

# Daniel B Rifkin

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9647423/daniel-b-rifkin-publications-by-year.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84 papers	14,269 citations	46 h-index	86 g-index
86 ext. papers	15,535 ext. citations	7.7 avg, IF	6.22 L-index

#	Paper	IF	Citations
84	The role of LTBP3 in TGF beta signaling. <i>Developmental Dynamics</i> , <b>2021</b> ,	2.9	3
83	Osteoblastic monocyte chemoattractant protein-1 (MCP-1) mediation of parathyroid hormone $\alpha$ anabolic actions in bone implicates TGF- $\beta$ signaling. <i>Bone</i> , <b>2021</b> , 143, 115762	4.7	3
82	Intraarticular injection of liposomal adenosine reduces cartilage damage in established murine and rat models of osteoarthritis. <i>Scientific Reports</i> , <b>2020</b> , 10, 13477	4.9	7
81	LTBP3 in biology and medicine: LTBP diseases. <i>Matrix Biology</i> , <b>2018</b> , 71-72, 90-99	11.4	43
80	LTBP3 Pathogenic Variants Predispose Individuals to Thoracic Aortic Aneurysms and Dissections. <i>American Journal of Human Genetics</i> , <b>2018</b> , 102, 706-712	11	34
79	Enamel and dental anomalies in latent-transforming growth factor beta-binding protein 3 mutant mice. <i>European Journal of Oral Sciences</i> , <b>2017</b> , 125, 8-17	2.3	11
78	Latent TGF- $\beta$ -binding protein-1 deficiency decreases female fertility. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 482, 1387-1392	3.4	4
77	Pulsed Electromagnetic Field Regulates MicroRNA 21 Expression to Activate TGF- $\beta$ Signaling in Human Bone Marrow Stromal Cells to Enhance Osteoblast Differentiation. <i>Stem Cells International</i> , <b>2017</b> , 2017, 2450327	5	43
76	Regulation of the Bioavailability of TGF- $\beta$ and TGF- $\beta$ -Related Proteins. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2016</b> , 8,	10.2	184
75	Abrogation of both short and long forms of latent transforming growth factor- $\beta$ -binding protein-1 causes defective cardiovascular development and is perinatally lethal. <i>Matrix Biology</i> , <b>2015</b> , 43, 61-70	11.4	15
74	Function of latent TGF- $\beta$ -binding protein 4 and fibulin 5 in elastogenesis and lung development. <i>Journal of Cellular Physiology</i> , <b>2015</b> , 230, 226-36	7	33
73	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> , <b>2015</b> , 112, 14012-7	11.5	30
72	L(59) TGF- $\beta$ -LAP degradation products serve as a promising blood biomarker for liver fibrogenesis in mice. <i>Fibrogenesis and Tissue Repair</i> , <b>2015</b> , 8, 17		8
71	Isolation and cytokine analysis of lamina propria lymphocytes from mucosal biopsies of the human colon. <i>Journal of Immunological Methods</i> , <b>2015</b> , 421, 27-35	2.5	12
70	Latent TGF- $\beta$ -binding proteins. <i>Matrix Biology</i> , <b>2015</b> , 47, 44-53	11.4	233
69	Mutations in the latent TGF-beta binding protein 3 (LTBP3) gene cause brachyolmia with amelogenesis imperfecta. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 3038-49	5.6	24
68	LAP degradation product reflects plasma kallikrein-dependent TGF- $\beta$ activation in patients with hepatic fibrosis. <i>SpringerPlus</i> , <b>2014</b> , 3, 221		18

67	Noninvasive diagnosis and management of spontaneous intracranial hypotension in patients with marfan syndrome: Case Report and Review of the Literature. <i>Surgical Neurology International</i> , <b>2014</b> , 5, 8	1	12
66	Genetic suppression of inflammation blocks the tumor-promoting effects of TGF- $\beta$ in gastric tissue. <i>Cancer Research</i> , <b>2014</b> , 74, 2642-51	10.1	13
65	Unchaining the beast; insights from structural and evolutionary studies on TGF $\beta$ secretion, sequestration, and activation. <i>Cytokine and Growth Factor Reviews</i> , <b>2013</b> , 24, 355-72	17.9	83
64	Production of gastrointestinal tumors in mice by modulating latent TGF- $\beta$ activation. <i>Cancer Research</i> , <b>2013</b> , 73, 459-68	10.1	15
63	Latent TGF- $\beta$ -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> , <b>2013</b> , 110, 2852-7	11.5	106
62	LTBPs, more than just an escort service. <i>Journal of Cellular Biochemistry</i> , <b>2012</b> , 113, 410-8	4.7	100
61	Specificity of latent TGF- $\beta$ -binding protein (LTBP) incorporation into matrix: role of fibrillins and fibronectin. <i>Journal of Cellular Physiology</i> , <b>2012</b> , 227, 3828-36	7	131
60	Matrix control of transforming growth factor- $\beta$ function. <i>Journal of Biochemistry</i> , <b>2012</b> , 152, 321-9	3.1	178
59	Control of lung development by latent TGF- $\beta$ -binding proteins. <i>Journal of Cellular Physiology</i> , <b>2011</b> , 226, 1499-509	7	23
58	Long form of latent TGF- $\beta$ -binding protein 1 (Ltbp1L) regulates cardiac valve development. <i>Developmental Dynamics</i> , <b>2011</b> , 240, 176-87	2.9	42
57	Bone matrix to growth factors: location, location, location. <i>Journal of Cell Biology</i> , <b>2010</b> , 190, 949-51	7.3	5
56	E-selectin ligand-1 regulates growth plate homeostasis in mice by inhibiting the intracellular processing and secretion of mature TGF-beta. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 2474-85	15.9	21
55	Latent transforming growth factor beta-binding proteins and fibulins compete for fibrillin-1 and exhibit exquisite specificities in binding sites. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 16872-16881	5.4	130
54	F-spondin, a neuroregulatory protein, is up-regulated in osteoarthritis and regulates cartilage metabolism via TGF-beta activation. <i>FASEB Journal</i> , <b>2009</b> , 23, 79-89	0.9	46
53	Extracellular microfibrils: contextual platforms for TGFbeta and BMP signaling. <i>Current Opinion in Cell Biology</i> , <b>2009</b> , 21, 616-22	9	173
52	Dual functions for LTBP in lung development: LTBP-4 independently modulates elastogenesis and TGF-beta activity. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 219, 14-22	7	51
51	Mutations in LTBP4 cause a syndrome of impaired pulmonary, gastrointestinal, genitourinary, musculoskeletal, and dermal development. <i>American Journal of Human Genetics</i> , <b>2009</b> , 85, 593-605	11	111
50	Perturbation of transforming growth factor (TGF)-beta1 association with latent TGF-beta binding protein yields inflammation and tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 18758-63	11.5	83

49	In vitro and in vivo evidence for shear-induced activation of latent transforming growth factor-beta1. <i>Blood</i> , <b>2008</b> , 112, 3650-60	2.2	106
48	Long form of latent TGF-beta binding protein 1 (Ltbp1L) is essential for cardiac outflow tract septation and remodeling. <i>Development (Cambridge)</i> , <b>2007</b> , 134, 3723-32	6.6	69
47	Myofibroblast contraction activates latent TGF-beta1 from the extracellular matrix. <i>Journal of Cell Biology</i> , <b>2007</b> , 179, 1311-23	7.3	952
46	Losartan, an AT1 antagonist, prevents aortic aneurysm in a mouse model of Marfan syndrome. <i>Science</i> , <b>2006</b> , 312, 117-21	33.3	1349
45	Isoform-specific activation of latent transforming growth factor beta (LTGF-beta) by reactive oxygen species. <i>Radiation Research</i> , <b>2006</b> , 166, 839-48	3.1	198
44	Expression of truncated latent TGF-beta-binding protein modulates TGF-beta signaling. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 2177-87	5.3	36
43	Amino acid requirements for formation of the TGF-beta-latent TGF-beta binding protein complexes. <i>Journal of Molecular Biology</i> , <b>2005</b> , 345, 175-86	6.5	50
42	Lung alveolar septation defects in Ltbp-3-null mice. <i>American Journal of Pathology</i> , <b>2005</b> , 167, 419-28	5.8	54
41	A syndrome of altered cardiovascular, craniofacial, neurocognitive and skeletal development caused by mutations in TGFBR1 or TGFBR2. <i>Nature Genetics</i> , <b>2005</b> , 37, 275-81	36.3	1302
40	Latent transforming growth factor-beta (TGF-beta) binding proteins: orchestrators of TGF-beta availability. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 7409-12	5.4	333
39	Fibronectin is required for integrin alphavbeta6-mediated activation of latent TGF-beta complexes containing LTBP-1. <i>FASEB Journal</i> , <b>2005</b> , 19, 1798-808	0.9	141
38	Integrin alphaVbeta6-mediated activation of latent TGF-beta requires the latent TGF-beta binding protein-1. <i>Journal of Cell Biology</i> , <b>2004</b> , 165, 723-34	7.3	377
37	Latent transforming growth factor beta-binding protein 1 interacts with fibrillin and is a microfibril-associated protein. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 2750-7	5.4	420
36	Growth retardation as well as spleen and thymus involution in latent TGF-beta binding protein (Ltbp)-3 null mice. <i>Journal of Cellular Physiology</i> , <b>2003</b> , 196, 319-25	7	22
35	Solution structure of the third TB domain from LTBP1 provides insight into assembly of the large latent complex that sequesters latent TGF-beta. <i>Journal of Molecular Biology</i> , <b>2003</b> , 334, 281-91	6.5	43
34	Molecular cloning of the mouse Ltbp-1 gene reveals tissue specific expression of alternatively spliced forms. <i>Gene</i> , <b>2003</b> , 308, 31-41	3.8	22
33	Cell signaling events: a view from the matrix. <i>Matrix Biology</i> , <b>2003</b> , 22, 101-7	11.4	136
32	Making sense of latent TGFbeta activation. <i>Journal of Cell Science</i> , <b>2003</b> , 116, 217-24	5.3	1297

31	Bone abnormalities in latent TGF-[beta] binding protein (Ltbp)-3-null mice indicate a role for Ltbp-3 in modulating TGF-[beta] bioavailability. <i>Journal of Cell Biology</i> , <b>2002</b> , 156, 227-32	7.3	183
30	The integrin alphaVbeta6 binds and activates latent TGFbeta3. <i>FEBS Letters</i> , <b>2002</b> , 511, 65-8	3.8	120
29	Latent TGF-beta binding protein-3 (LTBP-3) requires binding to TGF-beta for secretion. <i>FEBS Letters</i> , <b>2002</b> , 517, 277-80	3.8	39
28	The latent transforming growth factor-beta-binding protein-1 promotes in vitro differentiation of embryonic stem cells into endothelium. <i>Molecular Biology of the Cell</i> , <b>2000</b> , 11, 4295-308	3.5	66
27	Proteolytic control of growth factor availability. <i>Apmis</i> , <b>1999</b> , 107, 80-5	3.4	132
26	The integrin alpha v beta 6 binds and activates latent TGF beta 1: a mechanism for regulating pulmonary inflammation and fibrosis. <i>Cell</i> , <b>1999</b> , 96, 319-28	56.2	1631
25	Interactions between growth factors and integrins: latent forms of transforming growth factor-beta are ligands for the integrin alphavbeta1. <i>Molecular Biology of the Cell</i> , <b>1998</b> , 9, 2627-38	3.5	205
24	Latent transforming growth factor-beta binding protein domains involved in activation and transglutaminase-dependent cross-linking of latent transforming growth factor-beta. <i>Journal of Cell Biology</i> , <b>1997</b> , 136, 1151-63	7.3	323
23	Biological roles of fibroblast growth factor-2. <i>Endocrine Reviews</i> , <b>1997</b> , 18, 26-45	27.2	677
22	TGF-beta latency: biological significance and mechanisms of activation. <i>Stem Cells</i> , <b>1997</b> , 15, 190-7	5.8	212
21	Characterization of fibroblast growth factor-2 binding to ribosomes. <i>Growth Factors</i> , <b>1996</b> , 13, 219-28	1.6	9
20	Identification and characterization of an eight-cysteine repeat of the latent transforming growth factor-beta binding protein-1 that mediates bonding to the latent transforming growth factor-beta1. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 29891-6	5.4	118
19	Lipopolysaccharide inhibits activation of latent transforming growth factor-beta in bovine endothelial cells. <i>Journal of Cellular Physiology</i> , <b>1995</b> , 163, 210-9	7	13
18	Tumor cells secrete an angiogenic factor that stimulates basic fibroblast growth factor and urokinase expression in vascular endothelial cells. <i>Journal of Cellular Physiology</i> , <b>1994</b> , 161, 1-14	7	32
17	Studies on FGF-2: nuclear localization and function of high molecular weight forms and receptor binding in the absence of heparin. <i>Molecular Reproduction and Development</i> , <b>1994</b> , 39, 102-4; discussion 104-5	2.6	24
16	Mechanism of retinoid-induced activation of latent transforming growth factor-beta in bovine endothelial cells. <i>Journal of Cellular Physiology</i> , <b>1993</b> , 155, 323-32	7	96
15	Mechanism of action of angiostatic steroids: suppression of plasminogen activator activity via stimulation of plasminogen activator inhibitor synthesis. <i>Journal of Cellular Physiology</i> , <b>1993</b> , 155, 568-78	7	134
14	TGF-β Structure, Function, and Formation. <i>Thrombosis and Haemostasis</i> , <b>1993</b> , 70, 177-179	7	48

13	A wound healing model using healing-impaired diabetic mice. <i>Journal of Dermatology</i> , <b>1992</b> , 19, 673-5	1.6	54
12	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> , <b>1992</b> , 150, 258-63	7	165
11	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> , <b>1992</b> , 151, 81-93	7	397
10	Cell density dependent effects of TGF-beta demonstrated by a plasminogen activator-based assay for TGF-beta. <i>Journal of Cellular Physiology</i> , <b>1992</b> , 152, 48-55	7	24
9	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> , <b>1991</b> , 47, 201-7	4.7	123
8	Extracellular matrix regulation of growth factor and protease activity. <i>Current Opinion in Cell Biology</i> , <b>1991</b> , 3, 817-23	9	108
7	Bimodal relationship between invasion of the amniotic membrane and plasminogen activator activity. <i>International Journal of Cancer</i> , <b>1990</b> , 46, 56-60	7.5	40
6	Long-term culture of human bone marrow stromal cells in the presence of basic fibroblast growth factor. <i>Growth Factors</i> , <b>1990</b> , 3, 231-6	1.6	63
5	Both normal and tumor cells produce basic fibroblast growth factor. <i>Journal of Cellular Physiology</i> , <b>1986</b> , 129, 273-6	7	217
4	Stimulation of motility in cultured bovine capillary endothelial cells by angiogenic preparations. <i>Journal of Cellular Physiology</i> , <b>1984</b> , 119, 247-54	7	20
3	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. <i>Journal of Cellular Physiology</i> , <b>1981</b> , 109, 1-15	7	37
2	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> , <b>1980</b> , 105, 417-22	7	12
1	Tumorigenicity of revertant from an SV40-transformed line. <i>Journal of Supramolecular Structure</i> , <b>1979</b> , 11, 539-46		12