

Roel Goldschmeding

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

6,271
citations

53789

45
h-index

74160

75
g-index

120
all docs

120
docs citations

120
times ranked

8135
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of connective tissue growth factor in human renal fibrosis. <i>Kidney International</i> , 1998, 53, 853-861.	5.2	512
2	Synergy Between Tumor Suppressor APC and the -Catenin-Tcf4 Target Tcf1. <i>Science</i> , 1999, 285, 1923-1926.	12.6	428
3	Connective tissue growth factor (CTGF) from basics to clinics. <i>Matrix Biology</i> , 2018, 68-69, 44-66.	3.6	230
4	Diverse origins of the myofibroblastâ€”implications for kidney fibrosis. <i>Nature Reviews Nephrology</i> , 2015, 11, 233-244.	9.6	210
5	The Angio-Fibrotic Switch of VEGF and CTGF in Proliferative Diabetic Retinopathy. <i>PLoS ONE</i> , 2008, 3, e2675.	2.5	197
6	CTGF expression in mesangial cells: Involvement of SMADs, MAP kinase, and PKC. <i>Kidney International</i> , 2002, 62, 1149-1159.	5.2	195
7	Induction of renal fibrotic genes by TGF- β 21 requires EGFR activation, p53 and reactive oxygen species. <i>Cellular Signalling</i> , 2013, 25, 2198-2209.	3.6	136
8	Targeting CTGF, EGF and PDGF pathways to prevent progression of kidney disease. <i>Nature Reviews Nephrology</i> , 2014, 10, 700-711.	9.6	129
9	The prognostic value of routinely performed minor salivary gland assessments in primary Sjögren's syndrome. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 1537-1540.	0.9	124
10	CTGF Inhibits BMP-7 Signaling in Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 2098-2107.	6.1	123
11	Cellular senescence in the aging and diseased kidney. <i>Journal of Cell Communication and Signaling</i> , 2018, 12, 69-82.	3.4	119
12	Reducing CTGF/CCN2 slows down mdx muscle dystrophy and improves cell therapy. <i>Human Molecular Genetics</i> , 2013, 22, 4938-4951.	2.9	118
13	In vitro evidence for differential involvement of CTGF, TGF β 2, and PDGF β BB in mesangial response to injury. <i>Nephrology Dialysis Transplantation</i> , 2001, 16, 1139-1148.	0.7	116
14	Connective Tissue Growth Factor Is Increased in Plasma of Type 1 Diabetic Patients With Nephropathy. <i>Diabetes Care</i> , 2004, 27, 1164-1170.	8.6	109
15	Treatment of Renal Fibrosisâ€”Turning Challenges into Opportunities. <i>Advances in Chronic Kidney Disease</i> , 2017, 24, 117-129.	1.4	109
16	Connective Tissue Growth Factor and IGF-I Are Produced by Human Renal Fibroblasts and Cooperate in the Induction of Collagen Production by High Glucose. <i>Diabetes</i> , 2003, 52, 2975-2983.	0.6	104
17	Plasma Connective Tissue Growth Factor Is an Independent Predictor of End-Stage Renal Disease and Mortality in Type 1 Diabetic Nephropathy. <i>Diabetes Care</i> , 2008, 31, 1177-1182.	8.6	99
18	Connective tissue growth factor expression and Smad signaling during mouse heart development and myocardial infarction. <i>Developmental Dynamics</i> , 2004, 231, 542-550.	1.8	95

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19	Role of Epidermal Growth Factor Receptor (EGFR) and Its Ligands in Kidney Inflammation and Damage. Mediators of Inflammation, 2018, 2018, 1-22.	3.0	93
20	CTGF/CCN2 overexpression can directly induce features of skeletal muscle dystrophy. Journal of Pathology, 2011, 225, 490-501.	4.5	92
21	Targeting podocyte-associated diseases. Advanced Drug Delivery Reviews, 2010, 62, 1325-1336.	13.7	89
22	Short telomere length in IPF lung associates with fibrotic lesions and predicts survival. PLoS ONE, 2017, 12, e0189467.	2.5	87
23	Association of Connective Tissue Growth Factor With Fibrosis in Vitreoretinal Disorders in the Human Eye. JAMA Ophthalmology, 2006, 124, 1457.	2.4	84
24	Bone Morphogenetic Protein-7 and Connective Tissue Growth Factor: Novel Targets for Treatment of Renal Fibrosis?. Pharmaceutical Research, 2008, 25, 2416-2426.	3.5	83
25	Kinetics of Connective Tissue Growth Factor Expression during Experimental Proliferative Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2001, 12, 472-484.	6.1	82
26	Temporal expression profile and distribution pattern indicate a role of connective tissue growth factor (CTGF/CCN-2) in diabetic nephropathy in mice. American Journal of Physiology - Renal Physiology, 2006, 290, F1344-F1354.	2.7	76
27	Limited destruction of renal nerves after catheter-based renal denervation: results of a human case study. Nephrology Dialysis Transplantation, 2014, 29, 1608-1610.	0.7	76
28	Nephronophthisis-Associated CEP164 Regulates Cell Cycle Progression, Apoptosis and Epithelial-to-Mesenchymal Transition. PLoS Genetics, 2014, 10, e1004594.	3.5	73
29	Predicting Outcome in Patients with Anti-GBM Glomerulonephritis. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 63-72.	4.5	72
30	Kidney Fibrosis. Transplantation, 2017, 101, 713-726.	1.0	67
31	Connective tissue growth factor: just another factor in renal fibrosis?. Nephrology Dialysis Transplantation, 2000, 15, 296-299.	0.7	66
32	In mice, proteinuria and renal inflammatory responses to albumin overload are strain-dependent. Nephrology Dialysis Transplantation, 2006, 21, 591-597.	0.7	66
33	Connective tissue growth factor (CTGF/CCN2) is increased in peritoneal dialysis patients with high peritoneal solute transport rate. American Journal of Physiology - Renal Physiology, 2010, 298, F721-F733.	2.7	66
34	Connective tissue growth factor regulates fibrosis-associated renal lymphangiogenesis. Kidney International, 2017, 92, 850-863.	5.2	60
35	Substrate and inhibitor studies on proteinase 3. FEBS Letters, 1992, 297, 119-123.	2.8	59
36	Distinct fibrosis pattern in desmosomal and phospholamban mutation carriers in hereditary cardiomyopathies. Heart Rhythm, 2017, 14, 1024-1032.	0.7	59

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37	Loss of Endogenous Bone Morphogenetic Protein-6 Aggravates Renal Fibrosis. <i>American Journal of Pathology</i> , 2011, 178, 1069-1079.	3.8	58
38	A Panel of Novel Biomarkers Representing Different Disease Pathways Improves Prediction of Renal Function Decline in Type 2 Diabetes. <i>PLoS ONE</i> , 2015, 10, e0120995.	2.5	57
39	Cellular Senescence and the Kidney: Potential Therapeutic Targets and Tools. <i>Frontiers in Pharmacology</i> , 2019, 10, 770.	3.5	56
40	Connective tissue growth factor (CTGF/CCN2) ELISA: a novel tool for monitoring fibrosis. <i>Biomarkers</i> , 2011, 16, 289-301.	1.9	55
41	Loss of tumour suppressor <i>PTEN</i> expression in renal injury initiates <i>SMAD3</i> and <i>p53</i> -dependent fibrotic responses. <i>Journal of Pathology</i> , 2015, 236, 421-432.	4.5	55
42	<i>Rac1</i> promotes fibrotic <i>TGFβ1</i> signaling and chronic kidney disease via <i>EGFR</i> , <i>p53</i> , and <i>Hippo/YAP/TAZ</i> pathways. <i>FASEB Journal</i> , 2019, 33, 9797-9810.	0.5	55
43	Negative regulators of <i>TGF-β1</i> signaling in renal fibrosis; pathological mechanisms and novel therapeutic opportunities. <i>Clinical Science</i> , 2021, 135, 275-303.	4.3	52
44	Urinary Connective Tissue Growth Factor Excretion Correlates With Clinical Markers of Renal Disease in a Large Population of Type 1 Diabetic Patients With Diabetic Nephropathy. <i>Diabetes Care</i> , 2006, 29, 83-88.	8.6	52
45	Connective tissue growth factor induces renal fibrosis via epidermal growth factor receptor activation. <i>Journal of Pathology</i> , 2018, 244, 227-241.	4.5	51
46	BMP Signaling and Podocyte Markers are Decreased in Human Diabetic Nephropathy in Association with CTGF Overexpression. <i>Journal of Histochemistry and Cytochemistry</i> , 2009, 57, 623-631.	2.5	50
47	The aging lung: tissue telomere shortening in health and disease. <i>Respiratory Research</i> , 2018, 19, 95.	3.6	46
48	The morphological substrate for Renal Denervation: Nerve distribution patterns and parasympathetic nerves. A post-mortem histological study. <i>Annals of Anatomy</i> , 2016, 204, 71-79.	1.9	45
49	Uncovering a Predictive Molecular Signature for the Onset of NASH-Related Fibrosis in a Translational NASH Mouse Model. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 5, 83-98.e10.	4.5	44
50	Reduction of urinary connective tissue growth factor by Losartan in type 1 patients with diabetic nephropathy. <i>Kidney International</i> , 2005, 67, 2325-2329.	5.2	41
51	The pro-fibrotic connective tissue growth factor (CTGF/CCN2) correlates with the number of necrotic-regenerative foci in dystrophic muscle. <i>Journal of Cell Communication and Signaling</i> , 2018, 12, 413-421.	3.4	40
52	Local therapeutic efficacy with reduced systemic side effects by rapamycin-loaded subcapsular microspheres. <i>Biomaterials</i> , 2015, 42, 151-160.	11.4	39
53	Differential regulation of E-cadherin and α -smooth muscle actin by BMP 7 in human renal proximal tubule epithelial cells and its implication in renal fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F1238-F1248.	2.7	38
54	CTGF knockout does not affect cardiac hypertrophy and fibrosis formation upon chronic pressure overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 88, 82-90.	1.9	37

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55	Interplay between extracellular matrix components and cellular and molecular mechanisms in kidney fibrosis. <i>Clinical Science</i> , 2021, 135, 1999-2029.	4.3	32
56	Connective Tissue Growth Factor Is Associated With a Stable Atherosclerotic Plaque Phenotype and Is Involved in Plaque Stabilization After Stroke. <i>Stroke</i> , 2010, 41, 2979-2981.	2.0	30
57	Hemizygous deletion of CTGF/CCN2 does not suffice to prevent fibrosis of the severely injured kidney. <i>Matrix Biology</i> , 2012, 31, 421-431.	3.6	27
58	CCN2/CTGF is required for matrix organization and to protect growth plate chondrocytes from cellular stress. <i>Journal of Cell Communication and Signaling</i> , 2013, 7, 219-230.	3.4	27
59	A potential role for CCN2/CTGF in aggressive colorectal cancer. <i>Journal of Cell Communication and Signaling</i> , 2016, 10, 223-227.	3.4	27
60	Genetics-first approach improves diagnostics of ESKD patients <50 years old. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, 349-357.	0.7	27
61	Histological characteristics of Acute Tubular Injury during Delayed Graft Function predict renal function after renal transplantation. <i>Physiological Reports</i> , 2019, 7, e14000.	1.7	26
62	Renal proximal tubular dysfunction is a major determinant of urinary connective tissue growth factor excretion. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, F1457-F1464.	2.7	25
63	A perspective on anti-CCN2 therapy for chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, i30-i37.	0.7	25
64	Involvement of Connective Tissue Growth Factor in Human and Experimental Hypertensive Nephrosclerosis. <i>Nephron Experimental Nephrology</i> , 2010, 117, e9-e20.	2.2	24
65	Left Ventricular Mass in Dialysis Patients, Determinants and Relation with Outcome. Results from the COncvective TRANsport STudy (CONTRAST). <i>PLoS ONE</i> , 2014, 9, e84587.	2.5	24
66	Whole slide images for primary diagnostics of urinary system pathology: a feasibility study. <i>Journal of Renal Injury Prevention</i> , 2014, 3, 91-6.	0.2	24
67	Effects of Antiproteinuric Intervention on Elevated Connective Tissue Growth Factor (CTGF/CCN-2) Plasma and Urine Levels in Nondiabetic Nephropathy. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011, 6, 1845-1850.	4.5	23
68	Complete absence of rib ossification, micrognathia and ear anomalies: extreme expression of cerebro-costo-mandibular syndrome?. <i>European Journal of Human Genetics</i> , 1998, 6, 71-74.	2.8	22
69	Intervention in growth factor activated signaling pathways by renally targeted kinase inhibitors. <i>Journal of Controlled Release</i> , 2008, 132, 200-207.	9.9	21
70	Direct visualization of Smad1/5/8-mediated transcriptional activity identifies podocytes and collecting ducts as major targets of BMP signalling in healthy and diseased kidneys. <i>Journal of Pathology</i> , 2011, 224, 121-132.	4.5	21
71	Effect of GFR on Plasma N-Terminal Connective Tissue Growth Factor (CTGF) Concentrations. <i>American Journal of Kidney Diseases</i> , 2012, 59, 619-627.	1.9	21
72	Loss of expression of protein phosphatase magnesium-dependent 1A during kidney injury promotes fibrotic maladaptive repair. <i>FASEB Journal</i> , 2016, 30, 3308-3320.	0.5	21

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73	PAI α 1 induction during kidney injury promotes fibrotic epithelial dysfunction via deregulation of klotho, p53, and TGF β 1 receptor signaling. <i>FASEB Journal</i> , 2021, 35, e21725.	0.5	21
74	Oxidative Stress and Cellular Senescence Are Involved in the Aging Kidney. <i>Antioxidants</i> , 2022, 11, 301.	5.1	21
75	Acute Kidney Injury is Aggravated in Aged Mice by the Exacerbation of Proinflammatory Processes. <i>Frontiers in Pharmacology</i> , 2021, 12, 662020.	3.5	20
76	Nephrectomy in Autosomal Dominant Polycystic Kidney Disease: A Patient with Exceptionally Large, Still Functioning Kidneys. <i>Case Reports in Nephrology and Dialysis</i> , 2014, 4, 109-112.	0.6	19
77	Plasma CTGF is independently related to an increased risk of cardiovascular events and mortality in patients with atherosclerotic disease: the SMART study. <i>Growth Factors</i> , 2016, 34, 149-158.	1.7	19
78	Epigenetically quantified immune cells in salivary glands of Sjögren's syndrome patients: a novel tool that detects robust correlations of T follicular helper cells with immunopathology. <i>Rheumatology</i> , 2020, 59, 335-343.	1.9	19
79	From organ to cell: Multi-level telomere length assessment in patients with idiopathic pulmonary fibrosis. <i>PLoS ONE</i> , 2020, 15, e0226785.	2.5	19
80	CCN2 Aggravates the Immediate Oxidative Stress-DNA Damage Response following Renal Ischemia-Reperfusion Injury. <i>Antioxidants</i> , 2021, 10, 2020.	5.1	19
81	Connective tissue growth factor is expressed in bone marrow stromal cells and promotes interleukin-7-dependent B lymphopoiesis. <i>Haematologica</i> , 2014, 99, 1149-1156.	3.5	18
82	Elevated Urinary Connective Tissue Growth Factor in Diabetic Nephropathy Is Caused by Local Production and Tubular Dysfunction. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-11.	2.3	18
83	Tamoxifen for induction of Cre-recombination may confound fibrosis studies in female mice. <i>Journal of Cell Communication and Signaling</i> , 2017, 11, 205-211.	3.4	18
84	Age-dependent shifts in renal response to injury relate to altered BMP6/CTGF expression and signaling. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F926-F934.	2.7	14
85	Urinary Connective Tissue Growth Factor Is Associated with Human Renal Allograft Fibrogenesis. <i>Transplantation</i> , 2013, 96, 494-500.	1.0	12
86	Connective Tissue Growth Factor Is Overexpressed in Explant Lung Tissue and Broncho-Alveolar Lavage in Transplant-Related Pulmonary Fibrosis. <i>Frontiers in Immunology</i> , 2021, 12, 661761.	4.8	12
87	Protein phosphatase Mg ²⁺ /Mn ²⁺ dependent 1A and PTEN deregulation in renal fibrosis: Novel mechanisms and co-dependency of expression. <i>FASEB Journal</i> , 2020, 34, 2641-2656.	0.5	11
88	Telomere shortening and DNA damage in culprit cells of different types of progressive fibrosing interstitial lung disease. <i>ERJ Open Research</i> , 2021, 7, 00691-2020.	2.6	11
89	Expression of Connective Tissue Growth Factor in Male Breast Cancer: Clinicopathologic Correlations and Prognostic Value. <i>PLoS ONE</i> , 2015, 10, e0118957.	2.5	10
90	Transforming growth factor β 2 (TGF- β 2)-induced connective tissue growth factor (CTGF) expression requires sphingosine 1-phosphate receptor 5 (S1P5) in human mesangial cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 519-526.	2.4	10

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91	Pathology of aortic valve remodeling after continuous-flow left ventricular assist device support. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 113-116.	0.6	10
92	Tubulointerstitial expression and urinary excretion of connective tissue growth factor 3 months after renal transplantation predict interstitial fibrosis and tubular atrophy at 5 years in a retrospective cohort analysis. <i>Transplant International</i> , 2017, 30, 695-705.	1.6	10
93	Cell Type-Specific Quantification of Telomere Length and DNA Double-strand Breaks in Individual Lung Cells by Fluorescence In Situ Hybridization and Fluorescent Immunohistochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 485-495.	2.5	10
94	Importance of Genetic Diagnostics in Adult-Onset Focal Segmental Glomerulosclerosis. <i>Nephron</i> , 2019, 142, 351-358.	1.8	10
95	CCN2 (Cellular Communication Network factor 2) in the bone marrow microenvironment, normal and malignant hematopoiesis. <i>Journal of Cell Communication and Signaling</i> , 2021, 15, 25-56.	3.4	10
96	Connective tissue growth factor is correlated with peritoneal lymphangiogenesis. <i>Scientific Reports</i> , 2019, 9, 12175.	3.3	9
97	Extracellular Granzyme K Modulates Angiogenesis by Regulating Soluble VEGFR1 Release From Endothelial Cells. <i>Frontiers in Oncology</i> , 2021, 11, 681967.	2.8	9
98	Pulmonary fibrosis in non-mutation carriers of families with short telomere syndrome gene mutations. <i>Respirology</i> , 2021, 26, 1160-1170.	2.3	9
99	Connective tissue growth factor and the cicatrization of cellular crescents in ANCA-associated glomerulonephritis. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, 1291-1299.	0.7	8
100	A Multicenter Application of the 2018 Banff Classification for BK Polyomavirus-associated Nephropathy in Renal Transplantation. <i>Transplantation</i> , 2019, 103, 2692-2700.	1.0	8
101	A Human Conditionally Immortalized Proximal Tubule Epithelial Cell Line as a Novel Model for Studying Senescence and Response to Senolytics. <i>Frontiers in Pharmacology</i> , 2022, 13, 791612.	3.5	8
102	CCN2 reduction mediates protective effects of BMP7 treatment in obstructive nephropathy. <i>Journal of Cell Communication and Signaling</i> , 2017, 11, 39-48.	3.4	6
103	The Effects of Renal Denervation on Renal Hemodynamics and Renal Vasculature in a Porcine Model. <i>PLoS ONE</i> , 2015, 10, e0141609.	2.5	6
104	Radiofrequency Ablation of the Atherosclerotic Plaque: a Proof of Concept Study in an Atherosclerotic Model. <i>Journal of Cardiovascular Translational Research</i> , 2017, 10, 221-232.	2.4	5
105	P62-positive aggregates are homogenously distributed in the myocardium and associated with the type of mutation in genetic cardiomyopathy. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 3160-3166.	3.6	5
106	Integrin $\alpha 3 \beta 1$ in hair bulge stem cells modulates CCN2 expression and promotes skin tumorigenesis. <i>Life Science Alliance</i> , 2020, 3, e202000645.	2.8	5
107	Gastrointestinal stromal tumour detection with somatostatin receptor imaging, ^{68}Ga -HA-DOTATATE PET-CT. <i>Lancet Oncology</i> , The, 2017, 18, e185.	10.7	4
108	Inflammatory and Fibrotic Mediators in Renal Diseases. <i>Mediators of Inflammation</i> , 2019, 2019, 1-2.	3.0	4

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109	Urinary KIM-1 Correlates with the Subclinical Sequelae of Tubular Damage Persisting after the Apparent Functional Recovery from Intrinsic Acute Kidney Injury. <i>Biomedicines</i> , 2022, 10, 1106.	3.2	4
110	Does High or Low Urinary Connective Tissue Growth Factor Predict CKD?. <i>American Journal of Kidney Diseases</i> , 2011, 58, 680-681.	1.9	3
111	Connective Tissue Growth Factor Is Related to All-cause Mortality in Hemodialysis Patients and Is Lowered by On-line Hemodiafiltration: Results from the Convective Transport Study. <i>Toxins</i> , 2019, 11, 268.	3.4	3
112	FoxD1-driven CCN2 deletion causes axial skeletal deformities, pulmonary hypoplasia, and neonatal asphyctic death. <i>Journal of Cell Communication and Signaling</i> , 2019, 13, 573-577.	3.4	3
113	Connective Tissue Growth Factor Single Nucleotide Polymorphisms in (Familial) Pulmonary Fibrosis and Connective Tissue Disease Associated Interstitial Lung Disease. <i>Lung</i> , 2021, 199, 659-666.	3.3	3
114	Genetic testing for podocyte genes in sporadic focal segmental glomerulosclerosis. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 1985-1986.	0.7	2
115	Validation of multiparametric MRI by histopathology after nephrectomy: a case study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 377-387.	2.0	2
116	Bioluminescent reporters to monitor killer cell-mediated delivery of granzymes inside target cells. <i>Blood</i> , 2015, 126, 2893-2895.	1.4	0
117	MO622IMPAIRED PROTEIN-BOUND UREMIC TOXIN EXCRETION SUGGESTS TUBULAR DYSFUNCTION IN DIABETIC NEPHROPATHY. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, .	0.7	0
118	MO338INCREASED INFLAMMATORY RESPONSE IS A HALLMARK OF AGE-RELATED AGGRAVATION OF EXPERIMENTAL AKI. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, .	0.7	0
119	The Extent of Inflammatory Cell Infiltrate and Fibrosis in Lungs of Telomere- and Surfactant-Related Familial Pulmonary Fibrosis. <i>Frontiers in Medicine</i> , 2021, 8, 736485.	2.6	0