

Dean Sheppard

List of Publications by Year in Descending Order

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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.

106
papers

13,822
citations

53
h-index

117
g-index

149
ext. papers

15,846
ext. citations

12.3
avg, IF

6.4
L-index

#	Paper	IF	Citations
106	Obesity alters pathology and treatment response in inflammatory disease.. <i>Nature</i> , 2022 ,	50.4	6
105	Regulatory T cells promote cancer immune-escape through integrin $\alpha 8$ -mediated TGF- β activation. <i>Nature Communications</i> , 2021 , 12, 6228	17.4	6
104	Integrin $\alpha 1$ regulates collagen I tethering to modulate hyperresponsiveness in reactive airway disease models. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	1
103	Induced hepatic stellate cell integrin, $\alpha 1$, enhances cellular contractility and TGF- β activity in liver fibrosis. <i>Journal of Pathology</i> , 2021 , 253, 366-373	9.4	8
102	Integrin $\alpha 8$ on T cells suppresses anti-tumor immunity in multiple models and is a promising target for tumor immunotherapy. <i>Cell Reports</i> , 2021 , 36, 109309	10.6	7
101	Broadly conserved roles of TMEM131 family proteins in intracellular collagen assembly and secretory cargo trafficking. <i>Science Advances</i> , 2020 , 6, eaay7667	14.3	21
100	Collagen-producing lung cell atlas identifies multiple subsets with distinct localization and relevance to fibrosis. <i>Nature Communications</i> , 2020 , 11, 1920	17.4	111
99	KrasP34R and KrasT58I mutations induce distinct RASopathy phenotypes in mice. <i>JCI Insight</i> , 2020 , 5,	9.9	3
98	Lack of Flvcr2 impairs brain angiogenesis without affecting the blood-brain barrier. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4055-4068	15.9	5
97	Gli1 mesenchymal stromal cells form a pathological niche to promote airway progenitor metaplasia in the fibrotic lung. <i>Nature Cell Biology</i> , 2020 , 22, 1295-1306	23.4	20
96	Dual antagonists of $\alpha 1/\alpha 2$ integrin for airway hyperresponsiveness. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127578	2.9	1
95	Targeting acid ceramidase inhibits YAP/TAZ signaling to reduce fibrosis in mice. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	25
94	IL-17A Recruits Rab35 to IL-17R to Mediate PKC-Dependent Stress Fiber Formation and Airway Smooth Muscle Contractility. <i>Journal of Immunology</i> , 2019 , 202, 1540-1548	5.3	8
93	Impaired $\alpha 8$ and TGF- β signaling lead to microglial dysmaturation and neuromotor dysfunction. <i>Journal of Experimental Medicine</i> , 2019 , 216, 900-915	16.6	18
92	A disease-associated mutation in fibrillin-1 differentially regulates integrin-mediated cell adhesion. <i>Journal of Biological Chemistry</i> , 2019 , 294, 18232-18243	5.4	5
91	Loss of Integrin $\alpha 8$ in Murine Hepatocytes Accelerates Liver Regeneration. <i>American Journal of Pathology</i> , 2019 , 189, 258-271	5.8	5
90	$\alpha 8$ integrin serves as a novel serum tumor marker for colorectal carcinoma. <i>International Journal of Cancer</i> , 2019 , 145, 678-685	7.5	15

89	Small molecule inhibition of IRE1 kinase/RNase has anti-fibrotic effects in the lung. <i>PLoS ONE</i> , 2019 , 14, e0209824	3.7	30
88	TGF- β Signaling and Tissue Fibrosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018 , 10,	10.2	209
87	Cell division cycle 7 kinase is a negative regulator of cell-mediated collagen degradation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018 , 315, L360-L370	5.8	1
86	Arhgef12 drives IL17A-induced airway contractility and airway hyperresponsiveness in mice. <i>JCI Insight</i> , 2018 , 3,	9.9	5
85	Pharmacologic Blockade of α 1 Integrin Ameliorates Renal Failure and Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 1998-2005	12.7	39
84	Transforming growth factor- β plays divergent roles in modulating vascular remodeling, inflammation, and pulmonary fibrosis in a murine model of scleroderma. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 312, L22-L31	5.8	20
83	An Official American Thoracic Society Workshop Report: Use of Animal Models for the Preclinical Assessment of Potential Therapies for Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017 , 56, 667-679	5.7	143
82	Fra-2 negatively regulates postnatal alveolar septation by modulating myofibroblast function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 313, L878-L888	5.8	10
81	Blocking immunosuppression by human Tregs in vivo with antibodies targeting integrin α 8. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10161-E10168	11.5	60
80	Targeting integrin α 5 ameliorates severe airway hyperresponsiveness in experimental asthma. <i>Journal of Clinical Investigation</i> , 2017 , 127, 365-374	15.9	22
79	Exploring -Arylsulfonyl-L-proline Scaffold as a Platform for Potent and Selective α 5 Integrin Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 902-907	4.3	17
78	α 5 Smooth muscle actin is an inconsistent marker of fibroblasts responsible for force-dependent TGF β activation or collagen production across multiple models of organ fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L824-36	5.8	95
77	Integrin α 8 critically regulates hepatic progenitor cell function and promotes ductular reaction, fibrosis, and tumorigenesis. <i>Hepatology</i> , 2016 , 63, 217-32	11.2	72
76	Stromal cells control the epithelial residence of DCs and memory T cells by regulated activation of TGF- β <i>Nature Immunology</i> , 2016 , 17, 414-21	19.1	132
75	Critical Appraisal of the Utility and Limitations of Animal Models of Scleroderma. <i>Current Rheumatology Reports</i> , 2016 , 18, 4	4.9	10
74	An Epithelial Integrin Regulates the Amplitude of Protective Lung Interferon Responses against Multiple Respiratory Pathogens. <i>PLoS Pathogens</i> , 2016 , 12, e1005804	7.6	25
73	Pulmonary Th17 Antifungal Immunity Is Regulated by the Gut Microbiome. <i>Journal of Immunology</i> , 2016 , 197, 97-107	5.3	69
72	IgA production requires B cell interaction with subepithelial dendritic cells in Peyer's patches. <i>Science</i> , 2016 , 352, aaf4822	33.3	168

71	Adaptive Immune Regulation of Mammary Postnatal Organogenesis. <i>Developmental Cell</i> , 2015 , 34, 493-504	50.2	60
70	Unexpected Role for Adaptive Th17 Cells in Acute Respiratory Distress Syndrome. <i>Journal of Immunology</i> , 2015 , 195, 87-95	5.3	37
69	The $\alpha 5 \beta 1$ integrin plays a critical in vivo role in tissue fibrosis. <i>Science Translational Medicine</i> , 2015 , 7, 288ra79	17.5	174
68	Epithelial-mesenchymal interactions in fibrosis and repair. Transforming growth factor- β activation by epithelial cells and fibroblasts. <i>Annals of the American Thoracic Society</i> , 2015 , 12 Suppl 1, S21-3	4.7	54
67	TGF- β activation and function in immunity. <i>Annual Review of Immunology</i> , 2014 , 32, 51-82	34.7	460
66	Excessive vascular sprouting underlies cerebral hemorrhage in mice lacking $\alpha 5 \beta 1$ -TGF- β signaling in the brain. <i>Development (Cambridge)</i> , 2014 , 141, 4489-99	6.6	67
65	The cell biology of asthma. <i>Journal of Cell Biology</i> , 2014 , 205, 621-31	7.3	178
64	Innate antiviral host defense attenuates TGF- β function through IRF3-mediated suppression of Smad signaling. <i>Molecular Cell</i> , 2014 , 56, 723-37	17.6	54
63	Targeting of $\alpha 5 \beta 1$ integrin identifies a core molecular pathway that regulates fibrosis in several organs. <i>Nature Medicine</i> , 2013 , 19, 1617-24	50.5	553
62	Therapy for fibrotic diseases: nearing the starting line. <i>Science Translational Medicine</i> , 2013 , 5, 167sr1	17.5	459
61	Integrin-mediated regulation of TGF- β in fibrosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 891-6	6.9	127
60	ROCKing pulmonary fibrosis. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1005-6	15.9	4
59	Epithelial cells utilize cortical actin/myosin to activate latent TGF- β through integrin $\alpha 5 \beta 1$ -dependent physical force. <i>Experimental Cell Research</i> , 2012 , 318, 716-22	4.2	78
58	Calcium-activated chloride channel TMEM16A modulates mucin secretion and airway smooth muscle contraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 16354-9	11.5	235
57	Modulation of acute lung injury by integrins. <i>Proceedings of the American Thoracic Society</i> , 2012 , 9, 126-9		14
56	Absence of integrin $\alpha 5 \beta 1$ enhances vascular leak in mice by inhibiting endothelial cortical actin formation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 185, 58-66	10.2	65
55	IL-17A produced by Th17 cells drives airway hyper-responsiveness in mice and enhances mouse and human airway smooth muscle contraction. <i>Nature Medicine</i> , 2012 , 18, 547-54	50.5	335
54	The $\alpha 5 \beta 1$ integrin modulates airway hyperresponsiveness in mice by regulating intraepithelial mast cells. <i>Journal of Clinical Investigation</i> , 2012 , 122, 748-58	15.9	53

53	Integrin $\alpha 5$ in airway smooth muscle suppresses exaggerated airway narrowing. <i>Journal of Clinical Investigation</i> , 2012 , 122, 2916-27	15.9	36
52	Cross talk among TGF- β signaling pathways, integrins, and the extracellular matrix. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3, a005017	10.2	227
51	Integrin $\alpha 5$ -mediated TGF- β activation by airway smooth muscle cells in asthma. <i>Journal of Immunology</i> , 2011 , 187, 6094-107	5.3	100
50	Blocking TGF- β via Inhibition of the $\alpha 5$ Integrin: A Possible Therapy for Systemic Sclerosis Interstitial Lung Disease. <i>International Journal of Rheumatology</i> , 2011 , 2011, 208219	2	24
49	Expression of $\alpha 5$ integrin on dendritic cells regulates Th17 cell development and experimental autoimmune encephalomyelitis in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 4436-44	15.9	101
48	HMGB1 accelerates alveolar epithelial repair via an IL-1 β -dependent activation of TGF- β by the $\alpha 5$ integrin.. <i>FASEB Journal</i> , 2010 , 24, 612.13	0.9	
47	Lysophosphatidic acid induces $\alpha 5$ integrin-mediated TGF- β activation via the LPA2 receptor and the small G protein G α (q). <i>American Journal of Pathology</i> , 2009 , 174, 1264-79	5.8	157
46	Interleukin-1 β causes acute lung injury via $\alpha 5$ and $\alpha 6$ integrin-dependent mechanisms. <i>Circulation Research</i> , 2008 , 102, 804-12	15.7	173
45	Partial inhibition of integrin α (v) β 6 prevents pulmonary fibrosis without exacerbating inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 177, 56-65	10.2	315
44	Identification and molecular characterization of multiple phenotypes in integrin knockout mice. <i>Methods in Enzymology</i> , 2007 , 426, 291-305	1.7	17
43	Loss of integrin α (v) β 8 on dendritic cells causes autoimmunity and colitis in mice. <i>Nature</i> , 2007 , 449, 361-5	50.4	410
42	Integrin α 5 regulates lung vascular permeability and pulmonary endothelial barrier function. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007 , 36, 377-86	5.7	108
41	$\alpha 6$ integrin regulates renal fibrosis and inflammation in Alport mouse. <i>American Journal of Pathology</i> , 2007 , 170, 110-25	5.8	152
40	Squamous metaplasia amplifies pathologic epithelial-mesenchymal interactions in COPD patients. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3551-62	15.9	182
39	Transforming growth factor beta: a central modulator of pulmonary and airway inflammation and fibrosis. <i>Proceedings of the American Thoracic Society</i> , 2006 , 3, 413-7		228
38	ADAM33 is not essential for growth and development and does not modulate allergic asthma in mice. <i>Molecular and Cellular Biology</i> , 2006 , 26, 6950-6	4.8	54
37	Alveolar epithelial cell mesenchymal transition develops in vivo during pulmonary fibrosis and is regulated by the extracellular matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13180-5	11.5	971
36	Ligation of protease-activated receptor 1 enhances α (v) β 6 integrin-dependent TGF- β activation and promotes acute lung injury. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1606-14	15.9	240

35	Mice lacking the integrin beta5 subunit have accelerated osteoclast maturation and increased activity in the estrogen-deficient state. <i>Journal of Bone and Mineral Research</i> , 2005 , 20, 58-66	6.3	26
34	Integrin-mediated activation of latent transforming growth factor beta. <i>Cancer and Metastasis Reviews</i> , 2005 , 24, 395-402	9.6	157
33	Mice Lacking the Integrin 5 Subunit Have Accelerated Osteoclast Maturation and Increased Activity in the Estrogen-Deficient State. <i>Journal of Bone and Mineral Research</i> , 2005 , 20, 58-66	6.3	46
32	Spermidine/spermine N1-acetyltransferase specifically binds to the integrin alpha9 subunit cytoplasmic domain and enhances cell migration. <i>Journal of Cell Biology</i> , 2004 , 167, 161-70	7.3	48
31	Function-blocking integrin alphavbeta6 monoclonal antibodies: distinct ligand-mimetic and nonligand-mimetic classes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 17875-87	5.4	118
30	Loss of synchronized retinal phagocytosis and age-related blindness in mice lacking alphavbeta5 integrin. <i>Journal of Experimental Medicine</i> , 2004 , 200, 1539-45	16.6	250
29	Roles of alphav integrins in vascular biology and pulmonary pathology. <i>Current Opinion in Cell Biology</i> , 2004 , 16, 552-7	9	79
28	Loss of integrin alpha(v)beta6-mediated TGF-beta activation causes Mmp12-dependent emphysema. <i>Nature</i> , 2003 , 422, 169-73	50.4	408
27	Transforming growth factor-beta-dependent and -independent pathways of induction of tubulointerstitial fibrosis in beta6(-/-) mice. <i>American Journal of Pathology</i> , 2003 , 163, 1261-73	5.8	189
26	Transforming growth factor-beta1 decreases expression of the epithelial sodium channel alphaENaC and alveolar epithelial vectorial sodium and fluid transport via an ERK1/2-dependent mechanism. <i>Journal of Biological Chemistry</i> , 2003 , 278, 43939-50	5.4	128
25	Direct effects of interleukin-13 on epithelial cells cause airway hyperreactivity and mucus overproduction in asthma. <i>Nature Medicine</i> , 2002 , 8, 885-9	50.5	726
24	The integrin alpha(v)beta8 mediates epithelial homeostasis through MT1-MMP-dependent activation of TGF-beta1. <i>Journal of Cell Biology</i> , 2002 , 157, 493-507	7.3	579
23	Roger S. Mitchell lecture. Uses of expression microarrays in studies of pulmonary fibrosis, asthma, acute lung injury, and emphysema. <i>Chest</i> , 2002 , 121, 21S-25S	5.3	14
22	Src-mediated coupling of focal adhesion kinase to integrin alpha(v)beta5 in vascular endothelial growth factor signaling. <i>Journal of Cell Biology</i> , 2002 , 157, 149-60	7.3	296
21	Enteric expression of the integrin alpha(v)beta(6) is essential for nematode-induced mucosal mast cell hyperplasia and expression of the granule chymase, mouse mast cell protease-1. <i>American Journal of Pathology</i> , 2002 , 161, 771-9	5.8	46
20	Endothelial integrins and angiogenesis: not so simple anymore. <i>Journal of Clinical Investigation</i> , 2002 , 110, 913-4	15.9	13
19	Expression of the beta6 integrin subunit is associated with sites of neutrophil influx in lung epithelium. <i>Journal of Histochemistry and Cytochemistry</i> , 2001 , 49, 41-8	3.4	19
18	TGF-beta is a critical mediator of acute lung injury. <i>Journal of Clinical Investigation</i> , 2001 , 107, 1537-44	15.9	374

17	Normal development, wound healing, and adenovirus susceptibility in beta5-deficient mice. <i>Molecular and Cellular Biology</i> , 2000 , 20, 755-9	4.8	189
16	The Epithelial Integrin $\alpha 8$ Is a Receptor for Foot-and-Mouth Disease Virus. <i>Journal of Virology</i> , 2000 , 74, 4949-4956	6.6	6
15	The integrin alpha v beta 6 binds and activates latent TGF beta 1: a mechanism for regulating pulmonary inflammation and fibrosis. <i>Cell</i> , 1999 , 96, 319-28	56.2	1631
14	Expression of the alpha9beta1 integrin in human colonic epithelial cells: resurgence of the fetal phenotype in a subset of colon cancers and adenocarcinoma cell lines. <i>International Journal of Cancer</i> , 1998 , 75, 738-43	7.5	29
13	Regulated expression of the integrin $\alpha 9$ in the epithelium of the developing human gut and in intestinal cell lines: Relation with cell proliferation. <i>Journal of Cellular Biochemistry</i> , 1998 , 71, 536-545	4.7	26
12	A novel peptide, PLAIEDGIELTY, for the targeting of alpha9beta1-integrins. <i>FEBS Letters</i> , 1998 , 429, 269-73	7.3	23
11	Expression of the human integrin beta6 subunit in alveolar type II cells and bronchiolar epithelial cells reverses lung inflammation in beta6 knockout mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998 , 19, 636-42	5.7	69
10	Stromal fibroblasts influence oral squamous-cell carcinoma cell interactions with tenascin-C. <i>International Journal of Cancer</i> , 1997 , 72, 369-76	7.5	53
9	Stromal fibroblasts influence oral squamous-cell carcinoma cell interactions with tenascin-C 1997 , 72, 369		1
8	Differential effects of the integrins alpha9beta1, alphavbeta3, and alphavbeta6 on cell proliferative responses to tenascin. Roles of the beta subunit extracellular and cytoplasmic domains. <i>Journal of Biological Chemistry</i> , 1996 , 271, 24144-50	5.4	114
7	Distinct structural requirements for interaction of the integrins alpha 5 beta 1, alpha v beta 5, and alpha v beta 6 with the central cell binding domain in fibronectin. <i>Cell Adhesion and Communication</i> , 1996 , 4, 237-50		24
6	The human integrin alpha 8 beta 1 functions as a receptor for tenascin, fibronectin, and vitronectin. <i>Journal of Biological Chemistry</i> , 1995 , 270, 23196-202	5.4	173
5	Expression of the integrin subunit alpha 9 in the murine embryo. <i>Developmental Dynamics</i> , 1995 , 204, 421-31	2.9	36
4	Integrin Receptors for Extracellular Matrix with Special Reference to Tenascin.. <i>Trends in Glycoscience and Glycotechnology</i> , 1995 , 7, 417-427	0.1	2
3	Effects of beta subunit cytoplasmic domain deletions on the recruitment of the integrin alpha v beta 6 to focal contacts. <i>Cell Adhesion and Communication</i> , 1994 , 2, 101-13		23
2	Epithelial Adhesive Structures and Adhesion Molecule Expression		27-56
1	Integrin $\alpha 8$ on T cells is responsible for suppression of anti-tumor immunity in multiple syngeneic models and is a promising target for tumor immunotherapy		3