

Daniel B Rifkin

List of Publications by Year in descending order

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papers

16,619
citations

44069

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docs citations

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times ranked

15506
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mechanism for Regulating Pulmonary Inflammation and Fibrosis: The Integrin $\alpha 5 \beta 1$ Binds and Activates Latent TGF $\beta 1$. <i>Cell</i> , 1999, 96, 319-328.	28.9	1,867
2	Losartan, an AT1 Antagonist, Prevents Aortic Aneurysm in a Mouse Model of Marfan Syndrome. <i>Science</i> , 2006, 312, 117-121.	12.6	1,591
3	A syndrome of altered cardiovascular, craniofacial, neurocognitive and skeletal development caused by mutations in TGFBR1 or TGFBR2. <i>Nature Genetics</i> , 2005, 37, 275-281.	21.4	1,543
4	Making sense of latent TGF $\beta 2$ activation. <i>Journal of Cell Science</i> , 2003, 116, 217-224.	2.0	1,462
5	Myofibroblast contraction activates latent TGF $\beta 1$ from the extracellular matrix. <i>Journal of Cell Biology</i> , 2007, 179, 1311-1323.	5.2	1,118
6	Biological Roles of Fibroblast Growth Factor-2*. <i>Endocrine Reviews</i> , 1997, 18, 26-45.	20.1	748
7	Latent Transforming Growth Factor $\beta 2$ -binding Protein 1 Interacts with Fibrillin and Is a Microfibril-associated Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 2750-2757.	3.4	495
8	Integrin $\alpha 5 \beta 1$ -mediated activation of latent TGF $\beta 2$ requires the latent TGF $\beta 2$ binding protein-1. <i>Journal of Cell Biology</i> , 2004, 165, 723-734.	5.2	438
9	Basic fibroblast growth factor, a protein devoid of secretory signal sequence, is released by cells via a pathway independent of the endoplasmic reticulum-Golgi complex. <i>Journal of Cellular Physiology</i> , 1992, 151, 81-93.	4.1	421
10	Latent Transforming Growth Factor- $\beta 2$ (TGF- $\beta 2$) Binding Proteins: Orchestrators of TGF- $\beta 2$ Availability. <i>Journal of Biological Chemistry</i> , 2005, 280, 7409-7412.	3.4	371
11	Latent Transforming Growth Factor- $\beta 2$ Binding Protein Domains Involved in Activation and Transglutaminase-dependent Cross-Linking of Latent Transforming Growth Factor- $\beta 2$. <i>Journal of Cell Biology</i> , 1997, 136, 1151-1163.	5.2	359
12	Latent TGF $\beta 2$ -binding proteins. <i>Matrix Biology</i> , 2015, 47, 44-53.	3.6	346
13	Regulation of the Bioavailability of TGF- $\beta 2$ and TGF- $\beta 2$ -Related Proteins. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a021907.	5.5	305
14	Isoform-Specific Activation of Latent Transforming Growth Factor $\beta 2$ (LTGF- $\beta 2$) by Reactive Oxygen Species. <i>Radiation Research</i> , 2006, 166, 839-848.	1.5	246
15	Both normal and tumor cells produce basic fibroblast growth factor. <i>Journal of Cellular Physiology</i> , 1986, 129, 273-276.	4.1	234
16	TGF $\beta 2$ Latency: Biological Significance and Mechanisms of Activation. <i>Stem Cells</i> , 1997, 15, 190-197.	3.2	233
17	Interactions between Growth Factors and Integrins: Latent Forms of Transforming Growth Factor- $\beta 2$ Are Ligands for the Integrin $\alpha 5 \beta 1$. <i>Molecular Biology of the Cell</i> , 1998, 9, 2627-2638.	2.1	231
18	Matrix control of transforming growth factor- β function. <i>Journal of Biochemistry</i> , 2012, 152, 321-329.	1.7	224

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19	Bone abnormalities in latent TGF- β 2 binding protein (Ltpb)-3 null mice indicate a role for Ltpb-3 in modulating TGF- β 2 bioavailability. <i>Journal of Cell Biology</i> , 2002, 156, 227-232.	5.2	200
20	Extracellular microfibrils: contextual platforms for TGF β 2 and BMP signaling. <i>Current Opinion in Cell Biology</i> , 2009, 21, 616-622.	5.4	196
21	Urokinase-type plasminogen activator mediates basic fibroblast growth factor-induced bovine endothelial cell migration independent of its proteolytic activity. <i>Journal of Cellular Physiology</i> , 1992, 150, 258-263.	4.1	181
22	Fibronectin is required for integrin α 2 β 6-mediated activation of latent TGF β 2 complexes containing LTBP α 1. <i>FASEB Journal</i> , 2005, 19, 1798-1808.	0.5	163
23	Specificity of latent TGF β 2 binding protein (LTBP) incorporation into matrix: Role of fibrillins and fibronectin. <i>Journal of Cellular Physiology</i> , 2012, 227, 3828-3836.	4.1	159
24	Cell signaling events: a view from the matrix. <i>Matrix Biology</i> , 2003, 22, 101-107.	3.6	149
25	The integrin α 2 β 6 binds and activates latent TGF β 2. <i>FEBS Letters</i> , 2002, 511, 65-68.	2.8	146
26	Latent Transforming Growth Factor β 2-binding Proteins and Fibulins Compete for Fibrillin-1 and Exhibit Exquisite Specificities in Binding Sites. <i>Journal of Biological Chemistry</i> , 2009, 284, 16872-16881.	3.4	146
27	Proteolytic control of growth factor availability. <i>Apmis</i> , 1999, 107, 80-85.	2.0	145
28	Mechanism of action of angiostatic steroids: Suppression of plasminogen activator activity via stimulation of plasminogen activator inhibitor synthesis. <i>Journal of Cellular Physiology</i> , 1993, 155, 568-578.	4.1	139
29	Release of basic fibroblast growth factor, an angiogenic factor devoid of secretory signal sequence: A trivial phenomenon or a novel secretion mechanism?. <i>Journal of Cellular Biochemistry</i> , 1991, 47, 201-207.	2.6	131
30	Mutations in LTBP4 Cause a Syndrome of Impaired Pulmonary, Gastrointestinal, Genitourinary, Musculoskeletal, and Dermal Development. <i>American Journal of Human Genetics</i> , 2009, 85, 593-605.	6.2	131
31	Identification and Characterization of an Eight-cysteine Repeat of the Latent Transforming Growth Factor- β 2 Binding Protein-1 that Mediates Bonding to the Latent Transforming Growth Factor- β 2. <i>Journal of Biological Chemistry</i> , 1996, 271, 29891-29896.	3.4	128
32	In vitro and in vivo evidence for shear-induced activation of latent transforming growth factor- β 2. <i>Blood</i> , 2008, 112, 3650-3660.	1.4	126
33	Latent TGF- β 2 binding protein 4 promotes elastic fiber assembly by interacting with fibulin-5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2852-2857.	7.1	122
34	Extracellular matrix regulation of growth factor and protease activity. <i>Current Opinion in Cell Biology</i> , 1991, 3, 817-823.	5.4	119
35	LTBPs, more than just an escort service. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 410-418.	2.6	117
36	Mechanism of retinoid-induced activation of latent transforming growth factor- β 2 in bovine endothelial cells. <i>Journal of Cellular Physiology</i> , 1993, 155, 323-332.	4.1	109

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37	Unchaining the beast; insights from structural and evolutionary studies on TGF β 2 secretion, sequestration, and activation. <i>Cytokine and Growth Factor Reviews</i> , 2013, 24, 355-372.	7.2	99
38	Perturbation of transforming growth factor (TGF)- β 1 association with latent TGF- β 2 binding protein yields inflammation and tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18758-18763.	7.1	95
39	Long form of latent TGF- β 2 binding protein 1 (Ltbp1L) is essential for cardiac outflow tract septation and remodeling. <i>Development (Cambridge)</i> , 2007, 134, 3723-3732.	2.5	81
40	Long-Term Culture of Human Bone Marrow Stromal Cells in the Presence of Basic Fibroblast Growth Factor. <i>Growth Factors</i> , 1990, 3, 231-236.	1.7	80
41	The Latent Transforming Growth Factor- β 2-binding Protein-1 Promotes In Vitro Differentiation of Embryonic Stem Cells into Endothelium. <i>Molecular Biology of the Cell</i> , 2000, 11, 4295-4308.	2.1	72
42	LTBPs in biology and medicine: LTBP diseases. <i>Matrix Biology</i> , 2018, 71-72, 90-99.	3.6	72
43	Dual functions for LTBP in lung development: LTBP β 4 independently modulates elastogenesis and TGF β 2 activity. <i>Journal of Cellular Physiology</i> , 2009, 219, 14-22.	4.1	62
44	A Wound Healing Model Using Healing-impaired Diabetic Mice. <i>Journal of Dermatology</i> , 1992, 19, 673-675.	1.2	61
45	Lung Alveolar Septation Defects in Ltbp-3-Null Mice. <i>American Journal of Pathology</i> , 2005, 167, 419-428.	3.8	58
46	Endostatin, a neuroregulatory protein, is upregulated in osteoarthritis and regulates cartilage metabolism via TGF β 2 activation. <i>FASEB Journal</i> , 2009, 23, 79-89.	0.5	56
47	Amino Acid Requirements for Formation of the TGF- β 2-Latent TGF- β 2 Binding Protein Complexes. <i>Journal of Molecular Biology</i> , 2005, 345, 175-186.	4.2	55
48	LTBP3 Pathogenic Variants Predispose Individuals to Thoracic Aortic Aneurysms and Dissections. <i>American Journal of Human Genetics</i> , 2018, 102, 706-712.	6.2	51
49	TGF- β 2: Structure, Function, and Formation. <i>Thrombosis and Haemostasis</i> , 1993, 70, 177-179.	3.4	50
50	Pulsed Electromagnetic Field Regulates MicroRNA 21 Expression to Activate TGF- β 2 Signaling in Human Bone Marrow Stromal Cells to Enhance Osteoblast Differentiation. <i>Stem Cells International</i> , 2017, 2017, 1-17.	2.5	48
51	Long form of latent TGF β 2 binding protein 1 (Ltbp1L) regulates cardiac valve development. <i>Developmental Dynamics</i> , 2011, 240, 176-187.	1.8	47
52	Genetic analysis of the contribution of LTBP-3 to thoracic aneurysm in Marfan syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14012-14017.	7.1	47
53	Bimodal relationship between invasion of the amniotic membrane and plasminogen activator activity. <i>International Journal of Cancer</i> , 1990, 46, 56-60.	5.1	45
54	Solution Structure of the Third TB Domain from LTBP1 Provides Insight into Assembly of the Large Latent Complex that Sequesters Latent TGF- β 2. <i>Journal of Molecular Biology</i> , 2003, 334, 281-291.	4.2	45

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55	Latent TGF- β 2 binding protein-3 (LTBP-3) requires binding to TGF- β 2 for secretion. FEBS Letters, 2002, 517, 277-280.	2.8	44
56	Function of Latent TGF β 2 Binding Protein 4 and Fibulin 5 in Elastogenesis and Lung Development. Journal of Cellular Physiology, 2015, 230, 226-236.	4.1	41
57	Mutations in the latent TGF-beta binding protein 3 (LTBP3) gene cause brachyolmia with amelogenesis imperfecta. Human Molecular Genetics, 2015, 24, 3038-3049.	2.9	40
58	Isolation of the major serine protease inhibitor from the 5-day serum-free conditioned medium of human embryonic lung cells and demonstration that it is fetuin. Journal of Cellular Physiology, 1981, 109, 1-15.	4.1	39
59	Expression of truncated latent TGF- β 2-binding protein modulates TGF- β 2 signaling. Journal of Cell Science, 2005, 118, 2177-2187.	2.0	38
60	Tumor cells secrete an Angiogenic factor that stimulates basic fibroblast growth factor and Urokinase expression in Vascular Endothelial cells. Journal of Cellular Physiology, 1994, 161, 1-14.	4.1	37
61	Studies on FGF-2: Nuclear localization and function of high molecular weight forms and receptor binding in the absence of heparin. Molecular Reproduction and Development, 1994, 39, 102-105.	2.0	27
62	Control of lung development by latent TGF β 2 binding proteins. Journal of Cellular Physiology, 2011, 226, 1499-1509.	4.1	27
63	Cell density dependent effects of TGF β 2 demonstrated by a plasminogen activator-based assay for TGF β 2. Journal of Cellular Physiology, 1992, 152, 48-55.	4.1	25
64	E-selectin ligand-1 regulates growth plate homeostasis in mice by inhibiting the intracellular processing and secretion of mature TGF- β 2. Journal of Clinical Investigation, 2010, 120, 2474-2485.	8.2	24
65	Molecular cloning of the mouse Ltbp-1 gene reveals tissue specific expression of alternatively spliced forms. Gene, 2003, 308, 31-41.	2.2	23
66	LAP degradation product reflects plasma kallikrein-dependent TGF- β 2 activation in patients with hepatic fibrosis. SpringerPlus, 2014, 3, 221.	1.2	23
67	Abrogation of both short and long forms of latent transforming growth factor- β 2 binding protein-1 causes defective cardiovascular development and is perinatally lethal. Matrix Biology, 2015, 43, 61-70.	3.6	23
68	Stimulation of motility in cultured bovine capillary endothelial cells by angiogenic preparations. Journal of Cellular Physiology, 1984, 119, 247-254.	4.1	22
69	Growth retardation as well as spleen and thymus involution in latent TGF- β 2 binding protein (Ltbp)-3 null mice. Journal of Cellular Physiology, 2003, 196, 319-325.	4.1	22
70	The role of LTBPs in TGF- β 2 signaling. Developmental Dynamics, 2022, 251, 75-84.	1.8	20
71	Isolation and cytokine analysis of lamina propria lymphocytes from mucosal biopsies of the human colon. Journal of Immunological Methods, 2015, 421, 27-35.	1.4	18
72	Intraarticular injection of liposomal adenosine reduces cartilage damage in established murine and rat models of osteoarthritis. Scientific Reports, 2020, 10, 13477.	3.3	18

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73	Production of Gastrointestinal Tumors in Mice by Modulating Latent TGF- β 1 Activation. <i>Cancer Research</i> , 2013, 73, 459-468.	0.9	17
74	Noninvasive diagnosis and management of spontaneous intracranial hypotension in patients with marfan syndrome: Case Report and Review of the Literature. , 2014, 5, 8.		17
75	Lipopolysaccharide inhibits activation of latent transforming growth factor- β 2 in bovine endothelial cells. <i>Journal of Cellular Physiology</i> , 1995, 163, 210-219.	4.1	14
76	Tumorigenicity of revertants from an SV40-transformed line. <i>Journal of Supramolecular Structure</i> , 1979, 11, 539-546.	2.3	13
77	Genetic Suppression of Inflammation Blocks the Tumor-Promoting Effects of TGF- β 2 in Gastric Tissue. <i>Cancer Research</i> , 2014, 74, 2642-2651.	0.9	13
78	Enamel and dental anomalies in latent transforming growth factor beta binding protein 3 mutant mice. <i>European Journal of Oral Sciences</i> , 2017, 125, 8-17.	1.5	13
79	Studies on the control of plasminogen activator production by cultured human embryonic lung cells: Requirements for inhibition by corticosteroids. <i>Journal of Cellular Physiology</i> , 1980, 105, 417-422.	4.1	12
80	Characterization of Fibroblast Growth Factor-2 Binding to Ribosomes. <i>Growth Factors</i> , 1996, 13, 219-228.	1.7	11
81	L59 TGF- β 2 LAP degradation products serve as a promising blood biomarker for liver fibrogenesis in mice. <i>Fibrogenesis and Tissue Repair</i> , 2015, 8, 17.	3.4	10
82	Latent TGF- β 2 binding protein-1 deficiency decreases female fertility. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 1387-1392.	2.1	9
83	Osteoblastic monocyte chemoattractant protein-1 (MCP-1) mediation of parathyroid hormone's anabolic actions in bone implicates TGF- β 2 signaling. <i>Bone</i> , 2021, 143, 115762.	2.9	9
84	Bone matrix to growth factors: location, location, location. <i>Journal of Cell Biology</i> , 2010, 190, 949-951.	5.2	5
85	Fibrillin-1 deficiency in the outer perichondrium causes longitudinal bone overgrowth in mice with Marfan syndrome. <i>Human Molecular Genetics</i> , 2022, 31, 3281-3289.	2.9	2