

Carol A Feghali-Bostwick

List of Publications by Year in descending order

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104
papers

5,839
citations

87843

38
h-index

79644

73
g-index

104
all docs

104
docs citations

104
times ranked

8164
citing authors

#	ARTICLE	IF	CITATIONS
1	Fibroblasts in fibrosis: novel roles and mediators. <i>Frontiers in Pharmacology</i> , 2014, 5, 123.	1.6	730
2	Mechanosignaling through YAP and TAZ drives fibroblast activation and fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L344-L357.	1.3	570
3	Analysis of systemic sclerosis in twins reveals low concordance for disease and high concordance for the presence of antinuclear antibodies. <i>Arthritis and Rheumatism</i> , 2003, 48, 1956-1963.	6.7	262
4	Insulin-Like Growth Factor Binding Proteins 3 and 5 Are Overexpressed in Idiopathic Pulmonary Fibrosis and Contribute to Extracellular Matrix Deposition. <i>American Journal of Pathology</i> , 2005, 166, 399-407.	1.9	217
5	Lung tissues in patients with systemic sclerosis have gene expression patterns unique to pulmonary fibrosis and pulmonary hypertension. <i>Arthritis and Rheumatism</i> , 2011, 63, 783-794.	6.7	208
6	Tenascin-C drives persistence of organ fibrosis. <i>Nature Communications</i> , 2016, 7, 11703.	5.8	204
7	Review: Interstitial Lung Disease Associated With Systemic Sclerosis and Idiopathic Pulmonary Fibrosis: How Similar and Distinct?. <i>Arthritis and Rheumatology</i> , 2014, 66, 1967-1978.	2.9	162
8	Pulmonary involvement in systemic sclerosis: Associations with genetic, serologic, sociodemographic, and behavioral factors. <i>Arthritis and Rheumatism</i> , 2007, 57, 318-326.	6.7	161
9	Cellular and Humoral Autoreactivity in Idiopathic Pulmonary Fibrosis. <i>Journal of Immunology</i> , 2007, 179, 2592-2599.	0.4	150
10	Extracellular Mitochondrial DNA Is Generated by Fibroblasts and Predicts Death in Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1571-1581.	2.5	140
11	A Peptide Derived from Endostatin Ameliorates Organ Fibrosis. <i>Science Translational Medicine</i> , 2012, 4, 136ra71.	5.8	108
12	Mir-155 is overexpressed in systemic sclerosis fibroblasts and is required for NLRP3 inflammasome-mediated collagen synthesis during fibrosis. <i>Arthritis Research and Therapy</i> , 2017, 19, 144.	1.6	106
13	miR-155 in the progression of lung fibrosis in systemic sclerosis. <i>Arthritis Research and Therapy</i> , 2016, 18, 155.	1.6	96
14	Insulin-Like Growth Factor-Binding Protein-5 Induces Pulmonary Fibrosis and Triggers Mononuclear Cellular Infiltration. <i>American Journal of Pathology</i> , 2006, 169, 1633-1642.	1.9	92
15	Endothelial Cells Expressing Endothelial and Mesenchymal Cell Gene Products in Lung Tissue From Patients With Systemic Sclerosisâ€”Associated Interstitial Lung Disease. <i>Arthritis and Rheumatology</i> , 2016, 68, 210-217.	2.9	91
16	A central role for G9a and EZH2 in the epigenetic silencing of cyclooxygenaseâ€”2 in idiopathic pulmonary fibrosis. <i>FASEB Journal</i> , 2014, 28, 3183-3196.	0.2	87
17	Fibroblast Activation Protein (FAP) Accelerates Collagen Degradation and Clearance from Lungs in Mice. <i>Journal of Biological Chemistry</i> , 2016, 291, 8070-8089.	1.6	82
18	Induced pluripotent stem cells model personalized variations in liver disease resulting from Î±1-antitrypsin deficiency. <i>Hepatology</i> , 2015, 62, 147-157.	3.6	77

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19	The Fibrotic Phenotype Induced by IGFBP-5 Is Regulated by MAPK Activation and Egr-1-Dependent and -Independent Mechanisms. <i>American Journal of Pathology</i> , 2009, 175, 605-615.	1.9	76
20	Insulin-like growth factor binding protein 5 induces skin fibrosis: A novel murine model for dermal fibrosis. <i>Arthritis and Rheumatism</i> , 2006, 54, 3001-3010.	6.7	75
21	Gender differences in systemic sclerosis: relationship to clinical features, serologic status and outcomes. <i>Journal of Scleroderma and Related Disorders</i> , 2016, 1, 204-212.	1.0	73
22	Transcriptome Analysis Reveals Differential Splicing Events in IPF Lung Tissue. <i>PLoS ONE</i> , 2014, 9, e92111.	1.1	73
23	IGFBP-5 Promotes Fibrosis via Increasing Its Own Expression and That of Other Pro-fibrotic Mediators. <i>Frontiers in Endocrinology</i> , 2018, 9, 601.	1.5	72
24	Localized expression of tenascin in systemic sclerosis-associated pulmonary fibrosis and its regulation by insulin-like growth factor binding protein 3. <i>Arthritis and Rheumatism</i> , 2012, 64, 272-280.	6.7	65
25	Human Skin Culture as an Ex Vivo Model for Assessing the Fibrotic Effects of Insulin-Like Growth Factor Binding Proteins. <i>Open Rheumatology Journal</i> , 2008, 2, 17-22.	0.1	63
26	Sirtuin 3 Deregulation Promotes Pulmonary Fibrosis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw151.	1.7	63
27	Sphingosine-1-phosphate lyase is an endogenous suppressor of pulmonary fibrosis: role of S1P signalling and autophagy. <i>Thorax</i> , 2015, 70, 1138-1148.	2.7	62
28	Review: Frontiers of Antifibrotic Therapy in Systemic Sclerosis. <i>Arthritis and Rheumatology</i> , 2017, 69, 257-267.	2.9	62
29	Insulin-Like Growth Factor-II Is Increased in Systemic Sclerosis-Associated Pulmonary Fibrosis and Contributes to the Fibrotic Process via Jun N-Terminal Kinase- and Phosphatidylinositol-3 Kinase-Dependent Pathways. <i>American Journal of Pathology</i> , 2008, 172, 1580-1590.	1.9	60
30	Long non-coding RNA HOTAIR drives EZH2-dependent myofibroblast activation in systemic sclerosis through miRNA 34a-dependent activation of NOTCH. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 507-517.	0.5	60
31	Peripheral blood cytokine and chemokine profiles in juvenile localized scleroderma: T-helper cell-associated cytokine profiles. <i>Seminars in Arthritis and Rheumatism</i> , 2015, 45, 284-293.	1.6	59
32	The Mighty Fibroblast and Its Utility in Scleroderma Research. <i>Journal of Scleroderma and Related Disorders</i> , 2017, 2, 100-107.	1.0	57
33	The Pro-Fibrotic Factor IGFBP-5 Induces Lung Fibroblast and Mononuclear Cell Migration. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 41, 179-188.	1.4	53
34	Long noncoding RNA H19X is a key mediator of TGF- β -driven fibrosis. <i>Journal of Clinical Investigation</i> , 2020, 130, 4888-4905.	3.9	52
35	Netrin-1 Regulates Fibrocyte Accumulation in the Decellularized Fibrotic Sclerodermatous Lung Microenvironment and in Bleomycin-Induced Pulmonary Fibrosis. <i>Arthritis and Rheumatology</i> , 2016, 68, 1251-1261.	2.9	51
36	The role of microRNA-155/liver X receptor pathway in experimental and idiopathic pulmonary fibrosis. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1946-1956.	1.5	51

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37	Long Non-coding RNAs Are Central Regulators of the IL-1 β -Induced Inflammatory Response in Normal and Idiopathic Pulmonary Lung Fibroblasts. <i>Frontiers in Immunology</i> , 2018, 9, 2906.	2.2	47
38	The K ⁺ Channel KCa3.1 as a Novel Target for Idiopathic Pulmonary Fibrosis. <i>PLoS ONE</i> , 2013, 8, e85244.	1.1	43
39	Excessive exosome release is the pathogenic pathway linking a lysosomal deficiency to generalized fibrosis. <i>Science Advances</i> , 2019, 5, eaav3270.	4.7	42
40	Prominence of IL6, IGF, TLR, and Bioenergetics Pathway Perturbation in Lung Tissues of Scleroderma Patients With Pulmonary Fibrosis. <i>Frontiers in Immunology</i> , 2020, 11, 383.	2.2	40
41	Systems Analysis of Transcriptomic and Proteomic Profiles Identifies Novel Regulation of Fibrotic Programs by miRNAs in Pulmonary Fibrosis Fibroblasts. <i>Genes</i> , 2018, 9, 588.	1.0	39
42	Cross-Talk between Transforming Growth Factor- β and Periostin Can Be Targeted for Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 204-216.	1.4	38
43	RNAi screening identifies a mechanosensitive ROCK-JAK2-STAT3 network central to myofibroblast activation. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	37
44	Characterization of human PDGFR- β -positive pericytes from IPF and non-IPF lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L991-L1002.	1.3	35
45	Estradiol promotes the development of a fibrotic phenotype and is increased in the serum of patients with systemic sclerosis. <i>Arthritis Research and Therapy</i> , 2013, 15, R10.	1.6	34
46	Fibroblasts that resist cigarette smoke-induced senescence acquire profibrotic phenotypes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L364-L373.	1.3	34
47	Lysyl oxidase directly contributes to extracellular matrix production and fibrosis in systemic sclerosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L29-L40.	1.3	33
48	Integrative analysis of DNA methylation in discordant twins unveils distinct architectures of systemic sclerosis subsets. <i>Clinical Epigenetics</i> , 2019, 11, 58.	1.8	32
49	The Membrane-Associated Adaptor Protein DOK5 Is Upregulated in Systemic Sclerosis and Associated with IGFBP-5-Induced Fibrosis. <i>PLoS ONE</i> , 2014, 9, e87754.	1.1	31
50	Role of phospholipase D in bleomycin-induced mitochondrial reactive oxygen species generation, mitochondrial DNA damage, and pulmonary fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 317, L175-L187.	1.3	29
51	Genetics of systemic sclerosis. <i>Current Opinion in Rheumatology</i> , 2015, 27, 521-529.	2.0	28
52	Lysocardiolipin acyltransferase regulates TGF- β mediated lung fibroblast differentiation. <i>Free Radical Biology and Medicine</i> , 2017, 112, 162-173.	1.3	28
53	Insulin-like growth factor binding protein-4 exerts antifibrotic activity by reducing levels of connective tissue growth factor and the C-X-C chemokine receptor 4. <i>FASEB BioAdvances</i> , 2019, 1, 167-179.	1.3	28
54	Fibrogenic Lung Injury Induces Non-Cell-Autonomous Fibroblast Invasion. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 831-842.	1.4	27

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55	Insulin-like growth factor (IGF)-II- mediated fibrosis in pathogenic lung conditions. PLoS ONE, 2019, 14, e0225422.	1.1	27
56	18F-AzaFol for Detection of Folate Receptor- β^2 Positive Macrophages in Experimental Interstitial Lung Disease—A Proof-of-Concept Study. Frontiers in Immunology, 2019, 10, 2724.	2.2	27
57	Pro-fibrotic phenotype of human skin fibroblasts induced by periostin via modulating TGF- β^2 signaling. Journal of Dermatological Science, 2018, 90, 199-208.	1.0	26
58	Intracellular Heat Shock Protein 70 Deficiency in Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 629-636.	1.4	26
59	Periostin plays a critical role in the cell cycle in lung fibroblasts. Respiratory Research, 2020, 21, 38.	1.4	26
60	Long intergenic non-coding RNAs regulate human lung fibroblast function: Implications for idiopathic pulmonary fibrosis. Scientific Reports, 2019, 9, 6020.	1.6	25
61	Visualisation of interstitial lung disease by molecular imaging of integrin $\alpha^v\beta^3$ and somatostatin receptor 2. Annals of the Rheumatic Diseases, 2019, 78, 218-227.	0.5	24
62	Extracellular matrix alterations in low-grade lung adenocarcinoma compared with normal lung tissue by imaging mass spectrometry. Journal of Mass Spectrometry, 2020, 55, e4450.	0.7	23
63	Update on scleroderma-associated interstitial lung disease. Current Opinion in Rheumatology, 2014, 26, 630-636.	2.0	20
64	An endostatin-derived peptide orally exerts anti-fibrotic activity in a murine pulmonary fibrosis model. International Immunopharmacology, 2015, 28, 1102-1105.	1.7	20
65	Elevated Fibronectin Levels in Profibrotic CD14+ Monocytes and CD14+ Macrophages in Systemic Sclerosis. Frontiers in Immunology, 2021, 12, 642891.	2.2	20
66	Exercise as a multi-modal disease-modifying medicine in systemic sclerosis: An introduction by The Global Fellowship on Rehabilitation and Exercise in Systemic Sclerosis (G-ForSS). Best Practice and Research in Clinical Rheumatology, 2021, 35, 101695.	1.4	19
67	Antifibrotic factor KLF4 is repressed by the miR-10/TFAP2A/TBX5 axis in dermal fibroblasts: insights from twins discordant for systemic sclerosis. Annals of the Rheumatic Diseases, 2022, 81, 268-277.	0.5	19
68	A Human Skin Model Recapitulates Systemic Sclerosis Dermal Fibrosis and Identifies COL22A1 as a TGF β^2 Early Response Gene that Mediates Fibroblast to Myofibroblast Transition. Genes, 2019, 10, 75.	1.0	18
69	IGFBP-5 Promotes Fibrosis Independently of Its Translocation to the Nucleus and Its Interaction with Nucleolin and IGF. PLoS ONE, 2015, 10, e0130546.	1.1	18
70	Estradiol levels are elevated in older men with diffuse cutaneous SSc and are associated with decreased survival. Arthritis Research and Therapy, 2019, 21, 85.	1.6	16
71	Optimization of a murine and human tissue model to recapitulate dermal and pulmonary features of systemic sclerosis. PLoS ONE, 2017, 12, e0179917.	1.1	16
72	Reduced microRNA-503 expression augments lung fibroblast VEGF production in chronic obstructive pulmonary disease. PLoS ONE, 2017, 12, e0184039.	1.1	16

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73	Differences in Right Ventricular Functional Changes during Treatment between Systemic Sclerosis-associated Pulmonary Arterial Hypertension and Idiopathic Pulmonary Arterial Hypertension. <i>Annals of the American Thoracic Society</i> , 2017, 14, 682-689.	1.5	13
74	Gender Disparities in Faculty Rank: Factors that Affect Advancement of Women Scientists at Academic Medical Centers. <i>Social Sciences</i> , 2018, 7, 62.	0.7	13
75	TL1A Promotes Lung Tissue Fibrosis and Airway Remodeling. <i>Journal of Immunology</i> , 2020, 205, 2414-2422.	0.4	13
76	Differential DNA Methylation Landscape in Skin Fibroblasts from African Americans with Systemic Sclerosis. <i>Genes</i> , 2021, 12, 129.	1.0	12
77	E4 engages uPAR and enolase-1 and activates urokinase to exert antifibrotic effects. <i>JCI Insight</i> , 2021, 6, .	2.3	12
78	PDGF Promotes Dermal Fibroblast Activation via a Novel Mechanism Mediated by Signaling Through MCHR1. <i>Frontiers in Immunology</i> , 2021, 12, 745308.	2.2	11
79	NADPH oxidase-mediated induction of reactive oxygen species and extracellular matrix deposition by insulin-like growth factor binding protein-5. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L644-L655.	1.3	10
80	<p>Therapeutic Challenges And Advances In The Management Of Systemic Sclerosis-Related Pulmonary Arterial Hypertension (SSc-PAH)</p>. <i>Therapeutics and Clinical Risk Management</i> , 2019, Volume 15, 1427-1442.	0.9	10
81	A Focused Career Development Program for Women Faculty at an Academic Medical Center. <i>Journal of Women's Health</i> , 2018, 27, 1474-1481.	1.5	7
82	Elucidating the cellular mechanism for E2-induced dermal fibrosis. <i>Arthritis Research and Therapy</i> , 2021, 23, 68.	1.6	7
83	Phenotypic Characterization of Transgenic Mice Expressing Human IGFBP-5. <i>International Journal of Molecular Sciences</i> , 2021, 22, 335.	1.8	7
84	Editorial: Molecular Insights Into Systemic Sclerosis-associated Interstitial Lung Disease. <i>Arthritis and Rheumatology</i> , 2014, 66, 485-487.	2.9	6
85	Identification of Impacted Pathways and Transcriptomic Markers as Potential Mediators of Pulmonary Fibrosis in Transgenic Mice Expressing Human IGFBP5. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12609.	1.8	5
86	Induction of a Th17 Phenotype in Human Skin—a Mimic of Dermal Inflammatory Diseases. <i>Methods and Protocols</i> , 2019, 2, 45.	0.9	4
87	Pulmonary fibrosis: something old, something new—still waiting for a breakthrough. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L560-L561.	1.3	4
88	Clinical and translational research workforce education survey identifies needs of faculty and staff. <i>Journal of Clinical and Translational Science</i> , 2022, 6, e8.	0.3	4
89	A team-based translational journal club: Understanding the translational research highway. <i>Journal of Clinical and Translational Science</i> , 2019, 3, 291-294.	0.3	3
90	Oxetanyl Sulfoxide MMS-350 Ameliorates Pulmonary Fibrosis <i>In Vitro</i>, <i>In Vivo</i>, and <i>Ex Vivo</i>. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 2312-2317.	1.3	3

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91	CD70 Activation Decreases Pulmonary Fibroblast Production of Extracellular Matrix Proteins. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 255-265.	1.4	3
92	Systemic sclerosis biomarkers detection in the secretome of TGF β 1-activated primary human lung fibroblasts. Journal of Proteomics, 2021, 242, 104243.	1.2	3
93	Impact of Sex and Gender on Autoimmune Lung Disease: Opportunities for Future Research: NHLBI Working Group Report. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 817-823.	2.5	3
94	Anti-RNA Polymerase II Antibodies in a US Cohort of Systemic Sclerosis Patients: Comment on the Article by Hamaguchi et al. Arthritis and Rheumatology, 2015, 67, 2547-2548.	2.9	2
95	The translational sciences clinic: From bench to bedside. Journal of Clinical and Translational Science, 2021, 5, e36.	0.3	1
96	Announcing the Editorial Board Fellowship Program of the American Journal of Physiology-Lung Cellular and Molecular Physiology. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L116-L118.	1.3	1
97	Promoting our early career members at AJP-Lung: The Editorial Board Fellowship Program and the Next Generation Physiologist Highlights section at our Journal. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L844-L846.	1.3	1
98	2027 The role of lysyl oxidase in systemic sclerosis-associated lung fibrosis. Journal of Clinical and Translational Science, 2018, 2, 32-33.	0.3	0
99	3420 Estradiol levels are elevated in older men with diffuse cutaneous SSc and are associated with decreased survival. Journal of Clinical and Translational Science, 2019, 3, 104-105.	0.3	0
100	Fos-related antigen-1 transgenic mouse as a model for systemic sclerosis: A potential role of M2 polarization. Journal of Scleroderma and Related Disorders, 2019, 4, 137-148.	1.0	0
101	OPO185â€¦INFLAMMATION-DEPENDENT DECREASED EXPRESSION OF CD52 ON CIRCULATING CD14+ MONOCYTES FACILITATES ADHESION IN SYSTEMIC SCLEROSIS. , 2019, , .		0
102	Personalized Gene Expression Profile Information Predicts Severity of Systemic Sclerosis Despite Heterogeneity of Disease. FASEB Journal, 2018, 32, 414.10.	0.2	0
103	Using a Social Ecological Model Framework for Advancing the Careers of Women in Science in Academic Medical Centers. ADVANCE Journal, 2020, 1, .	0.3	0
104	Prediction of severity and subtype of fibrosing disease using model informed by inflammation and extracellular matrix gene index. PLoS ONE, 2020, 15, e0240986.	1.1	0