulatory T cells in autoimmune diseases. <i>Autoimmunity</i> , 2011, 44, 43-50.	1.2	58
35	Induced CD4 ⁺ forkhead box protein ⁺ positive T cells inhibit mast cell function and established contact hypersensitivity through TGF- β 2. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 444-452.e7.	1.5	54
36	The Mouse Model of Collagen-Induced Arthritis. , 2004, 102, 295-312.		51

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37	Generation of Glycosylated Remnant Epitopes from Human Collagen Type II by Gelatinase B. <i>Biochemistry</i> , 2004, 43, 10809-10816.	1.2	50
38	Transfer of Tolerance to Collagen Type V Suppresses T-Helper-Cell-17 Lymphocyte-Mediated Acute Lung Transplant Rejection. <i>Transplantation</i> , 2009, 88, 1341-1348.	0.5	48
39	Bone loss and aggravated autoimmune arthritis in HLA-DR ¹ ₂ -bearing humanized mice following oral challenge with <i>Porphyromonas gingivalis</i> . <i>Arthritis Research and Therapy</i> , 2016, 18, 249.	1.6	48
40	Comprehensive Mass Spectrometric Mapping of the Hydroxylated Amino Acid residues of the $\hat{1}\pm 1(V)$ Collagen Chain. <i>Journal of Biological Chemistry</i> , 2012, 287, 40598-40610.	1.6	47
41	A shift in the collagen V antigenic epitope leads to T helper phenotype switch and immune response to self-antigen leading to chronic lung allograft rejection. <i>Clinical and Experimental Immunology</i> , 2011, 167, 158-168.	1.1	47
42	Influence of telopeptides, fibrils and crosslinking on physicochemical properties of Type I collagen films. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 451-461.	1.7	43
43	Protein Kinase D1 Is Essential for the Proinflammatory Response Induced by Hypersensitivity Pneumonitis-Causing Thermophilic Actinomycetes <i>Saccharopolyspora rectivirgula</i> . <i>Journal of Immunology</i> , 2010, 184, 3145-3156.	0.4	41
44	Lung Transplant Ischemia Reperfusion Injury: Metalloprotease Inhibition Down-regulates Exposure of Type V Collagen, Growth-Related Oncogene-Induced Neutrophil Chemotaxis, and Tumor Necrosis Factor- $\hat{1}\pm$ Expression. <i>Transplantation</i> , 2008, 85, 417-426.	0.5	37
45	Type V Collagen-Induced Oral Tolerance Plus Low-Dose Cyclosporine Prevents Rejection of MHC Class I and II Incompatible Lung Allografts. <i>Journal of Immunology</i> , 2009, 183, 237-245.	0.4	35
46	TGF- $\hat{1}\pm$ -Induced CD4+Foxp3+ T Cells Attenuate Acute Graft-versus-Host Disease by Suppressing Expansion and Killing of Effector CD8+ Cells. <i>Journal of Immunology</i> , 2014, 193, 3388-3397.	0.4	35
47	Detection of Early Changes in Autoimmune T Cell Phenotype and Function Following Intravenous Administration of Type II Collagen in a TCR-Transgenic Model. <i>Journal of Immunology</i> , 2002, 168, 490-498.	0.4	34
48	Isolation of Purified and Live Foxp3+ Regulatory T Cells using FACS Sorting on Scatter Plot. <i>Journal of Molecular Cell Biology</i> , 2010, 2, 164-169.	1.5	34
49	Differential role of all-trans-retinoic acid in promoting the development of CD4+ and CD8+ regulatory T cells. <i>Journal of Leukocyte Biology</i> , 2013, 95, 275-283.	1.5	34
50	Analog peptides of type II collagen can suppress arthritis in HLA-DR4 (DRB1*0401) transgenic mice. <i>Arthritis Research and Therapy</i> , 2006, 8, R150.	1.6	33
51	Inhibition of bleomycin-induced pulmonary fibrosis through pre-treatment with collagen type V. <i>Journal of Heart and Lung Transplantation</i> , 2010, 29, 873-880.	0.3	33
52	Nucleosides from <i>Phlebotomus papatasi</i> Salivary Gland Ameliorate Murine Collagen-Induced Arthritis by Impairing Dendritic Cell Functions. <i>Journal of Immunology</i> , 2011, 187, 4347-4359.	0.4	26
53	Rodent models of rheumatoid arthritis. <i>Comparative Medicine</i> , 2005, 55, 114-22.	0.4	26
54	In Vivo Attenuation of Antibody-Mediated Acute Renal Allograft Rejection by Ex Vivo TGF- $\hat{1}\pm$ -Induced CD4+Foxp3+ Regulatory T Cells. <i>Frontiers in Immunology</i> , 2017, 8, 1334.	2.2	24

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55	mPGES1-Dependent Prostaglandin E2 (PGE2) Controls Antigen-Specific Th17 and Th1 Responses by Regulating T Autocrine and Paracrine PGE2 Production. <i>Journal of Immunology</i> , 2018, 200, 725-736.	0.4	24
56	Leukocyte-associated immunoglobulin-like receptor 1 inhibits T-cell signaling by decreasing protein phosphorylation in the T-cell signaling pathway. <i>Journal of Biological Chemistry</i> , 2020, 295, 2239-2247.	1.6	23
57	Characterisation of freeze-dried type II collagen and chondroitin sulfate scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1153-1165.	1.7	21
58	A protocol to develop T helper and Treg cells in vivo. <i>Cellular and Molecular Immunology</i> , 2017, 14, 1013-1016.	4.8	21
59	A role for Apolipoprotein A-I in the pathogenesis of multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2014, 277, 176-185.	1.1	20
60	CD80 Binding Polyproline Helical Peptide Inhibits T Cell Activation. <i>Journal of Biological Chemistry</i> , 2005, 280, 10149-10155.	1.6	19
61	6 β -Hydroxytestosterone, a Cytochrome P450 1B1-Testosterone Metabolite, Mediates Angiotensin II-Induced Renal Dysfunction in Male Mice. <i>Hypertension</i> , 2016, 67, 916-926.	1.3	19
62	20S-Hydroxyvitamin D3, a Secosteroid Produced in Humans, Is Anti-Inflammatory and Inhibits Murine Autoimmune Arthritis. <i>Frontiers in Immunology</i> , 2021, 12, 678487.	2.2	18
63	An Autoantigen-Specific, Highly Restricted T Cell Repertoire Infiltrates the Arthritic Joints of Mice in an HLA-DR1 Humanized Mouse Model of Autoimmune Arthritis. <i>Journal of Immunology</i> , 2010, 185, 110-118.	0.4	16
64	Characterization of T cell phenotype and function in a double transgenic (collagen-specific) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Tc	1.6	16
65	The Role of Leukocyte-Associated Ig-like Receptor-1 in Suppressing Collagen-Induced Arthritis. <i>Journal of Immunology</i> , 2017, 199, 2692-2700.	0.4	16
66	Suppression of immune responses in collagen-induced arthritis by a rationally designed CD80-binding peptide agent. <i>Arthritis and Rheumatism</i> , 2007, 56, 498-508.	6.7	15
67	The CII-specific autoimmune T-cell response develops in the presence of FTY720 but is regulated by enhanced Treg cells that inhibit the development of autoimmune arthritis. <i>Arthritis Research and Therapy</i> , 2016, 18, 8.	1.6	14
68	Metalloproteinase Inhibition Has Differential Effects on Alloimmunity, Autoimmunity, and Histopathology in the Transplanted Lung. <i>Transplantation</i> , 2007, 83, 799-808.	0.5	12
69	Engineered Regulatory T Cells Coexpressing MHC Class II:Peptide Complexes Are Efficient Inhibitors of Autoimmune T Cell Function and Prevent the Development of Autoimmune Arthritis. <i>Journal of Immunology</i> , 2013, 190, 5382-5391.	0.4	12
70	Cytochrome P450 1B1 Contributes to the Development of Angiotensin II-Induced Aortic Aneurysm in Male ApoE ^{-/-} Mice. <i>American Journal of Pathology</i> , 2016, 186, 2204-2219.	1.9	12
71	A self-organising biomimetic collagen/nano-hydroxyapatite-glycosaminoglycan scaffold for spinal fusion. <i>Journal of Materials Science</i> , 2017, 52, 12574-12592.	1.7	12
72	In Vivo Dual Fluorescence Imaging to Detect Joint Destruction. <i>Artificial Organs</i> , 2016, 40, 1009-1013.	1.0	10

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73	Modulation of collagen-induced arthritis by adenovirus-mediated intra-articular expression of modified collagen type II. <i>Arthritis Research and Therapy</i> , 2010, 12, R136.	1.6	9
74	1,25-Dihydroxyvitamin D3 and 20-Hydroxyvitamin D3 Upregulate LAIR-1 and Attenuate Collagen Induced Arthritis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13342.	1.8	9
75	I-A ^q and I-A ^p Bind and Present Similar Antigenic Peptides Despite Differing in their Ability to Mediate Susceptibility to Autoimmune Arthritis. <i>Autoimmunity</i> , 2001, 34, 133-145.	1.2	8
76	Collagen-Induced Arthritis Mouse Model. <i>Current Protocols</i> , 2021, 1, e313.	1.3	8
77	Characterization of inhibitory T cells induced by an analog of type II collagen in an HLA-DR1 humanized mouse model of autoimmune arthritis. <i>Arthritis Research and Therapy</i> , 2012, 14, R107.	1.6	7
78	Immunogenicity and Arthritogenicity of Recombinant CB10 in B10.RIII Mice. <i>Journal of Immunology</i> , 2000, 164, 481-487.	0.4	5
79	Efficacy of modified recombinant type II collagen in modulating autoimmune arthritis. <i>Arthritis and Rheumatism</i> , 2004, 50, 3004-3011.	6.7	5
80	Silencing S1P1 Receptors Regulates Collagen-V Reactive Lymphocyte-Mediated Immunobiology in the Transplanted Lung. <i>American Journal of Transplantation</i> , 2008, 8, 537-546.	2.6	5
81	Collagenaceous, thiol-containing proteins of cnidarian nematocysts: A comparison of the chemistry and protein distribution patterns in two types of cnidae. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1993, 106, 115-124.	0.2	4
82	T cells stimulated with an analog peptide of type II collagen require the Fc receptor γ-chain to secrete interleukin-4 and suppress autoimmune arthritis in mice. <i>Arthritis and Rheumatism</i> , 2011, 63, 2661-2670.	6.7	4
83	The role of Syk in peripheral T cells. <i>Clinical Immunology</i> , 2018, 192, 50-57.	1.4	4
84	Influence of the shared epitope on the elicitation of experimental autoimmune arthritis biomarkers. <i>PLoS ONE</i> , 2021, 16, e0250177.	1.1	4
85	Genomic locus on chromosome 1 regulates susceptibility to spontaneous arthritis in mice deficiency of IL-1RA. <i>BMC Immunology</i> , 2014, 15, 57.	0.9	3
86	A Bilayer Osteochondral Scaffold with Self-Assembled Monomeric Collagen Type I, Type II, and Polymerized Chondroitin Sulfate Promotes Chondrogenic and Osteogenic Differentiation of Mesenchymal Stem Cells. <i>Advanced NanoBiomed Research</i> , 0, , 2100089.	1.7	3
87	Pathogenesis of collagen-induced arthritis: modulation of disease by arthritogenic T-cell epitope location. <i>Immunology</i> , 2004, 113, 384-391.	2.0	2
88	Peptide ligand structure and I-A ^q binding avidity influence T cell signaling pathway utilization. <i>Clinical Immunology</i> , 2015, 160, 188-197.	1.4	2
89	Off-Target Deletion of Conditional Dbc1 Allele in the Foxp3YFP-Cre Mouse Line under Specific Setting. <i>Cells</i> , 2019, 8, 1309.	1.8	2
90	Role of Smad and non-Smad Signals in the Development of Th17 and Regulatory T Cells. <i>Clinical Immunology</i> , 2010, 135, S68.	1.4	1

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91	Characterization of the Syk-Dependent T Cell Signaling Response to an Altered Peptide. Journal of Immunology, 2016, 197, 4569-4575.	0.4	1
92	Ameliorating effects of GÅ¶6976, a pharmacological agent that inhibits protein kinase D, on collagen-induced arthritis. PLoS ONE, 2019, 14, e0226145.	1.1	1
93	OR.101. All-trans Retinoic Acid Promotes the Differentiation of iTreg Cells via Smad and Non-Smad Signaling Pathways. Clinical Immunology, 2009, 131, S41.	1.4	0
94	Isolation of Purified and Live Foxp3+ Regulatory T Cells Using FACS Sorting on Scatter Plot. Clinical Immunology, 2010, 135, S121.	1.4	0
95	48-OR: Collagen V Epitope Constraint Leading to Cytokine Switch Following Alloimmune Responses to Mismatched MHC Class I Antigens Which Induces Autoimmunity and Chronic Rejection. Human Immunology, 2010, 71, S142.	1.2	0