

# Robin J Meanulty

## List of Publications by Year in descending order

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117  
papers

9,149  
citations

34105

52  
h-index

39675

94  
g-index

119  
all docs

119  
docs citations

119  
times ranked

8606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fibroproliferation Occurs Early in the Acute Respiratory Distress Syndrome and Impacts on Outcome. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 1783-1788.	5.6	835
2	Angiotensin Converting Enzyme Insertion/Deletion Polymorphism Is Associated with Susceptibility and Outcome in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 646-650.	5.6	511
3	Fibroblasts and myofibroblasts: Their source, function and role in disease. International Journal of Biochemistry and Cell Biology, 2007, 39, 666-671.	2.8	366
4	Common Promoter Variant in Cyclooxygenase-2 Represses Gene Expression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 1631-1636.	2.4	312
5	Angiotensin II and the fibroproliferative response to acute lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L156-L164.	2.9	268
6	Mast cell tryptase stimulates human lung fibroblast proliferation via protease-activated receptor-2. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L193-L201.	2.9	250
7	Cyclooxygenase-2 Deficiency Results in a Loss of the Anti-Proliferative Response to Transforming Growth Factor- $\beta$ 2 in Human Fibrotic Lung Fibroblasts and Promotes Bleomycin-Induced Pulmonary Fibrosis in Mice. American Journal of Pathology, 2001, 158, 1411-1422.	3.8	236
8	Genetic variants associated with susceptibility to idiopathic pulmonary fibrosis in people of European ancestry: a genome-wide association study. Lancet Respiratory Medicine, 2017, 5, 869-880.	10.7	233
9	Genome-Wide Association Study of Susceptibility to Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 564-574.	5.6	208
10	Transforming growth factors-beta 1, -beta 2, and -beta 3 stimulate fibroblast procollagen production in vitro but are differentially expressed during bleomycin-induced lung fibrosis. American Journal of Pathology, 1997, 150, 981-91.	3.8	200
11	Lysophosphatidic Acid Induces $\alpha$ 2 $\beta$ 1 Integrin-Mediated TGF- $\beta$ 2 Activation via the LPA2 Receptor and the Small G Protein G $\alpha$ q. American Journal of Pathology, 2009, 174, 1264-1279.	3.8	192
12	Angiotensin II Is Mitogenic for Human Lung Fibroblasts via Activation of the Type 1 Receptor. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 1999-2004.	5.6	186
13	Age-related changes in collagen synthesis and degradation in rat tissues. Importance of degradation of newly synthesized collagen in regulating collagen production. Biochemical Journal, 1991, 276, 307-313.	3.7	180
14	Direct Thrombin Inhibition Reduces Lung Collagen, Accumulation, and Connective Tissue Growth Factor mRNA Levels in Bleomycin-Induced Pulmonary Fibrosis. American Journal of Pathology, 2001, 159, 1383-1395.	3.8	176
15	Diminished Prostaglandin E <sub>2</sub> Contributes to the Apoptosis Paradox in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 73-82.	5.6	170
16	Thrombin stimulates fibroblast procollagen production via proteolytic activation of protease-activated receptor 1. Biochemical Journal, 1998, 333, 121-127.	3.7	155
17	Exploration of a potent PI3 kinase/mTOR inhibitor as a novel anti-fibrotic agent in IPF. Thorax, 2016, 71, 701-711.	5.6	153
18	Inverse Effects of Interleukin-6 on Apoptosis of Fibroblasts from Pulmonary Fibrosis and Normal Lungs. American Journal of Respiratory Cell and Molecular Biology, 2003, 29, 490-498.	2.9	150

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19	Role of thrombin in pulmonary fibrosis. <i>Lancet, The</i> , 1995, 346, 1071-1073.	13.7	148
20	A simplified method for quantitation of the relative amounts of type I and type III collagen in small tissue samples. <i>Analytical Biochemistry</i> , 1981, 113, 301-312.	2.4	142
21	Fibroblasts Isolated from Normal Lungs and Those with Idiopathic Pulmonary Fibrosis Differ in Interleukin-6/gp130-Mediated Cell Signaling and Proliferation. <i>American Journal of Pathology</i> , 2003, 163, 345-354.	3.8	142
22	Collagen Synthesis and Degradation In Vivo. Evidence for Rapid Rates of Collagen Turnover with Extensive Degradation of Newly Synthesized Collagen in Tissues of the Adult Rat. <i>Collagen and Related Research</i> , 1987, 7, 93-104.	2.0	137
23	Genetic partitioning of interleukin-6 signalling in mice dissociates Stat3 from Smad3-mediated lung fibrosis. <i>EMBO Molecular Medicine</i> , 2012, 4, 939-951.	6.9	128
24	Increased levels of endothelin-1 in bronchoalveolar lavage fluid from patients with systemic sclerosis contribute to fibroblast mitogenic activity in vitro.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1994, 11, 439-445.	2.9	127
25	Immunohistochemical localization of transforming growth factor- $\beta$ 1 in the lungs of patients with systemic sclerosis, cryptogenic fibrosing alveolitis and other lung disorders. <i>Histopathology</i> , 1994, 24, 145-150.	2.9	113
26	Severity of Lung Injury in Cyclooxygenase-2-Deficient Mice Is Dependent on Reduced Prostaglandin E2 Production. <i>American Journal of Pathology</i> , 2004, 165, 1663-1676.	3.8	111
27	Pulmonary Epithelium Is a Prominent Source of Proteinase-activated Receptor-1-inducible CCL2 in Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 414-425.	5.6	111
28	Indomethacin suppresses the anti-proliferative effects of transforming growth factor- $\beta$ 2 isoforms on fibroblast cell cultures. <i>Biochemical Journal</i> , 1997, 321, 639-643.	3.7	110
29	Protein Metabolism during Bleomycin-induced Pulmonary Fibrosis in Rabbits. <i>The American Review of Respiratory Disease</i> , 1983, 128, 82-88.	2.9	104
30	STAT3-Mediated Signaling Dysregulates Lung Fibroblast-Myofibroblast Activation and Differentiation in UIP/IPF. <i>American Journal of Pathology</i> , 2012, 180, 1398-1412.	3.8	103
31	Localisation of transforming growth factor beta1 and beta3 mRNA transcripts in normal and fibrotic human lung. <i>Thorax</i> , 2001, 56, 549-556.	5.6	97
32	TGF- $\beta$ : Its Role in Asthma and Therapeutic Potential. <i>Current Drug Targets</i> , 2006, 7, 547-565.	2.1	97
33	The pathogenesis of pulmonary fibrosis: Is there a fibrosis gene?. <i>International Journal of Biochemistry and Cell Biology</i> , 1997, 29, 107-120.	2.8	96
34	Comparison of the morphological and biochemical changes in normal human lung fibroblasts and fibroblasts derived from lungs of patients with idiopathic pulmonary fibrosis during FasL-induced apoptosis. <i>Journal of Pathology</i> , 2004, 202, 486-495.	4.5	95
35	Macrophage Recognition and Phagocytosis of Apoptotic Fibroblasts Is Critically Dependent on Fibroblast-Derived Thrombospondin 1 and CD36. <i>American Journal of Pathology</i> , 2003, 162, 771-779.	3.8	93
36	Increased Endothelin-1 and Its Localization during the Development of Bleomycin-induced Pulmonary Fibrosis in Rats. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 18, 611-619.	2.9	89

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37	Diverse cellular TGF- $\beta$ <sub>1</sub> and TGF- $\beta$ <sub>3</sub> gene expression in normal human and murine lung. <i>European Respiratory Journal</i> , 1996, 9, 2501-2507.	6.7	86
38	An integrin-targeted non-viral vector for pulmonary gene therapy. <i>Gene Therapy</i> , 2000, 7, 393-400.	4.5	85
39	Oncostatin M stimulates proliferation, induces collagen production and inhibits apoptosis of human lung fibroblasts. <i>British Journal of Pharmacology</i> , 2002, 136, 793-801.	5.4	85
40	TGF- $\beta$ Isoform Specific Regulation of Airway Inflammation and Remodelling in a Murine Model of Asthma. <i>PLoS ONE</i> , 2010, 5, e9674.	2.5	71
41	The effect of transforming growth factor $\beta$ on rates of procollagen synthesis and degradation in vitro. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1991, 1091, 231-235.	4.1	70
42	The radiographic detection of acute pulmonary oedema. A comparison of radiographic appearances, densitometry and lung water in dogs. <i>British Journal of Radiology</i> , 1981, 54, 277-288.	2.2	69
43	Thrombin Stimulates Smooth Muscle Cell Procollagen Synthesis and mRNA Levels via a PAR-1 Mediated Mechanism. <i>Thrombosis and Haemostasis</i> , 1998, 79, 405-409.	3.4	69
44	Insulin-like Growth Factor-1 is Partially Responsible for Fibroblast Proliferation Induced by Bronchoalveolar Lavage Fluid from Patients with Systemic Sclerosis. <i>Clinical Science</i> , 1994, 86, 141-148.	4.3	64
45	Epigenetic regulation of cyclooxygenase-2 by methylation of c8orf44 in pulmonary fibrosis. <i>Clinical Science</i> , 2016, 130, 575-586.	4.3	64
46	Regulation of matrix turnover: fibroblasts, forces, factors and fibrosis. <i>Biochemical Society Transactions</i> , 2007, 35, 647-651.	3.4	62
47	Biochemical and histological changes in pulmonary fibrosis induced in rabbits with intratracheal bleomycin. <i>European Journal of Clinical Investigation</i> , 1981, 11, 441-448.	3.4	61
48	Application of high-pressure liquid chromatography to studies of collagen production by isolated cells in culture. <i>Analytical Biochemistry</i> , 1990, 186, 257-263.	2.4	59
49	A Receptor-targeted Nanocomplex Vector System Optimized for Respiratory Gene Transfer. <i>Molecular Therapy</i> , 2008, 16, 907-915.	8.2	59
50	Effect of Endothelin Receptor Antagonists (BQ-485, Ro 47-0203) on Collagen Deposition During the Development of Bleomycin-Induced Pulmonary Fibrosis in Rats. <i>Pulmonary Pharmacology and Therapeutics</i> , 1998, 11, 221-225.	2.6	58
51	Caffeine inhibits TGF $\beta$ activation in epithelial cells, interrupts fibroblast responses to TGF $\beta$ , and reduces established fibrosis in <i>ex vivo</i> precision-cut lung slices. <i>Thorax</i> , 2016, 71, 565-567.	5.6	55
52	Functional Prostaglandin-Endoperoxide Synthase 2 Polymorphism Predicts Poor Outcome in Sarcoidosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 915-922.	5.6	54
53	Short course dexamethasone treatment following injury inhibits bleomycin induced fibrosis in rats. <i>Thorax</i> , 2003, 58, 765-771.	5.6	53
54	Regulation of fibroblast procollagen production. Transforming growth factor- $\beta$ 1 induces prostaglandin E2 but not procollagen synthesis via a pertussis toxin-sensitive G-protein. <i>Biochemical Journal</i> , 1995, 307, 63-68.	3.7	51

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55	Delivery of ENaC siRNA to epithelial cells mediated by a targeted nanocomplex: a therapeutic strategy for cystic fibrosis. <i>Scientific Reports</i> , 2017, 7, 700.	3.3	51
56	Minicircle DNA Provides Enhanced and Prolonged Transgene Expression Following Airway Gene Transfer. <i>Scientific Reports</i> , 2016, 6, 23125.	3.3	50
57	Effective silencing of ENaC by siRNA delivered with epithelial-targeted nanocomplexes in human cystic fibrosis cells and in mouse lung. <i>Thorax</i> , 2018, 73, 847-856.	5.6	50
58	Age-related Changes in Lung Collagen Metabolism: A Role for Degradation in Regulating Lung Collagen Production. <i>The American Review of Respiratory Disease</i> , 1989, 140, 410-416.	2.9	47
59	Attenuation of bleomycin induced pulmonary fibrosis in mice using the heme oxygenase inhibitor Zn-deuteroporphyrin IX-2,4-bisethylene glycol. <i>Thorax</i> , 2004, 59, 217-223.	5.6	47
60	Evaluation of a porcine model for pulmonary gene transfer using a novel synthetic vector. <i>Journal of Gene Medicine</i> , 2002, 4, 438-446.	2.8	44
61	Changes in collagen metabolism in response to endothelin-1: Evidence for fibroblast heterogeneity. <i>International Journal of Biochemistry and Cell Biology</i> , 1996, 28, 229-238.	2.8	43
62	Escape from the Matrix: Multiple Mechanisms for Fibroblast Activation in Pulmonary Fibrosis. <i>Proceedings of the American Thoracic Society</i> , 2008, 5, 311-315.	3.5	42
63	Characterization of murine pregnancy decidua transforming growth factor beta. I. Transforming growth factor beta 2-like molecules of unusual molecular size released in bioactive form. <i>Biology of Reproduction</i> , 1995, 52, 1380-1388.	2.7	37
64	Quantification of collagen and proteoglycan deposition in a murine model of airway remodelling. <i>Respiratory Research</i> , 2005, 6, 30.	3.6	36
65	Enhanced type III collagen gene expression during bleomycin induced lung fibrosis.. <i>Thorax</i> , 1993, 48, 622-628.	5.6	35
66	Methods for Measuring Hydroxyproline and Estimating In Vivo Rates of Collagen Synthesis and Degradation. , 2005, 117, 189-207.		35
67	Nebulisation of Receptor-Targeted Nanocomplexes for Gene Delivery to the Airway Epithelium. <i>PLoS ONE</i> , 2011, 6, e26768.	2.5	35
68	Oxygen-dependent Protection of Radiation Lung Damage in Mice by WR 2721. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1984, 46, 597-607.	1.0	32
69	Increased collagen production in fibroblasts cultured from irradiated skin and effect of TGF $\beta$ 1 clinical study. <i>British Journal of Cancer</i> , 2000, 83, 650-654.	6.4	32
70	Evidence for protein oedema, neutrophil influx, and enhanced collagen production in lungs of patients with systemic sclerosis.. <i>Thorax</i> , 1990, 45, 606-610.	5.6	31
71	Age-related changes in rates of protein synthesis and degradation in rat tissues. <i>Mechanisms of Ageing and Development</i> , 1991, 59, 229-241.	4.6	31
72	Formation of LID vector complexes in water alters physicochemical properties and enhances pulmonary gene expression in vivo. <i>Gene Therapy</i> , 2003, 10, 1026-1034.	4.5	27

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73	Efficient transfection of non-proliferating human airway epithelial cells with a synthetic vector system. <i>Journal of Gene Medicine</i> , 2004, 6, 210-221.	2.8	26
74	Procollagen type I gene expression and cell proliferation are increased in lipodermatosclerosis. <i>British Journal of Dermatology</i> , 2005, 152, 242-249.	1.5	26
75	Transcriptome analysis of IPF fibroblastic foci identifies key pathways involved in fibrogenesis. <i>Thorax</i> , 2021, 76, 73-82.	5.6	25
76	Growth factor activity in the lung during compensatory growth after pneumonectomy: evidence of a role for IGF-1. <i>European Respiratory Journal</i> , 1992, 5, 739-47.	6.7	25
77	Collagen Synthesis and Degradation by Systemic Sclerosis Lung Fibroblasts. <i>Chest</i> , 1991, 99, 71S-72S.	0.8	24
78	Prostanoid EP2 Receptors Are Up-Regulated in Human Pulmonary Arterial Hypertension: A Key Anti-Proliferative Target for Treprostinil in Smooth Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2372.	4.1	24
79	Analysis and Optimization of the Cationic Lipid Component of a Lipid/Peptide Vector Formulation for Enhanced Transfection In Vitro and In Vivo. <i>Journal of Liposome Research</i> , 2006, 16, 373-389.	3.3	22
80	Diverse functions of clusterin promote and protect against the development of pulmonary fibrosis. <i>Scientific Reports</i> , 2018, 8, 1906.	3.3	21
81	Inhibition of neointimal hyperplasia in a rabbit vein graft model following non-viral transfection with human iNOS cDNA. <i>Gene Therapy</i> , 2013, 20, 979-986.	4.5	20
82	Long-term Changes in Mouse Lung Following Inhalation of a Fibrosis-inducing Dose of $^{239}\text{PuO}_2$ : Changes in Collagen Synthesis and Degradation Rates. <i>International Journal of Radiation Biology</i> , 1991, 59, 229-238.	1.8	19
83	Age-related changes in total protein and collagen metabolism in rat liver. <i>Hepatology</i> , 1991, 14, 1224-1229.	7.3	18
84	Increased type I procollagen mRNA transcripts in the lungs of mice during the development of bleomycin-induced fibrosis. <i>European Respiratory Journal</i> , 1994, 7, 1938-43.	6.7	16
85	Changes in Lung Volume, Perfusion, Ventilation and Airway Diameter in Dogs with Pulmonary Oedema. <i>Clinical Science</i> , 1980, 59, 93-103.	4.3	15
86	Anomalous tritium loss in the measurement of tissue hydroxy-[5-3H]proline specific activity following chloramine-T oxidation. <i>Analytical Biochemistry</i> , 1982, 123, 223-228.	2.4	15
87	Airway Deposition of Nebulized Gene Delivery Nanocomplexes Monitored by Radioimaging Agents. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 471-480.	2.9	15
88	Cadmium selectively inhibits fibroblast procollagen production and proliferation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1994, 267, L300-L308.	2.9	14
89	Age-related alterations in collagen and total protein metabolism determined in cultured rat dermal fibroblasts: Age-related trends parallel those observed in rat skin in vivo. <i>International Journal of Biochemistry and Cell Biology</i> , 1995, 27, 937-945.	2.8	14
90	Fibroblast mitogens in bronchoalveolar lavage (BAL) fluid from asbestos-exposed subjects with and without clinical evidence of asbestosis: no evidence for the role of PDGF, TNF- $\alpha$ , IGF-1, or IL-1 $\beta$ . , 1998, 185, 199-203.		13

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91	Cyclooxygenase-2 Overexpression, Using an Integrin-Targeted Gene Delivery System (the LID Vector), Inhibits Fibroblast Proliferation In Vitro and Leads to Increased Prostaglandin E2 in the Lung. Chest, 2002, 121, 102S-104S.	0.8	13
92	TGF-beta antibodies: a novel treatment for pulmonary fibrosis?. Thorax, 1993, 48, 953-954.	5.6	11
93	Models and approaches to understand the role of airway remodelling in disease. Pulmonary Pharmacology and Therapeutics, 2011, 24, 478-486.	2.6	10
94	Similar age-related alterations in collagen metabolism in rat tissues <i>in vivo</i> and fibroblasts <i>in vitro</i> . Biochemical Society Transactions, 1990, 18, 957-957.	3.4	8
95	Bleomycin-Induced Lung Injury in the Rat: Effects of the Platelet-Activating Factor (PAF) Receptor Antagonist BN 52021 and Platelet Depletion. Environmental Health Perspectives, 1990, 85, 65.	6.0	8
96	Biophysical characterization of an integrin-targeted non-viral vector. Medical Science Monitor, 2003, 9, BR54-61.	1.1	8
97	A novel transforming growth factor $\beta$ 2 antisense transcript in mammalian lung. Biochemical Journal, 1998, 332, 297-301.	3.7	6
98	Evaluation of experimental models of idiopathic pulmonary fibrosis. Drug Discovery Today: Disease Models, 2004, 1, 329-336.	1.2	6
99	Inhibition of collagen production delays malignant mesothelioma tumor growth in a murine model. Biochemical and Biophysical Research Communications, 2019, 510, 198-204.	2.1	6
100	Increased Expression of Platelet-Derived Growth Factor Receptor- $\beta$ in Airway Fibroblasts of Severe Asthmatics. Chest, 2003, 123, 428S-429S.	0.8	4
101	Measurement of fibroblast collagen synthesis and degradation by reverse-phase high-pressure liquid chromatography. Biochemical Society Transactions, 1989, 17, 1127-1128.	3.4	3
102	Fibroblasts. , 2002, , 139-144.		3
103	Age-related changes in heart collagen metabolism. Biochemical Society Transactions, 1988, 16, 749-750.	3.4	1
104	Fibroblasts and myofibroblasts. , 2000, , 159-198.		1
105	T3 Tissue inhibitor of metalloproteinase-3 (TIMP3) protects against inflammatory processes in Interstitial Lung Disease (ILD). Thorax, 2010, 65, A1-A2.	5.6	1
106	Reduced SOCS1 Expression in Lung Fibroblasts from Patients with IPF Is Not Mediated by Promoter Methylation or Mir155. Biomedicines, 2021, 9, 498.	3.2	1
107	LSC Abstract " Investigating SOCS-mediated regulation of STAT signalling in idiopathic pulmonary fibrosis (IPF). , 2016, , .		1
108	Regulation of procollagen genes. From forces to factors. Journal of Chemical Sciences, 1999, 111, 291.	1.5	1

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109	Evidence <i>in vivo</i> for rapid and extensive degradation of newly synthesized collagen in tissues of adult rats. <i>Biochemical Society Transactions</i> , 1986, 14, 776-777.	3.4	0
110	Corticosterone selectively decreases collagen synthesis but does not affect the proportion of newly synthesized collagen degraded. <i>Biochemical Society Transactions</i> , 1986, 14, 1178-1178.	3.4	0
111	Collagen metabolism in mice with <sup>239</sup> PuO <sub>2</sub> -induced pulmonary fibrosis. <i>Biochemical Society Transactions</i> , 1987, 15, 690-690.	3.4	0
112	Collagen metabolism during compensatory lung growth after partial pneumonectomy. <i>Biochemical Society Transactions</i> , 1987, 15, 1180-1181.	3.4	0
113	696. Development of Lipid/Peptide (Lip/Tide) Vectors for Respiratory Gene Transfer. <i>Molecular Therapy</i> , 2006, 13, S269-S270.	8.2	0
114	Interleukin (IL)-6 And IL-11 Depletion Attenuates Bleomycin-Induced Murine Lung Fibrosis. , 2011, , .		0
115	S66...Caffeine Inhibits TGF $\beta$ 2 Activation by Epithelial Cells, Interrupts Fibroblast Responses to TGF $\beta$ 2, and Reduces Pulmonary Fibrosis in <i>Ex Vivo</i> Precision-cut Lung Slices. <i>Thorax</i> , 2015, 70, A39.2-A40.	5.6	0
116	P50...Localisation of the glycolytic isozyme, pyruvate kinase m2 in the lung of idiopathic pulmonary fibrosis. , 2017, , .		0
117	Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2) Family of Molecule. , 2022, , 308-313.		0