Thomas M Krieg

List of Publications by Year
in descending order

85 papers	7,447 citations	66336 42 h-index	60616 81 g-index
86 all docs	86 docs citations	86 times ranked	9918 citing authors

#	Article	IF	Citations
1	Scleroderma. New England Journal of Medicine, 2009, 360, 1989-2003.	27.0	1,278
2	Differential Roles of Macrophages in Diverse Phases of Skin Repair. Journal of Immunology, 2010, 184, 3964-3977.	0.8	944
3	Fibroblasts in Mechanically Stressed Collagen Lattices Assume a â€œSyntheticâ€•Phenotype. Journal of Biological Chemistry, 2001, 276, 36575-36585.	3.4	320
4	Expression and Proteolysis of Vascular Endothelial Growth Factor is Increased in Chronic Wounds. Journal of Investigative Dermatology, 2000, 115, 12-18.	0.7	283
5	T Cellâ€“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, 1289-1297.	8.5	283
6	UVAâ€INDUCED AUTOCRINE STIMULATION OF FIBROBLASTâ€ÐERIVED COLLAGENASE/MMPâ€1 BY INTERRELATED LOOPS OFINTERLEUKINâ€“1 andINTERLEUKINâ€“6. Photochemistry and Photobiology, 1994, 59, 550-556.	2.5	254
7	Interleukin-4 Receptor Î± Signaling in Myeloid Cells Controls Collagen Fibril Assembly in Skin Repair. Immunity, 2015, 43, 803-816.	14.3	250
8	Mutations in the hair cortex keratin hHb6 cause the inherited hair disease monilethrix. Nature Genetics, 1997, 16, 372-374.	21.4	177
9	Myofibroblast Differentiation Is Induced in Keratinocyte-Fibroblast Co-Cultures and Is Antagonistically Regulated by Endogenous Transforming Growth Factor-Î² and Interleukin-1. American Journal of Pathology, 2004, 164, 2055-2066.	3.8	166
10	New developments in fibroblast and myofibroblast biology: Implications for fibrosis and scleroderma. Current Rheumatology Reports, 2007, 9, 136-143.	4.7	148
11	Cell-matrix interactions in dermal repair and scarring. Fibrogenesis and Tissue Repair, 2010, 3, 4.	3.4	146
12	Keratin 14 Cre transgenic mice authenticate keratin 14 as an oocyte-expressed protein. Genesis, 2004, 38, 176-181.	1.6	137
13	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.	3.5	133
14	Mechanical Tension and Integrin Î±2Î²1 Regulate Fibroblast Functions. Journal of Investigative Dermatology Symposium Proceedings, 2006, 11, 66-72.	0.8	121
15	Fibrosis in connective tissue disease: the role of the myofibroblast and fibroblast-epithelial cell interactions. Arthritis Research and Therapy, 2007, 9, S4.	3.5	121
16	Collagen XII and XIV, New Partners of Cartilage Oligomeric Matrix Protein in the Skin Extracellular Matrix Suprastructure. Journal of Biological Chemistry, 2012, 287, 22549-22559.	3.4	114
17	Integrin Î±2Î²1 Is Required for Regulation of Murine Wound Angiogenesis but Is Dispensable for Reepithelialization. Journal of Investigative Dermatology, 2007, 127, 467-478.	0.7	113
18	Interactions of primary fibroblasts and keratinocytes with extracellular matrix proteins: contribution of Î±2Î²1 integrin. Journal of Cell Science, 2006, 119, 1886-1895.	2.0	106

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19	Integrin Î±2Î²1 Is the Required Receptor for Endorepellin Angiostatic Activity. Journal of Biological Chemistry, 2008, 283, 2335-2343.	3.4	100
20	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.	5.6	97
21	Effect of Macitentan on the Development of New Ischemic Digital Ulcers in Patients With Systemic Sclerosis. JAMA - Journal of the American Medical Association, 2016, 315, 1975.	7.4	95
22	Downregulation of collagen synthesis in fibroblasts within threeâ€dimensional collagen lattices involves transcriptional and posttranscriptional mechanisms. FEBS Letters, 1993, 318, 129-133.	2.8	94
23	Dissecting the roles of endothelin,TGF-Î² and GM-CSF on myofibroblast differentiation by keratinocytes. Thrombosis and Haemostasis, 2004, 92, 262-274.	3.4	84
24	TGFB1 is secreted through an unconventional pathway dependent on the autophagic machinery and cytoskeletal regulators. Autophagy, 2018, 14, 465-486.	9.1	80
25	The extracellular matrix of the dermis: flexible structures with dynamic functions. Experimental Dermatology, 2011, 20, 689-695.	2.9	75
26	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, 1770-1776.	0.9	72
27	High expression and autoinduction of monocyte chemoattractant protein-1 in scleroderma fibroblasts. European Journal of Immunology, 2001, 31, 2936-2941.	2.9	68
28	New developments on skin fibrosis - Essential signals emanating from the extracellular matrix for the control of myofibroblasts. Matrix Biology, 2018, 68-69, 522-532.	3.6	67
29	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.	0.7	66
30	Role of tyrosine phosphatase SHP-1 in the mechanism of endorepellin angiostatic activity. Blood, 2009, 114, 4897-4906.	1.4	62
31	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.	1.7	62
32	Stabilization of integrin-linked kinase by the Hsp90-CHIP axis impacts cellular force generation, migration and the fibrotic response. EMBO Journal, 2013, 32, 1409-1424.	7.8	59
33	Alternative Proteolytic Processing of Hepatocyte Growth Factor during Wound Repair. American Journal of Pathology, 2009, 174, 2116-2128.	3.8	58
34	Differential regulation of transcription and transcript stability of pro-Î± 1(I) collagen and fibronectin in activated fibroblasts derived from patients with systemic scleroderma. Biochemical Journal, 1996, 315, 549-554.	3.7	57
35	COMP-assisted collagen secretion - a novel intracellular function required for fibrosis. Journal of Cell Science, 2016, 129, 706-16.	2.0	56
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.	0.9	51

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37	Enhanced deposition of cartilage oligomeric matrix protein is a common feature in fibrotic skin pathologies. Matrix Biology, 2013, 32, 325-331.	3.6	50
38	Ultrastructure and Composition of Connective Tissue in Hyalinosis Cutis et Mucosae Skin. Journal of Investigative Dermatology, 1984, 82, 252-258.	0.7	49
39	Bleomycin increases steady-state levels of type I collagen, fibronectin and decorin mRNAs in human skin fibroblasts. Archives of Dermatological Research, 2000, 292, 556-561.	1.9	47
40	Defective granulation tissue formation in mice with specific ablation of integrin-linked kinase in fibroblasts â€“ role of TGFÎ²1 levels and RhoA activity. Journal of Cell Science, 2010, 123, 3872-3883.	2.0	46
41	Registries in systemic sclerosis: a worldwide experience. Rheumatology, 2011, 50, 60-68.	1.9	45
42	Altered regulation of collagen metabolism in scleroderma fibroblasts grown within three-dimensional collagen gels. Experimental Dermatology, 1992, 1, 185-190.	2.9	43
43	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.	2.8	42
44	Scleroderma: from pathophysiology to novel therapeutic approaches. Experimental Dermatology, 2010, 19, 393-400.	2.9	40
45	Pathophysiology of systemic sclerosis (scleroderma). Kaohsiung Journal of Medical Sciences, 2022, 38, 187-195.	1.9	40
46	Pivotal Role for Î±1-Antichymotrypsin in Skin Repair. Journal of Biological Chemistry, 2011, 286, 28889-28901.	3.4	39
47	Molecular and cellular basis of scleroderma. Journal of Molecular Medicine, 2014, 92, 913-924.	3.9	35
48	Vascular endothelial insulin/IGF-1 signaling controls skin wound vascularization. Biochemical and Biophysical Research Communications, 2012, 421, 197-202.	2.1	34
49	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, 1736-1740.	0.9	34
50	Laminin Î±5 in the keratinocyte basement membrane is required for epidermalâ€“dermal intercommunication. Matrix Biology, 2016, 56, 24-41.	3.6	32
51	Systemic sclerosis in adults. Part I: Clinical features and pathogenesis. Journal of the American Academy of Dermatology, 2022, 87, 937-954.	1.2	32
52	Interactions of fibroblasts with the extracellular matrix: implications for the understanding of fibrosis. Seminars in Immunopathology, 2000, 21, 415-429.	4.0	31
53	Dwarfism in Mice Lacking Collagen-binding Integrins Î±2Î²1 and Î±11Î²1 Is Caused by Severely Diminished IGF-1 Levels. Journal of Biological Chemistry, 2012, 287, 6431-6440.	3.4	31
54	Role of collagen XII in skin homeostasis and repair. Matrix Biology, 2020, 94, 57-76.	3.6	30

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55	Biomarkers for skin involvement and fibrotic activity in scleroderma. Journal of the European Academy of Dermatology and Venereology, 2012, 26, 267-276.	2.4	28
56	Role of Integrins Î±1Î²1 and Î±2Î²1 in Wound and Tumor Angiogenesis in Mice. American Journal of Pathology, 2016, 186, 3011-3027.	3.8	26
57	Absence of autoantibodies against correctly folded recombinant fibrillin-1 protein in systemic sclerosis patients. Arthritis Research and Therapy, 2005, 7, R1221.	3.5	25
58	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.	1.7	25
59	Scleroderma Renal Crisis: Risk Factors for an Increasingly Rare Organ Complication. Journal of Rheumatology, 2020, 47, 241-248.	2.0	24
60	Deletion of the epidermis derived laminin Î³1 chain leads to defects in the regulation of late hair morphogenesis. Matrix Biology, 2016, 56, 42-56.	3.6	23
61	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.	1.2	21
62	In vitro reconstituted skin as a tool for biology, pharmacology and therapy: a review. Wound Repair and Regeneration, 1995, 3, 248-257.	3.0	19
63	Interleukin-6 expression by fibroblasts grown in three-dimensional gel cultures. FEBS Letters, 1992, 298, 229-232.	2.8	18
64	A story of fibers and stress: <scp>Matrixâ€embedded</scp> signals for fibroblast activation in the skin. Wound Repair and Regeneration, 2021, 29, 515-530.	3.0	17
65	Highly sensitive DNA typing for detecting tumors transmitted by transplantation. Transplant International, 1998, 11, 382-386.	1.6	15
66	Pharmacology and rationale for imatinib in the treatment of scleroderma. Journal of Experimental Pharmacology, 2013, 5, 15.	3.2	13
67	Dual role of lamininâ€'511 in regulating melanocyte migration and differentiation. Matrix Biology, 2019, 80, 59-71.	3.6	12
68	A Practical Approach to the Management of Digital Ulcers in Patients With Systemic Sclerosis. JAMA Dermatology, 2021, 157, 851-858.	4.1	12
69	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, 210-216.	0.6	11
70	Pathophysiological Mechanisms in Sclerosing Skin Diseases. Frontiers in Medicine, 2017, 4, 120.	2.6	8
71	Clinician Scientists and PhDs: The Need to Connect Basic Research to Translational Medicineâ€"A Personal Experience. Journal of Investigative Dermatology, 2014, 134, 295-298.	0.7	7
72	Role of integrin signalling through integrinâ€linked kinase in skin physiology and pathology. Experimental Dermatology, 2014, 23, 453-456.	2.9	7

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73	Epidermal RelA Specifically Restricts Contact Allergenâ€“Induced Inflammation and Apoptosis in Skin. Journal of Investigative Dermatology, 2014, 134, 2541-2550.	0.7	7
74	The Aging Skin: From Basic Mechanisms to Clinical Applications. Journal of Investigative Dermatology, 2021, 141, 949-950.	0.7	7
75	Systemic sclerosis in adults. Part II: management and therapeutics. Journal of the American Academy of Dermatology, 2022, 87, 957-978.	1.2	7
76	Scleroderma - news to tell. Archives of Dermatological Research, 2007, 299, 139-144.	1.9	6
77	Proteomic Analysis of Human Scleroderma Fibroblasts Response to Transforming Growth Factorâ€ÃŸ. Proteomics - Clinical Applications, 2019, 13, 1800069.	1.6	5
78	SjÃ¶gren's syndrome and other rare and complex connective tissue diseases: an intriguing liaison. Clinical and Experimental Rheumatology, 2022, 40, 103-112.	0.8	3
79	More than just bricks and mortar: Fibroblasts and ECM in skin health and disease. Experimental Dermatology, 2021, 30, 4-9.	2.9	2
80	Fibroblast - matrix interactions in tissue repair and fibrosis. Experimental Dermatology, 2008, 17, 877-879.	2.9	1
81	Localized scleroderma: a review. Journal of Scleroderma and Related Disorders, 2016, 1, 286-297.	1.7	1
82	APOPTOSIS IN v-mycâ€“TRANSFECTED MSU-1.1 FIBROBLASTS IS INDUCED BY CELLâ€“MATRIX CONTACT AND DIFFERS FROM THAT OF NORMAL DERMAL FIBROBLASTS. In Vitro Cellular and Developmental Biology - Animal, 2001, 37, 606.	1.5	0
83	How I Became a Clinician Scientist in Dermatologyâ€”A Tale of Serendipity, Wise Mentors, and a Good Pinch of Tenacity. Journal of Investigative Dermatology, 2017, 137, 1395-1397.	0.7	0
84	Celebration of a Successful Partnership. Journal of Investigative Dermatology, 2020, 140, S147-S148.	0.7	0
85	SjÃ¶gren's syndrome and other rare and complex connective tissue diseases: an intriguing liaison.. Clinical and Experimental Rheumatology, 2022, , .	0.8	0