Thomas M Krieg

List of Publications by Citations

75 papers	5,944 citations	39 h-index	77 g-index
86 ext. papers	6,775 ext. citations	6 avg, IF	5.41 L-index

#	Paper	IF	Citations
75	Scleroderma. *New England Journal of Medicine*, **2009**, 360, 1989-2003	59.2	1041
74	Differential roles of macrophages in diverse phases of skin repair. *Journal of Immunology*, **2010**, 184, 3964-77	5.3	742
73	Fibroblasts in mechanically stressed collagen lattices assume a "synthetic" phenotype. *Journal of Biological Chemistry*, **2001**, 276, 36575-85	5.4	277
72	T cell-specific inactivation of the interleukin 10 gene in mice results in enhanced T cell responses but normal innate responses to lipopolysaccharide or skin irritation. *Journal of Experimental Medicine*, **2004**, 200, 1289-97	16.6	244
71	Expression and proteolysis of vascular endothelial growth factor is increased in chronic wounds. *Journal of Investigative Dermatology*, **2000**, 115, 12-8	4.3	234
70	UVA-induced autocrine stimulation of fibroblast-derived collagenase/MMP-1 by interrelated loops of interleukin-1 and interleukin-6. *Photochemistry and Photobiology*, **1994**, 59, 550-6	3.6	227
69	Interleukin-4 Receptor Signaling in Myeloid Cells Controls Collagen Fibril Assembly in Skin Repair. *Immunity*, **2015**, 43, 803-16	32.3	182
68	Mutations in the hair cortex keratin hHb6 cause the inherited hair disease monilethrix. *Nature Genetics*, **1997**, 16, 372-4	36.3	159
67	Myofibroblast differentiation is induced in keratinocyte-fibroblast co-cultures and is antagonistically regulated by endogenous transforming growth factor-beta and interleukin-1. *American Journal of Pathology*, **2004**, 164, 2055-66	5.8	151
66	New developments in fibroblast and myofibroblast biology: implications for fibrosis and scleroderma. *Current Rheumatology Reports*, **2007**, 9, 136-43	4.9	132
65	Cell-matrix interactions in dermal repair and scarring. *Fibrogenesis and Tissue Repair*, **2010**, 3, 4		119
64	Keratin 14 Cre transgenic mice authenticate keratin 14 as an oocyte-expressed protein. *Genesis*, **2004**, 38, 176-81	1.9	115
63	Mechanical tension and integrin alpha 2 beta 1 regulate fibroblast functions. *Journal of Investigative Dermatology Symposium Proceedings*, **2006**, 11, 66-72	1.1	105
62	Integrin alpha2beta1 is required for regulation of murine wound angiogenesis but is dispensable for reepithelialization. *Journal of Investigative Dermatology*, **2007**, 127, 467-78	4.3	97
61	Fibrosis in connective tissue disease: the role of the myofibroblast and fibroblast-epithelial cell interactions. *Arthritis Research and Therapy*, **2007**, 9 Suppl 2, S4	5.7	95
60	Collagen XII and XIV, new partners of cartilage oligomeric matrix protein in the skin extracellular matrix suprastructure. *Journal of Biological Chemistry*, **2012**, 287, 22549-59	5.4	92
59	Frequency of disease-associated and other nuclear autoantibodies in patients of the German Network for Systemic Scleroderma: correlation with characteristic clinical features. *Arthritis Research and Therapy*, **2011**, 13, R172	5.7	91

58	Integrin alpha2beta1 is the required receptor for endorepellin angiostatic activity. *Journal of Biological Chemistry*, **2008**, 283, 2335-43	5.4	90
57	Interactions of primary fibroblasts and keratinocytes with extracellular matrix proteins: contribution of alpha2beta1 integrin. *Journal of Cell Science*, **2006**, 119, 1886-95	5.3	84
56	Downregulation of collagen synthesis in fibroblasts within three-dimensional collagen lattices involves transcriptional and posttranscriptional mechanisms. *FEBS Letters*, **1993**, 318, 129-33	3.8	83
55	Dissecting the roles of endothelin, TGF-beta and GM-CSF on myofibroblast differentiation by keratinocytes. *Thrombosis and Haemostasis*, **2004**, 92, 262-74	7	77
54	Effect of Macitentan on the Development of New Ischemic Digital Ulcers in Patients With Systemic Sclerosis: DUAL-1 and DUAL-2 Randomized Clinical Trials. *JAMA - Journal of the American Medical Association*, **2016**, 315, 1975-88	27.4	74
53	High expression and autoinduction of monocyte chemoattractant protein-1 in scleroderma fibroblasts. *European Journal of Immunology*, **2001**, 31, 2936-41	6.1	64
52	Deep Proteome Profiling Reveals Common Prevalence of MZB1-Positive Plasma B Cells in Human Lung and Skin Fibrosis. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 196, 1298-1310	10.2	60
51	Role of tyrosine phosphatase SHP-1 in the mechanism of endorepellin angiostatic activity. *Blood*, **2009**, 114, 4897-906	2.2	59
50	Differential regulation of transcription and transcript stability of pro-alpha 1(I) collagen and fibronectin in activated fibroblasts derived from patients with systemic scleroderma. *Biochemical Journal*, **1996**, 315 (Pt 2), 549-54	3.8	54
49	Genetic ablation of mast cells redefines the role of mast cells in skin wound healing and bleomycin-induced fibrosis. *Journal of Investigative Dermatology*, **2014**, 134, 2005-2015	4.3	53
48	Stabilization of integrin-linked kinase by the Hsp90-CHIP axis impacts cellular force generation, migration and the fibrotic response. *EMBO Journal*, **2013**, 32, 1409-24	13	51
47	The extracellular matrix of the dermis: flexible structures with dynamic functions. *Experimental Dermatology*, **2011**, 20, 689-95	4	51
46	Alternative proteolytic processing of hepatocyte growth factor during wound repair. *American Journal of Pathology*, **2009**, 174, 2116-28	5.8	51
45	Defining Skin Ulcers in Systemic Sclerosis: Systematic Literature Review and Proposed World Scleroderma Foundation (WSF) definition. *Journal of Scleroderma and Related Disorders*, **2017**, 2, 115-120	2.3	49
44	Elucidating the burden of recurrent and chronic digital ulcers in systemic sclerosis: long-term results from the DUO Registry. *Annals of the Rheumatic Diseases*, **2016**, 75, 1770-6	2.4	49
43	TGFB1 is secreted through an unconventional pathway dependent on the autophagic machinery and cytoskeletal regulators. *Autophagy*, **2018**, 14, 465-486	10.2	47
42	Ultrastructure and composition of connective tissue in hyalinosis cutis et mucosae skin. *Journal of Investigative Dermatology*, **1984**, 82, 252-8	4.3	45
41	New developments on skin fibrosis - Essential signals emanating from the extracellular matrix for the control of myofibroblasts. *Matrix Biology*, **2018**, 68-69, 522-532	11.4	43

40	COMP-assisted collagen secretion--a novel intracellular function required for fibrosis. *Journal of Cell Science*, **2016**, 129, 706-16	5.3	43
39	Defective granulation tissue formation in mice with specific ablation of integrin-linked kinase in fibroblasts - role of TGFβ1 levels and RhoA activity. *Journal of Cell Science*, **2010**, 123, 3872-83	5.3	42
38	Bleomycin increases steady-state levels of type I collagen, fibronectin and decorin mRNAs in human skin fibroblasts. *Archives of Dermatological Research*, **2000**, 292, 556-61	3.3	41
37	Altered regulation of collagen metabolism in scleroderma fibroblasts grown within three-dimensional collagen gels. *Experimental Dermatology*, **1992**, 1, 185-90	4	39
36	Systemic sclerosis and the COVID-19 pandemic: World Scleroderma Foundation preliminary advice for patient management. *Annals of the Rheumatic Diseases*, **2020**, 79, 724-726	2.4	38
35	Enhanced deposition of cartilage oligomeric matrix protein is a common feature in fibrotic skin pathologies. *Matrix Biology*, **2013**, 32, 325-31	11.4	37
34	Ultraviolet-B induction of interstitial collagenase and stromelyin-1 occurs in human dermal fibroblasts via an autocrine interleukin-6-dependent loop. *FEBS Letters*, **1999**, 449, 36-40	3.8	37
33	Vascular endothelial insulin/IGF-1 signaling controls skin wound vascularization. *Biochemical and Biophysical Research Communications*, **2012**, 421, 197-202	3.4	32
32	Scleroderma: from pathophysiology to novel therapeutic approaches. *Experimental Dermatology*, **2010**, 19, 393-400	4	32
31	Pivotal role for alpha1-antichymotrypsin in skin repair. *Journal of Biological Chemistry*, **2011**, 286, 28889-28901	3.4	32
30	Registries in systemic sclerosis: a worldwide experience. *Rheumatology*, **2011**, 50, 60-8	3.9	31
29	Molecular and cellular basis of scleroderma. *Journal of Molecular Medicine*, **2014**, 92, 913-24	5.5	27
28	Biomarkers for skin involvement and fibrotic activity in scleroderma. *Journal of the European Academy of Dermatology and Venereology*, **2012**, 26, 267-76	4.6	26
27	Clinical characteristics and predictors of gangrene in patients with systemic sclerosis and digital ulcers in the Digital Ulcer Outcome Registry: a prospective, observational cohort. *Annals of the Rheumatic Diseases*, **2016**, 75, 1736-40	2.4	26
26	Role of Integrins β1 and β2 in Wound and Tumor Angiogenesis in Mice. *American Journal of Pathology*, **2016**, 186, 3011-3027	5.8	23
25	Dwarfism in mice lacking collagen-binding integrins β2 and β11 is caused by severely diminished IGF-1 levels. *Journal of Biological Chemistry*, **2012**, 287, 6431-40	5.4	23
24	Interactions of fibroblasts with the extracellular matrix: implications for the understanding of fibrosis. *Seminars in Immunopathology*, **1999**, 21, 415-29		23
23	Absence of autoantibodies against correctly folded recombinant fibrillin-1 protein in systemic sclerosis patients. *Arthritis Research and Therapy*, **2005**, 7, R1221-6	5.7	22

22	Laminin 5 in the keratinocyte basement membrane is required for epidermal-dermal intercommunication. *Matrix Biology*, **2016**, 56, 24-41	11.4	20
21	In vitro reconstituted skin as a tool for biology, pharmacology and therapy: a review. *Wound Repair and Regeneration*, **1995**, 3, 248-57	3.6	16
20	Interleukin-6 expression by fibroblasts grown in three-dimensional gel cultures. *FEBS Letters*, **1992**, 298, 229-32	3.8	15
19	Combination therapy with an endothelin-1 receptor antagonist (bosentan) and a phosphodiesterase V inhibitor (sildenafil) for the management of severe digital ulcerations in systemic sclerosis. *Journal of the American Academy of Dermatology*, **2011**, 65, e102-e104	4.5	14
18	Highly sensitive DNA typing for detecting tumors transmitted by transplantation. *Transplant International*, **1998**, 11, 382-386	3	13
17	Deletion of the epidermis derived laminin 1 chain leads to defects in the regulation of late hair morphogenesis. *Matrix Biology*, **2016**, 56, 42-56	11.4	12
16	Scleroderma Renal Crisis: Risk Factors for an Increasingly Rare Organ Complication. *Journal of Rheumatology*, **2020**, 47, 241-248	4.1	11
15	Randomized standard-of-care-controlled trial of a silica gel fibre matrix in the treatment of chronic venous leg ulcers. *European Journal of Dermatology*, **2014**, 24, 210-6	0.8	10
14	Pharmacology and rationale for imatinib in the treatment of scleroderma. *Journal of Experimental Pharmacology*, **2013**, 5, 15-22	3	10
13	Role of collagen XII in skin homeostasis and repair. *Matrix Biology*, **2020**, 94, 57-76	11.4	10
12	Role of integrin signalling through integrin-linked kinase in skin physiology and pathology. *Experimental Dermatology*, **2014**, 23, 453-6	4	7
11	Dual role of laminin-511 in regulating melanocyte migration and differentiation. *Matrix Biology*, **2019**, 80, 59-71	11.4	7
10	Epidermal RelA specifically restricts contact allergen-induced inflammation and apoptosis in skin. *Journal of Investigative Dermatology*, **2014**, 134, 2541-2550	4.3	5
9	Pathophysiological Mechanisms in Sclerosing Skin Diseases. *Frontiers in Medicine*, **2017**, 4, 120	4.9	5
8	Primary systemic sclerosis heart involvement: A systematic literature review and preliminary data-driven, consensus-based WSF/HFA definition.. *Journal of Scleroderma and Related Disorders*, **2022**, 7, 24-32	2.3	5
7	A story of fibers and stress: Matrix-embedded signals for fibroblast activation in the skin. *Wound Repair and Regeneration*, **2021**, 29, 515-530	3.6	5
6	Proteomic Analysis of Human Scleroderma Fibroblasts Response to Transforming Growth Factor- *Proteomics - Clinical Applications*, **2019**, 13, e1800069	3.1	3
5	A Practical Approach to the Management of Digital Ulcers in Patients With Systemic Sclerosis: A Narrative Review. *JAMA Dermatology*, **2021**, 157, 851-858	5.1	3

4	Scleroderma -- news to tell. *Archives of Dermatological Research*, **2007**, 299, 139-44	3.3	2
3	Localized scleroderma: a review. *Journal of Scleroderma and Related Disorders*, **2016**, 1, 286-297	2.3	1
2	Fibroblast matrix interactions in tissue repair and fibrosis. *Experimental Dermatology*, **2008**, 17, 877-879	4	1
1	Apoptosis in v-myc-transfected MSU-1.1 fibroblasts is induced by cell-matrix contact and differs from that of normal dermal fibroblasts. *In Vitro Cellular and Developmental Biology - Animal*, **2001**, 37, 606-12	2.6	