

# Latent TGF- $\hat{I}^2$ structure and activation

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Citation Report

#	ARTICLE	IF	CITATIONS
2	TGF- $\beta$ 2 in transplantation tolerance. <i>Current Opinion in Immunology</i> , 2011, 23, 660-669.	2.4	57
3	Pericytes: Developmental, Physiological, and Pathological Perspectives, Problems, and Promises. <i>Developmental Cell</i> , 2011, 21, 193-215.	3.1	2,123
4	The Single-Molecule Mechanics of the Latent TGF- $\beta$ 21 Complex. <i>Current Biology</i> , 2011, 21, 2046-2054.	1.8	214
5	Prodomains regulate the synthesis, extracellular localisation and activity of TGF- $\beta$ 2 superfamily ligands. <i>Growth Factors</i> , 2011, 29, 174-186.	0.5	99
6	$\alpha$ 6 $\beta$ 1 Integrin Promotes Corneal Wound Healing. , 2011, 52, 8505.		40
7	Microenvironmental Regulation by Fibrillin-1. <i>PLoS Genetics</i> , 2012, 8, e1002425.	1.5	118
8	Improved throughput traction microscopy reveals pivotal role for matrix stiffness in fibroblast contractility and TGF- $\beta$ 2 responsiveness. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 303, L169-L180.	1.3	131
9	GARP regulates the bioavailability and activation of TGF- $\beta$ 2. <i>Molecular Biology of the Cell</i> , 2012, 23, 1129-1139.	0.9	153
10	Modulation of Acute Lung Injury by Integrins. <i>Proceedings of the American Thoracic Society</i> , 2012, 9, 126-129.	3.5	16
11	Activation of Latent Human GDF9 by a Single Residue Change (Gly391Arg) in the Mature Domain. <i>Endocrinology</i> , 2012, 153, 1301-1310.	1.4	40
12	TGF- $\beta$ 2: the sword, the wand, and the shield of FOXP3+ regulatory T cells. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 29-37.	1.5	223
13	Defective Retinal Vascular Endothelial Cell Development As a Consequence of Impaired Integrin $\alpha$ 8 $\beta$ 1-Mediated Activation of Transforming Growth Factor- $\beta$ 2. <i>Journal of Neuroscience</i> , 2012, 32, 1197-1206.	1.7	66
14	A Large Bioactive BMP Ligand with Distinct Signaling Properties Is Produced by Alternative Proconvertase Processing. <i>Science Signaling</i> , 2012, 5, ra28.	1.6	59
15	Latency-associated Peptide of Transforming Growth Factor- $\beta$ 1 Is Not Subject to Physiological Mannose Phosphorylation. <i>Journal of Biological Chemistry</i> , 2012, 287, 7526-7534.	1.6	10
16	Different Requirements for Proteolytic Processing of Bone Morphogenetic Protein 5/6/7/8 Ligands in <i>Drosophila melanogaster</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 5942-5953.	1.6	22
17	Matrix control of transforming growth factor- $\beta$ function. <i>Journal of Biochemistry</i> , 2012, 152, 321-329.	0.9	224
18	You're Going to Need a Bigger (Glass Bottom) Boat. <i>Science Signaling</i> , 2012, 5, pe14.	1.6	1
19	Blood Lactate Functions as a Signal for Enhancing Fatty Acid Metabolism during Exercise via TGF- $\beta$ 1 in the Brain. <i>Journal of Nutritional Science and Vitaminology</i> , 2012, 58, 88-95.	0.2	7

#	ARTICLE	IF	CITATIONS
20	Members of the DAN Family Are BMP Antagonists That Form Highly Stable Noncovalent Dimers. <i>Journal of Molecular Biology</i> , 2012, 424, 313-327.	2.0	54
21	Transforming growth factor- $\beta$ 1 in inflammatory airway disease: a key for understanding inflammation and remodeling. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012, 67, 1193-1202.	2.7	144
22	The ubiquitin-proteasome system and signal transduction pathways regulating Epithelial Mesenchymal transition of cancer. <i>Journal of Biomedical Science</i> , 2012, 19, 67.	2.6	69
23	Active immunization against the proregions of GDF9 or BMP15 alters ovulation rate and litter size in mice. <i>Reproduction</i> , 2012, 143, 195-201.	1.1	32
24	The Harmonies Played by TGF- $\beta$ 2 in Stem Cell Biology. <i>Cell Stem Cell</i> , 2012, 11, 751-764.	5.2	165
25	From IL-2 to IL-37: the expanding spectrum of anti-inflammatory cytokines. <i>Nature Immunology</i> , 2012, 13, 925-931.	7.0	334
26	Lysophosphatidic Acid Increases Proximal Tubule Cell Secretion of Profibrotic Cytokines PDGF-B and CTGF through LPA2- and G $\alpha$ -q-Mediated Rho and $\beta$ 6 Integrin-Dependent Activation of TGF- $\beta$ 2. <i>American Journal of Pathology</i> , 2012, 181, 1236-1249.	1.9	85
27	Regulation of TGF- $\beta$ 2 in the immune system: An emerging role for integrins and dendritic cells. <i>Immunobiology</i> , 2012, 217, 1259-1265.	0.8	99
28	Increased disulphide dimer formation of latent associated peptide fusions of TGF- $\beta$ 2 by addition of l-cysteine. <i>Journal of Biotechnology</i> , 2012, 161, 269-277.	1.9	7
29	Structure and function of the mammalian fibrillin gene family: Implications for human connective tissue diseases. <i>Molecular Genetics and Metabolism</i> , 2012, 107, 635-647.	0.5	89
30	Mechanical Aspects of Lung Fibrosis. <i>Proceedings of the American Thoracic Society</i> , 2012, 9, 137-147.	3.5	169
31	TGF- $\beta$ 2 signalling in context. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 616-630.	16.1	2,619
32	Autism spectrum disorders. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 745-746.	21.5	29
33	Targeting the TGF- $\beta$ 2 signalling pathway in disease. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 790-811.	21.5	1,207
34	Characterization of Follistatin-Type Domains and Their Contribution to Myostatin and Activin A Antagonism. <i>Molecular Endocrinology</i> , 2012, 26, 1167-1178.	3.7	28
35	A balancing act. <i>Nature Immunology</i> , 2012, 13, 901-901.	7.0	14
36	The role of the myofibroblast in tumor stroma remodeling. <i>Cell Adhesion and Migration</i> , 2012, 6, 203-219.	1.1	202
37	Recent Developments in Myofibroblast Biology. <i>American Journal of Pathology</i> , 2012, 180, 1340-1355.	1.9	1,043

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38	Thrombospondin1 in tissue repair and fibrosis: TGF- $\beta$ -dependent and independent mechanisms. <i>Matrix Biology</i> , 2012, 31, 178-186.	1.5	189
39	Shearing of synovial fluid activates latent TGF- $\beta$ . <i>Osteoarthritis and Cartilage</i> , 2012, 20, 1374-1382.	0.6	86
40	Growth Differentiation Factor 15 in Heart Failure: An Update. <i>Current Heart Failure Reports</i> , 2012, 9, 337-345.	1.3	95
41	$\beta$ 1 Integrins restrict the growth of foci and spheroids. <i>Histochemistry and Cell Biology</i> , 2012, 138, 881-894.	0.8	13
43	Immobilized Metal Affinity Chromatography Co-Purifies TGF- $\beta$ 1 with Histidine-Tagged Recombinant Extracellular Proteins. <i>PLoS ONE</i> , 2012, 7, e48629.	1.1	16
44	Biological Significance of Local TGF- $\beta$ Activation in Liver Diseases. <i>Frontiers in Physiology</i> , 2012, 3, 12.	1.3	85
45	Missense Mutations in GDF-5 Signaling: Molecular Mechanisms Behind Skeletal Malformation. , 2012, , .		0
46	Neuropilins are multifunctional coreceptors involved in tumor initiation, growth, metastasis and immunity. <i>Oncotarget</i> , 2012, 3, 921-939.	0.8	228
47	5.2 Integrin function in heart fibrosis: mechanical strain, transforming growth factor-beta 1 activation, and collagen glycation. , 2012, , 406-431.		0
48	Two anatomically distinct niches regulate stem cell activity. <i>Blood</i> , 2012, 120, 2174-2181.	0.6	65
49	Latent TGF- $\beta$ Hydrogels for Cartilage Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2012, 1, 480-484.	3.9	18
50	Promiscuity and specificity in BMP receptor activation. <i>FEBS Letters</i> , 2012, 586, 1846-1859.	1.3	252
51	Transforming growth factor- $\beta$ 1 polymorphisms and the outcome of hematopoietic stem cell transplantation. <i>International Journal of Immunogenetics</i> , 2012, 39, 192-202.	0.8	5
52	Epithelial cells utilize cortical actin/myosin to activate latent TGF- $\beta$ through integrin $\beta$ 6-dependent physical force. <i>Experimental Cell Research</i> , 2012, 318, 716-722.	1.2	94
53	The role of cell-extracellular matrix interactions in glomerular injury. <i>Experimental Cell Research</i> , 2012, 318, 1001-1010.	1.2	23
54	LTBPs, more than just an escort service. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 410-418.	1.2	117
55	Vascular damage in the central nervous system: a multifaceted role for vascular-derived TGF- $\beta$ . <i>Cell and Tissue Research</i> , 2012, 347, 187-201.	1.5	18
56	Functional diversity and pharmacological profiles of the FKBP and their complexes with small natural ligands. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 3243-3275.	2.4	37

#	ARTICLE	IF	CITATIONS
58	Extracellular Matrix in Development. <i>Biology of Extracellular Matrix</i> , 2013, , .	0.3	11
59	Use of detergent-based buffers allows detection of precursor inhibin forms in an immunoassay format. <i>Molecular and Cellular Endocrinology</i> , 2013, 381, 106-114.	1.6	6
60	Fine-tuned shuttles for bone morphogenetic proteins. <i>Current Opinion in Genetics and Development</i> , 2013, 23, 374-384.	1.5	25
61	Characterization of a novel missense mutation in the prodomain of GDF5, which underlies brachydactyly type C and mild Grebe type chondrodysplasia in a large Pakistani family. <i>Human Genetics</i> , 2013, 132, 1253-1264.	1.8	19
62	Unchaining the beast; insights from structural and evolutionary studies on TGF $\beta$ <sup>2</sup> secretion, sequestration, and activation. <i>Cytokine and Growth Factor Reviews</i> , 2013, 24, 355-372.	3.2	99
63	Targeting of $\alpha$ v integrin identifies a core molecular pathway that regulates fibrosis in several organs. <i>Nature Medicine</i> , 2013, 19, 1617-1624.	15.2	737
64	Val66Met polymorphism of BDNF alters prodomain structure to induce neuronal growth cone retraction. <i>Nature Communications</i> , 2013, 4, 2490.	5.8	185
65	Hepatic Stellate Cells and Liver Fibrosis. , 2013, 3, 1473-1492.		561
66	Latent myostatin has significant activity and this activity is controlled more efficiently by WFIKKN 1 than by WFIKKN 2. <i>FEBS Journal</i> , 2013, 280, 3822-3839.	2.2	30
67	Therapy for Fibrotic Diseases: Nearing the Starting Line. <i>Science Translational Medicine</i> , 2013, 5, 167sr1.	5.8	546
68	Integrin-mediated regulation of TGF $\beta$ <sup>2</sup> in fibrosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 891-896.	1.8	163
69	Physical and chemical microenvironmental cues orthogonally control the degree and duration of fibrosis-associated epithelial-to-mesenchymal transitions. <i>Journal of Pathology</i> , 2013, 229, 25-35.	2.1	125
70	A Helical RGD Motif Promoting Cell Adhesion: Crystal Structures of the Helicobacter pylori Type IV Secretion System Pilus Protein CagL. <i>Structure</i> , 2013, 21, 1931-1941.	1.6	70
71	Mesoporous hydroxyapatite by hard templating of silica and carbon foams for protein release. <i>Journal of Materials Science</i> , 2013, 48, 3722-3730.	1.7	17
72	Inhibition of TGF- $\beta$ <sup>2</sup> signaling in mesenchymal stem cells of subchondral bone attenuates osteoarthritis. <i>Nature Medicine</i> , 2013, 19, 704-712.	15.2	780
73	Transforming Growth Factor-Beta in Prostate Cancer. , 2013, , 207-242.		1
74	Species Differences in the Expression and Activity of Bone Morphogenetic Protein 15. <i>Endocrinology</i> , 2013, 154, 888-899.	1.4	28
75	Regenerative activity of the lung after epithelial injury. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 922-930.	1.8	46

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76	Interactions Between Neural Crest-Derived Cells and Extracellular Microenvironment During Cardiovascular Development. <i>Biology of Extracellular Matrix</i> , 2013, , 105-131.	0.3	6
77	It has to be the $\hat{\pm}v$ : myofibroblast integrins activate latent TGF- $\hat{\pm}1$ . <i>Nature Medicine</i> , 2013, 19, 1567-1568.	15.2	57
79	Notch4-dependent antagonism of canonical TGF- $\hat{\pm}1$ signaling defines unique temporal fluctuations of SMAD3 activity in sheared proximal tubular epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F123-F133.	1.3	10
80	The Factor VII-activating Protease (FSAP) Enhances the Activity of Bone Morphogenetic Protein-2 (BMP-2). <i>Journal of Biological Chemistry</i> , 2013, 288, 7193-7203.	1.6	14
81	Extracellular matrix microenvironment contributes actively to pulmonary fibrosis. <i>Current Opinion in Pulmonary Medicine</i> , 2013, 19, 446-452.	1.2	48
82	The biology of the extracellular matrix. <i>Current Opinion in Rheumatology</i> , 2013, 25, 65-70.	2.0	113
83	Biomechanical regulation of mesenchymal cell function. <i>Current Opinion in Rheumatology</i> , 2013, 25, 92-100.	2.0	57
84	Complete integrin headpiece opening in eight steps. <i>Journal of Cell Biology</i> , 2013, 201, 1053-1068.	2.3	191
85	Functional evaluation of a novel tooth agenesis-associated bone morphogenetic protein 4 prodomain mutation. <i>European Journal of Oral Sciences</i> , 2013, 121, 313-318.	0.7	19
86	Identification of the Thiol Isomerase-binding Peptide, Mastoparan, as a Novel Inhibitor of Shear-induced Transforming Growth Factor $\hat{\pm}1$ (TGF- $\hat{\pm}1$ ) Activation. <i>Journal of Biological Chemistry</i> , 2013, 288, 10628-10639.	1.6	24
87	A family with Camurati-Engelman disease. The role of the missense p.R218C mutation in TGF $\hat{\pm}1$ in bones and endocrine glands. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2013, 26, 987-993.	0.4	3
88	GARP Is Regulated by miRNAs and Controls Latent TGF- $\hat{\pm}1$ Production by Human Regulatory T Cells. <i>PLoS ONE</i> , 2013, 8, e76186.	1.1	37
89	NMR Spectroscopic and Bioinformatic Analyses of the LTBP1 C-Terminus Reveal a Highly Dynamic Domain Organisation. <i>PLoS ONE</i> , 2014, 9, e87125.	1.1	9
90	Pregnancy-specific glycoproteins: complex gene families regulating maternal-fetal interactions. <i>International Journal of Developmental Biology</i> , 2014, 58, 273-280.	0.3	108
91	Extracellular matrix as a contextual determinant of transforming growth factor- $\hat{\pm}2$ signaling in epithelial-mesenchymal transition and in cancer. <i>Cell Adhesion and Migration</i> , 2014, 8, 588-594.	1.1	37
92	CX3CR1(+) B Cells Show Immune Suppressor Properties. <i>Journal of Biological Chemistry</i> , 2014, 289, 22630-22635.	1.6	10
93	Expression of Versican V3 by Arterial Smooth Muscle Cells Alters Tumor Growth Factor $\hat{\pm}2$ (TGF $\hat{\pm}2$ ), Epidermal Growth Factor (EGF)-, and Nuclear Factor $\hat{\pm}B$ (NF $\hat{\pm}B$ )-dependent Signaling Pathways, Creating a Microenvironment That Resists Monocyte Adhesion. <i>Journal of Biological Chemistry</i> , 2014, 289, 15393-15404.	1.6	27
94	Allosteric activation of ADAMTS13 by von Willebrand factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18584-18589.	3.3	123

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95	Selective Targeting of TGF- $\beta$ 2 Activation to Treat Fibroinflammatory Airway Disease. <i>Science Translational Medicine</i> , 2014, 6, 241ra79.	5.8	79
96	Integrins and cadherins as therapeutic targets in fibrosis. <i>Frontiers in Pharmacology</i> , 2014, 5, 131.	1.6	56
97	The Role(s) of Cytokines/Chemokines in Urinary Bladder Inflammation and Dysfunction. <i>BioMed Research International</i> , 2014, 2014, 1-17.	0.9	54
98	Structural determinants of integrin $\beta$ 2-subunit specificity for latent TGF- $\beta$ 2. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 1091-1096.	3.6	115
99	Mechanisms of Fibrosis in IPF. , 2014, , 161-205.		6
100	Assessment of the effect of potential antifibrotic compounds on total and $\beta$ 2 integrin-mediated TGF- $\beta$ 2 activation. <i>Pharmacology Research and Perspectives</i> , 2014, 2, e00030.	1.1	16
101	Role of integrin signalling through integrin-linked kinase in skin physiology and pathology. <i>Experimental Dermatology</i> , 2014, 23, 453-456.	1.4	7
102	Single-particle EM reveals plasticity of interactions between the adenovirus penton base and integrin $\beta$ 3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8815-8819.	3.3	33
103	Biophysical and structural characterization of a folded core domain within the proregion of growth and differentiation factor $\beta$ 5. <i>FEBS Journal</i> , 2014, 281, 4866-4877.	2.2	4
104	Targeting latent TGF- $\beta$ 2 release in muscular dystrophy. <i>Science Translational Medicine</i> , 2014, 6, 259ra144.	5.8	41
105	Selective targeting of transforming growth factor-beta1 into TCR/CD28 signalling plasma membrane domains silences T cell activation. <i>Cell Communication and Signaling</i> , 2014, 12, 74.	2.7	3
106	Evolutionary Origin of Bone Morphogenetic Protein 15 and Growth and Differentiation Factor 9 and Differential Selective Pressure Between Mono- and Polyovulating Species1. <i>Biology of Reproduction</i> , 2014, 91, 83.	1.2	24
107	Photoactivation of Endogenous Latent Transforming Growth Factor- $\beta$ 1 Directs Dental Stem Cell Differentiation for Regeneration. <i>Science Translational Medicine</i> , 2014, 6, 238ra69.	5.8	206
108	Features of Cerebral Autosomal Recessive Arteriopathy With Subcortical Infarcts and Leukoencephalopathy. <i>Stroke</i> , 2014, 45, 3447-3453.	1.0	85
109	A comparative study of matrix metalloproteinase and aggrecanase mediated release of latent cytokines at arthritic joints. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 1728-1736.	0.5	9
110	Serum lysyl oxidase-like 2 levels and idiopathic pulmonary fibrosis disease progression. <i>European Respiratory Journal</i> , 2014, 43, 1430-1438.	3.1	129
111	Regulation of Bone Morphogenetic Protein 9 (BMP9) by Redox-dependent Proteolysis. <i>Journal of Biological Chemistry</i> , 2014, 289, 31150-31159.	1.6	40
112	Influenza Promotes Collagen Deposition via $\beta$ 2 Integrin-mediated Transforming Growth Factor $\beta$ 2 Activation. <i>Journal of Biological Chemistry</i> , 2014, 289, 35246-35263.	1.6	48

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113	Aberrant GDF9 Expression and Activation Are Associated With Common Human Ovarian Disorders. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E615-E624.	1.8	29
114	BMP growth factor signaling in a biomechanical context. <i>BioFactors</i> , 2014, 40, 171-187.	2.6	43
115	TGF- $\beta$ 2 Activation and Function in Immunity. <i>Annual Review of Immunology</i> , 2014, 32, 51-82.	9.5	649
117	Prestress in the extracellular matrix sensitizes latent TGF- $\beta$ 1 for activation. <i>Journal of Cell Biology</i> , 2014, 207, 283-297.	2.3	184
118	Integrins $\alpha$ 25 and $\alpha$ 23 promote latent TGF- $\beta$ 1 activation by human cardiac fibroblast contraction. <i>Cardiovascular Research</i> , 2014, 102, 407-417.	1.8	184
119	Latency can be conferred to a variety of cytokines by fusion with latency-associated peptide from TGF- $\beta$ . <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 5-16.	2.4	11
120	Airway smooth muscle in asthma: Linking contraction and mechanotransduction to disease pathogenesis and remodelling. <i>Pulmonary Pharmacology and Therapeutics</i> , 2014, 29, 96-107.	1.1	76
121	A time- and matrix-dependent TGFBR3- $\beta$ JUN- $\beta$ KRT5 regulatory circuit in single breast epithelial cells and basal-like premalignancies. <i>Nature Cell Biology</i> , 2014, 16, 345-356.	4.6	70
122	Molecular Analysis of Two Novel Missense Mutations in the GDF5 Proregion That Reduce Protein Activity and Are Associated with Brachydactyly Type C. <i>Journal of Molecular Biology</i> , 2014, 426, 3221-3231.	2.0	10
123	Nodal-Gdf1 Heterodimers with Bound Prodomains Enable Serum-independent Nodal Signaling and Endoderm Differentiation. <i>Journal of Biological Chemistry</i> , 2014, 289, 17854-17871.	1.6	36
124	Transforming growth factor $\beta$ 2 and severe asthma: A perfect storm. <i>Respiratory Medicine</i> , 2014, 108, 1409-1423.	1.3	123
125	In vivo assessment of guided neural stem cell differentiation in growth factor immobilized chitosan-based hydrogel scaffolds. <i>Biomaterials</i> , 2014, 35, 9049-9057.	5.7	93
126	Sequestration of latent TGF- $\beta$ 2 binding protein 1 into CADASIL-related Notch3-ECD deposits. <i>Acta Neuropathologica Communications</i> , 2014, 2, 96.	2.4	54
127	LAP degradation product reflects plasma kallikrein-dependent TGF- $\beta$ 2 activation in patients with hepatic fibrosis. <i>SpringerPlus</i> , 2014, 3, 221.	1.2	23
128	The physical basis of renal fibrosis: effects of altered hydrodynamic forces on kidney homeostasis. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F473-F485.	1.3	50
129	Cleavage of the Drosophila screw prodomain is critical for a dynamic BMP morphogen gradient in embryogenesis. <i>Developmental Biology</i> , 2014, 389, 149-159.	0.9	26
130	Dendritic cells generated with Flt3L and exposed to apoptotic cells lack induction of T cell anergy and Foxp3+ regulatory T cell conversion in vitro. <i>Immunobiology</i> , 2014, 219, 230-240.	0.8	7
131	Mechanotransduction and fibrosis. <i>Journal of Biomechanics</i> , 2014, 47, 1997-2005.	0.9	157

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132	Regulation of TGF $\beta$ 2 and related signals by precursor processing. <i>Seminars in Cell and Developmental Biology</i> , 2014, 32, 85-97.	2.3	78
133	TGF $\beta$ 2 signaling pathway as a pharmacological target in liver diseases. <i>Pharmacological Research</i> , 2014, 85, 15-22.	3.1	34
134	Transcriptional profiling of the human fibrillin/LTBP gene family, key regulators of mesenchymal cell functions. <i>Molecular Genetics and Metabolism</i> , 2014, 112, 73-83.	0.5	39
135	Highly reinforced structure of a C-terminal dimerization domain in von Willebrand factor. <i>Blood</i> , 2014, 123, 1785-1793.	0.6	60
136	Emerging molecular mechanism for cerebral small vessel disease: Lessons from hereditary small vessel disease. <i>Neurology and Clinical Neuroscience</i> , 2015, 3, 7-13.	0.2	2
137	Cardiac endothelial cell-derived exosomes induce specific regulatory B cells. <i>Scientific Reports</i> , 2014, 4, 7583.	1.6	49
138	Modifications of Human Growth Differentiation Factor 9 to Improve the Generation of Embryos From Low Competence Oocytes. <i>Molecular Endocrinology</i> , 2015, 29, 40-52.	3.7	16
139	L59 TGF $\beta$ 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
140	Esophageal cancer-derived microvesicles induce regulatory B cells. <i>Cell Biochemistry and Function</i> , 2015, 33, 308-313.	1.4	43
141	Modifier genes and their effect on Duchenne muscular dystrophy. <i>Current Opinion in Neurology</i> , 2015, 28, 528-534.	1.8	53
142	Inflammation as a Keystone of Bone Marrow Stroma Alterations in Primary Myelofibrosis. <i>Mediators of Inflammation</i> , 2015, 2015, 1-16.	1.4	54
143	Abnormal Activation of BMP Signaling Causes Myopathy in Fbn2 Null Mice. <i>PLoS Genetics</i> , 2015, 11, e1005340.	1.5	47
144	Transforming growth factor $\beta$ 2: an important mediator in Helicobacter pylori-associated pathogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 77.	1.8	24
145	Signaling in Fibrosis: TGF $\beta$ 2, WNT, and YAP/TAZ Converge. <i>Frontiers in Medicine</i> , 2015, 2, 59.	1.2	350
146	Cruzipain Activates Latent TGF $\beta$ 2 from Host Cells during T. cruzi Invasion. <i>PLoS ONE</i> , 2015, 10, e0124832.	1.1	28
147	The Inhibitory Core of the Myostatin Prodomain: Its Interaction with Both Type I and II Membrane Receptors, and Potential to Treat Muscle Atrophy. <i>PLoS ONE</i> , 2015, 10, e0133713.	1.1	30
148	Mechanosensitivity of the 2nd Kind: TGF $\beta$ 2 Mechanism of Cell Sensing the Substrate Stiffness. <i>PLoS ONE</i> , 2015, 10, e0139959.	1.1	15
149	Carbon nanotube-assisted optical activation of TGF $\beta$ 2 signalling by near-infrared light. <i>Nature Nanotechnology</i> , 2015, 10, 465-471.	15.6	57

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150	The $\alpha$ 1 integrin plays a critical in vivo role in tissue fibrosis. <i>Science Translational Medicine</i> , 2015, 7, 288ra79.	5.8	227
151	Epithelial-Mesenchymal Interactions in Fibrosis and Repair. Transforming Growth Factor- $\beta$ Activation by Epithelial Cells and Fibroblasts. <i>Annals of the American Thoracic Society</i> , 2015, 12, S21-S23.	1.5	62
152	Mechanisms of Oral Tolerance to Soluble Protein Antigens. , 2015, , 831-848.		2
153	Latent TGF- $\beta$ -binding proteins. <i>Matrix Biology</i> , 2015, 47, 44-53.	1.5	346
154	A core domain of the BMP2 proregion is sufficient for the biogenesis of mature homodimeric growth factor. <i>Biological Chemistry</i> , 2015, 396, 215-223.	1.2	5
155	The role of TGF $\beta$ 1 and LRG1 in cardiac remodelling and heart failure. <i>Biophysical Reviews</i> , 2015, 7, 91-104.	1.5	47
156	Correlation between Fibrillin-1 Degradation and mRNA Downregulation and Myofibroblast Differentiation in Cultured Human Dental Pulp Tissue. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 438-448.	1.3	10
157	The footprint of TGF- $\beta$ in airway remodeling of the mustard lung. <i>Inhalation Toxicology</i> , 2015, 27, 745-753.	0.8	11
158	A coding polymorphism in the BMP2 gene is associated with iron overload in non-HFE haemochromatosis patients. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 55, 318-319.	0.6	1
159	Structural determinants of heparin-transforming growth factor- $\beta$ 1 interactions and their effects on signaling. <i>Glycobiology</i> , 2015, 25, 1491-1504.	1.3	38
160	Transforming growth factor- $\beta$ , MAPK and Wnt signaling interactions in colorectal cancer. <i>EuPA Open Proteomics</i> , 2015, 8, 104-115.	2.5	31
161	Cyclic mechanical strain induces TGF $\beta$ 1-signalling in dermal fibroblasts embedded in a 3D collagen lattice. <i>Archives of Dermatological Research</i> , 2015, 307, 191-197.	1.1	10
162	K153R polymorphism in myostatin gene increases the rate of promyostatin activation by furin. <i>FEBS Letters</i> , 2015, 589, 295-301.	1.3	34
163	cDNA structure and the effect of fasting on myostatin expression in walking catfish ( <i>Clarias</i> ) Tj ETQq1 1 0.784314 ggBT /Overlock 10 16	0.9	16
164	Corneal stroma microfibrils. <i>Experimental Eye Research</i> , 2015, 132, 198-207.	1.2	23
165	Identification of the Minimum Peptide from Mouse Myostatin Prodomain for Human Myostatin Inhibition. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1544-1549.	2.9	40
166	The immune suppressive function of transforming growth factor- $\beta$ (TGF- $\beta$ ) in human diseases. <i>Growth Factors</i> , 2015, 33, 92-101.	0.5	61
167	Induction and Activation of Latent Transforming Growth Factor- $\beta$ 1 Are Carried out by Two Distinct Domains of Pregnancy-specific Glycoprotein 1 (PSG1). <i>Journal of Biological Chemistry</i> , 2015, 290, 4422-4431.	1.6	32

#	ARTICLE	IF	CITATIONS
168	The Stressful Life of Cardiac Myofibroblasts. , 2015, , 71-92.		1
169	Integrative analyses of miRNA and proteomics identify potential biological pathways associated with onset of pulmonary fibrosis in the bleomycin rat model. <i>Toxicology and Applied Pharmacology</i> , 2015, 286, 188-197.	1.3	14
170	A mathematical model for lymphangiogenesis in normal and diabetic wounds. <i>Journal of Theoretical Biology</i> , 2015, 383, 61-86.	0.8	29
171	Cardiac Fibrosis and Heart Failure: Cause or Effect?. , 2015, , .		4
172	Pericytes as targets in hereditary hemorrhagic telangiectasia. <i>Frontiers in Genetics</i> , 2015, 6, 37.	1.1	42
173	Matrix, Mesenchyme, and Mechanotransduction. <i>Annals of the American Thoracic Society</i> , 2015, 12, S24-S29.	1.5	50
174	Bone morphogenetic protein signaling in bone homeostasis. <i>Bone</i> , 2015, 80, 43-59.	1.4	163
175	Foxf2 Is Required for Brain Pericyte Differentiation and Development and Maintenance of the Blood-Brain Barrier. <i>Developmental Cell</i> , 2015, 34, 19-32.	3.1	107
176	Mutations in a TGF- $\beta$ 2 Ligand, TGFB3, Cause Syndromic Aortic Aneurysms and Dissections. <i>Journal of the American College of Cardiology</i> , 2015, 65, 1324-1336.	1.2	238
177	The prodomain of BMP4 is necessary and sufficient to generate stable BMP4/7 heterodimers with enhanced bioactivity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2307-16.	3.3	37
178	The fibrillin microfibril scaffold: A niche for growth factors and mechanosensation?. <i>Matrix Biology</i> , 2015, 47, 3-12.	1.5	107
179	Structure of bone morphogenetic protein 9 procomplex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3710-3715.	3.3	100
180	Redox-fibrosis: Impact of TGF- $\beta$ 1 on ROS generators, mediators and functional consequences. <i>Redox Biology</i> , 2015, 6, 344-352.	3.9	197
181	Current and Future Strategies for the Diagnosis and Treatment of Cardiac Fibrosis. , 2015, , 181-217.		2
182	The Thrombospondin1-TGF- $\beta$ 2 Pathway and Glaucoma. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2015, 31, 371-375.	0.6	15
183	Transforming Growth Factor- $\beta$ 2 and Interleukin-1 $\beta$ Signaling Pathways Converge on the Chemokine CCL20 Promoter. <i>Journal of Biological Chemistry</i> , 2015, 290, 14717-14728.	1.6	22
184	Integrin Engagement by the Helical RGD Motif of the Helicobacter pylori CagL Protein Is Regulated by pH-induced Displacement of a Neighboring Helix. <i>Journal of Biological Chemistry</i> , 2015, 290, 12929-12940.	1.6	26
185	Mechanisms of BMP Receptor Interaction and Activation. <i>Vitamins and Hormones</i> , 2015, 99, 1-61.	0.7	10

#	ARTICLE	IF	CITATIONS
186	Matters of context guide future research in TGF $\beta$ 2 superfamily signaling. <i>Science Signaling</i> , 2015, 8, re10.	1.6	44
187	An Extra Arm May Impair the Open Hand. <i>Endocrinology</i> , 2015, 156, 2751-2752.	1.4	0
188	Inhibin Biosynthesis and Activity Are Limited by a Prodomain-Derived Peptide. <i>Endocrinology</i> , 2015, 156, 3047-3057.	1.4	10
189	Fibrillin-containing microfibrils are key signal relay stations for cell function. <i>Journal of Cell Communication and Signaling</i> , 2015, 9, 309-325.	1.8	33
190	The extracellular matrix and transforming growth factor- $\beta$ 1: Tale of a strained relationship. <i>Matrix Biology</i> , 2015, 47, 54-65.	1.5	453
191	Co-immobilization of semaphorin3A and nerve growth factor to guide and pattern axons. <i>Acta Biomaterialia</i> , 2015, 28, 33-44.	4.1	19
192	Innovative Medicine. , 2015, , .		17
193	GLYCO 23 XXIII International Symposium on Glycoconjugates. <i>Glycoconjugate Journal</i> , 2015, 32, 173-342.	1.4	2
194	Mesenchymal Stromal Cells Express GARP/LRRC32 on Their Surface: Effects on Their Biology and Immunomodulatory Capacity. <i>Stem Cells</i> , 2015, 33, 183-195.	1.4	51
195	New Strategy for High-Level Expression and Purification of Biologically Active Monomeric TGF- $\beta$ 1/C77S in <i>Escherichia coli</i> . <i>Molecular Biotechnology</i> , 2015, 57, 160-171.	1.3	9
196	Development of Novel Activin-Targeted Therapeutics. <i>Molecular Therapy</i> , 2015, 23, 434-444.	3.7	46
197	Development of an improved mammalian overexpression method for human CD62L. <i>Protein Expression and Purification</i> , 2015, 105, 8-13.	0.6	2
198	<i>In vivo</i> anti-LAP mAb enhances IL-17/IFN- $\gamma$ responses and abrogates anti-CD3-induced oral tolerance. <i>International Immunology</i> , 2015, 27, 73-82.	1.8	21
199	Differential gene expression profiles of peripheral blood mononuclear cells in childhood asthma. <i>Journal of Asthma</i> , 2015, 52, 343-352.	0.9	6
200	Targeting the myofibroblast to improve wound healing. , 2016, , 69-100.		5
201	Mechanisms of Collagen Network Organization in Response to Tissue/Organ Damage. , 2016, , .		0
202	Overexpression of Latent TGF $\beta$ 2 Binding Protein 4 in Muscle Ameliorates Muscular Dystrophy through Myostatin and TGF $\beta$ 2. <i>PLoS Genetics</i> , 2016, 12, e1006019.	1.5	56
203	Carbon nanotube-based substrates promote cardiogenesis in brown adipose-derived stem cells via $\alpha$ 5 $\beta$ 1-integrin-dependent TGF- $\beta$ 1 signaling pathway. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4381-4395.	3.3	14

#	ARTICLE	IF	CITATIONS
204	Sustained release of bioactive protein from a lyophilized tissue-engineered construct promotes the osteogenic potential of mesenchymal stem cells. <i>Journal of Orthopaedic Research</i> , 2016, 34, 386-394.	1.2	10
205	Lipotransfer for radiation-induced skin fibrosis. <i>British Journal of Surgery</i> , 2016, 103, 950-961.	0.1	24
206	Does Breathing Amplify Fibrosis?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 9-11.	2.5	29
207	ATRA modulates mechanical activation of TGF- $\beta^2$ by pancreatic stellate cells. <i>Scientific Reports</i> , 2016, 6, 27639.	1.6	66
208	Structure and activation of pro-activin A. <i>Nature Communications</i> , 2016, 7, 12052.	5.8	74
209	TGF- $\beta^2$ Superfamily Signaling. , 2016, , 37-50.		12
210	Biochemistry and Biology of GDF11 and Myostatin. <i>Circulation Research</i> , 2016, 118, 1125-1142.	2.0	155
211	Genetic variants in the ITGB6 gene is associated with the risk of radiation pneumonitis in lung cancer patients treated with thoracic radiation therapy. <i>Tumor Biology</i> , 2016, 37, 3469-3477.	0.8	14
212	Mechanobiology of TGF $\beta^2$ signaling in the skeleton. <i>Matrix Biology</i> , 2016, 52-54, 413-425.	1.5	42
213	TGF- $\beta^2$ signaling in the kidney: profibrotic and protective effects. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F596-F606.	1.3	183
214	Molecular insights on the effect of TGF- $\beta^2$ /- $\beta^3$ in human corneal fibroblasts. <i>Experimental Eye Research</i> , 2016, 146, 233-241.	1.2	41
215	Extracellular Regulation of Bone Morphogenetic Protein Activity by the Microfibril Component Fibrillin-1. <i>Journal of Biological Chemistry</i> , 2016, 291, 12732-12746.	1.6	72
216	A Novel, More Efficient Approach to Generate Bioactive Inhibins. <i>Endocrinology</i> , 2016, 157, 2799-2809.	1.4	10
217	New insights into the structure, assembly and biological roles of 10-12 nm connective tissue microfibrils from fibrillin-1 studies. <i>Biochemical Journal</i> , 2016, 473, 827-838.	1.7	40
218	TGF- $\beta^2$ and the TGF- $\beta^2$ Family: Context-Dependent Roles in Cell and Tissue Physiology. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a021873.	2.3	876
219	$\beta^v$ integrins: key regulators of tissue fibrosis. <i>Cell and Tissue Research</i> , 2016, 365, 511-519.	1.5	112
220	Rapid Activation of Bone Morphogenetic Protein 9 by Receptor-mediated Displacement of Pro-domains. <i>Journal of Biological Chemistry</i> , 2016, 291, 3395-3410.	1.6	33
221	Interleukins (from IL-1 to IL-38), interferons, transforming growth factor $\beta^2$ , and TNF- $\beta^z$ : Receptors, functions, and roles in diseases. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 984-1010.	1.5	612

#	ARTICLE	IF	CITATIONS
222	Mammalian tolloid proteinases: role in growth factor signalling. FEBS Letters, 2016, 590, 2398-2407.	1.3	9
223	Disinhibiting an Inhibitor: Genetic Engineering Leads to Improvements in Recombinant Inhibin A Production. Endocrinology, 2016, 157, 2583-2585.	1.4	1
224	The extracellular matrix – the under-recognized element in lung disease?. Journal of Pathology, 2016, 240, 397-409.	2.1	195
225	Structural Biology and Evolution of the TGF- $\beta$ Family. Cold Spring Harbor Perspectives in Biology, 2016, 8, a022103.	2.3	267
226	TGF $\beta$ 2, 2016, , 563-571.		0
227	TGF- $\beta$ 1 autocrine signalling and enamel matrix components. Scientific Reports, 2016, 6, 33644.	1.6	27
228	Spatio-temporal Models of Lymphangiogenesis in Wound Healing. Bulletin of Mathematical Biology, 2016, 78, 1904-1941.	0.9	22
229	Influence of $\langle \text{scp} \rangle \text{WFIKKN} \langle / \text{scp} \rangle 1$ on $\langle \text{scp} \rangle \text{BMP} \langle / \text{scp} \rangle 1$ -mediated activation of latent myostatin. FEBS Journal, 2016, 283, 4515-4527.	2.2	2
230	Involvement of eIF6 in external mechanical stretch-mediated murine dermal fibroblast function via TGF- $\beta$ 1 pathway. Scientific Reports, 2016, 6, 36075.	1.6	8
231	Loss of epithelial G $\langle \text{sub} \rangle \text{q} \langle / \text{sub} \rangle$ and G $\langle \text{sub} \rangle 11 \langle / \text{sub} \rangle$ signaling inhibits TGF $\beta$ 2 production but promotes IL-33-mediated macrophage polarization and emphysema. Science Signaling, 2016, 9, ra104.	1.6	24
232	The role of myofibroblasts in wound healing. Current Research in Translational Medicine, 2016, 64, 171-177.	1.2	207
233	A 3D Poly(ethylene glycol)-based Tumor Angiogenesis Model to Study the Influence of Vascular Cells on Lung Tumor Cell Behavior. Scientific Reports, 2016, 6, 32726.	1.6	65
234	Independent multimerization of Latent TGF $\beta$ 2 Binding Protein-1 stabilized by cross-linking and enhanced by heparan sulfate. Scientific Reports, 2016, 6, 34347.	1.6	34
235	Effect of N-terminal Acylation on the Activity of Myostatin Inhibitory Peptides. ChemMedChem, 2016, 11, 845-849.	1.6	18
236	<i>Aggregatibacter actinomycetemcomitans</i> outer membrane protein 29 (Omp29) induces TGF- $\beta$ 2-regulated apoptosis signal in human gingival epithelial cells via fibronectin/integrin $\beta$ 1/FAK cascade. Cellular Microbiology, 2016, 18, 1723-1738.	1.1	11
237	Reduced transforming growth factor $\beta$ 21 (TGF $\beta$ 21) in the repair of airway epithelial cells of children with asthma. Respirology, 2016, 21, 1219-1226.	1.3	14
238	Mechanical Control of Epithelial-to-Mesenchymal Transitions in Development and Cancer. Annual Review of Cell and Developmental Biology, 2016, 32, 527-554.	4.0	118
239	$\beta$ -Smooth muscle actin is an inconsistent marker of fibroblasts responsible for force-dependent TGF $\beta$ 2 activation or collagen production across multiple models of organ fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L824-L836.	1.3	142

#	ARTICLE	IF	CITATIONS
240	WFIKKN1 and WFIKKN2: "Companion" proteins regulating TGF $\beta$ activity. Cytokine and Growth Factor Reviews, 2016, 32, 75-84.	3.2	15
241	Regulation of the Bioavailability of TGF- $\beta$ 2 and TGF- $\beta$ 2-Related Proteins. Cold Spring Harbor Perspectives in Biology, 2016, 8, a021907.	2.3	305
242	A novel chemo-mechano-biological model of arterial tissue growth and remodelling. Journal of Biomechanics, 2016, 49, 2321-2330.	0.9	35
243	Recent progress on targeting the $\alpha$ 21 integrin for the treatment of tissue fibrosis. Expert Opinion on Drug Discovery, 2016, 11, 749-751.	2.5	1
244	Reactive oxygen species and fibrosis: further evidence of a significant liaison. Cell and Tissue Research, 2016, 365, 591-605.	1.5	223
245	The Effects of Platelet-Rich Plasma on Halting the Progression in Porcine Intervertebral Disc Degeneration. Artificial Organs, 2016, 40, 190-195.	1.0	18
246	Mechanical Forces Reshape Differentiation Cues That Guide Cardiomyogenesis. Circulation Research, 2016, 118, 296-310.	2.0	58
247	Stretch-induced Activation of Transforming Growth Factor- $\beta$ 1 in Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 84-96.	2.5	165
248	Heterozygous Mutations in BMP6 Pro-peptide Lead to Inappropriate Hecidin Synthesis and Moderate Iron Overload in Humans. Gastroenterology, 2016, 150, 672-683.e4.	0.6	73
249	The Prodomain-bound Form of Bone Morphogenetic Protein 10 Is Biologically Active on Endothelial Cells. Journal of Biological Chemistry, 2016, 291, 2954-2966.	1.6	40
250	Secretory leukocyte protease inhibitor gene deletion alters bleomycin-induced lung injury, but not development of pulmonary fibrosis. Laboratory Investigation, 2016, 96, 623-631.	1.7	23
251	Extracellular citrullination inhibits the function of matrix associated TGF- $\beta$ 2. Matrix Biology, 2016, 55, 77-89.	1.5	16
252	Integrin $\alpha$ 26 critically regulates hepatic progenitor cell function and promotes ductular reaction, fibrosis, and tumorigenesis. Hepatology, 2016, 63, 217-232.	3.6	93
253	Myostatin inhibitory region of fish (Paralichthys olivaceus) myostatin-1 propeptide. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 194-195, 65-70.	0.7	11
254	In silico characterization of the interaction between LSKL peptide, a LAP-TGF-beta derived peptide, and ADAMTS1. Computational Biology and Chemistry, 2016, 61, 155-161.	1.1	9
255	3D scaffolds in breast cancer research. Biomaterials, 2016, 81, 135-156.	5.7	145
256	Structural insights into BMP receptors: Specificity, activation and inhibition. Cytokine and Growth Factor Reviews, 2016, 27, 13-34.	3.2	187
257	Biological activity and in vivo half-life of pro-activin A in male rats. Molecular and Cellular Endocrinology, 2016, 422, 84-92.	1.6	14

#	ARTICLE	IF	CITATIONS
258	Mechanical control of cardiac myofibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 93, 133-142.	0.9	192
259	Integrins and integrin-related proteins in cardiac fibrosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 93, 162-174.	0.9	122
260	Production, Isolation, and Structural Analysis of Ligands and Receptors of the TGF- $\beta$ 2 Superfamily. <i>Methods in Molecular Biology</i> , 2016, 1344, 63-92.	0.4	25
261	Paracrine Wnt1 Drives Interstitial Fibrosis without Inflammation by Tubulointerstitial Cross-Talk. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 781-790.	3.0	107
262	Myofibroblasts. <i>Experimental Eye Research</i> , 2016, 142, 56-70.	1.2	323
263	Hypothesis-free secretome analysis of thoracic aortic aneurysm reinforces the central role of TGF- $\beta$ 2 cascade in patients with bicuspid aortic valve. <i>Journal of Cardiology</i> , 2017, 69, 570-576.	0.8	16
264	Increased expression of $\alpha$ v integrin as a regulator of fibrosis in Dupuytren's nodules. <i>Journal of Hand Surgery: European Volume</i> , 2017, 42, 18-25.	0.5	0
265	Therapeutics Targeting Drivers of Thoracic Aortic Aneurysms and Acute Aortic Dissections: Insights from Predisposing Genes and Mouse Models. <i>Annual Review of Medicine</i> , 2017, 68, 51-67.	5.0	94
266	Two novel BMP-2 variants identified in patients with thoracic ossification of the ligamentum flavum. <i>European Journal of Human Genetics</i> , 2017, 25, 565-571.	1.4	26
267	Force interacts with macromolecular structure in activation of TGF- $\beta$ 2. <i>Nature</i> , 2017, 542, 55-59.	13.7	222
268	Growth factor rattled out of its cage. <i>Nature</i> , 2017, 542, 40-41.	13.7	14
269	Growth factors and hormones pro-peptides: the unexpected adventures of the BDNF prodomain. <i>Journal of Neurochemistry</i> , 2017, 141, 330-340.	2.1	28
270	Regulation of Innate and Adaptive Immunity by TGF- $\beta$ 2. <i>Advances in Immunology</i> , 2017, 134, 137-233.	1.1	105
271	TGF- $\beta$ 2 Family Signaling in Connective Tissue and Skeletal Diseases. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a022269.	2.3	86
272	Targeting TGF- $\beta$ 2 Signaling for Therapeutic Gain. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a022301.	2.3	153
273	Structural basis for potency differences between GDF8 and GDF11. <i>BMC Biology</i> , 2017, 15, 19.	1.7	90
274	The Role of Neuropilins in TGF- $\beta$ 2 Signaling and Cancer Biology. , 2017, , 187-212.		2
275	Secreted Frizzled-Related Protein 2 and Inflammation-Induced Skeletal Muscle Atrophy. <i>Critical Care Medicine</i> , 2017, 45, e169-e183.	0.4	23

#	ARTICLE	IF	CITATIONS
276	Hepatic stellate cells as key target in liver fibrosis. <i>Advanced Drug Delivery Reviews</i> , 2017, 121, 27-42.	6.6	943
277	Atypical interactions of integrin $\alpha 8 \beta 1$ with pro-TGF $\beta 1$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4168-E4174.	3.3	34
278	The Regulatory Effects of Transforming Growth Factor $\beta 2$ on Nerve Regeneration. <i>Cell Transplantation</i> , 2017, 26, 381-394.	1.2	67
279	RANKL cytokine enhances TNF-induced osteoclastogenesis independently of TNF receptor associated factor (TRAF) 6 by degrading TRAF3 in osteoclast precursors. <i>Journal of Biological Chemistry</i> , 2017, 292, 10169-10179.	1.6	65
280	Structural Basis for the Effective Myostatin Inhibition of the Mouse Myostatin Prodomain-Derived Minimum Peptide. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 113-117.	1.3	17
281	Focal Adhesion Kinase: The Reversible Molecular Mechanosensor. <i>Biophysical Journal</i> , 2017, 112, 2439-2450.	0.2	35
282	Sulfated Hyaluronan Derivatives Modulate TGF $\beta 1$ :Receptor Complex Formation: Possible Consequences for TGF $\beta 1$ Signaling. <i>Scientific Reports</i> , 2017, 7, 1210.	1.6	30
283	Rules of engagement between $\alpha 6 \beta 1$ integrin and foot-and-mouth disease virus. <i>Nature Communications</i> , 2017, 8, 15408.	5.8	75
284	Transforming Growth Factor $\beta 2$ Receptors and Smads: Regulatory Complexity and Functional Versatility. <i>Trends in Cell Biology</i> , 2017, 27, 658-672.	3.6	229
285	Development of Potent Myostatin Inhibitory Peptides through Hydrophobic Residue-Directed Structural Modification. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 751-756.	1.3	20
286	Plasminogen Activator Inhibitor-1 Protects Mice Against Cardiac Fibrosis by Inhibiting Urokinase-type Plasminogen Activator-mediated Plasminogen Activation. <i>Scientific Reports</i> , 2017, 7, 365.	1.6	31
287	Identification of new BMP6 propeptide mutations in patients with iron overload. <i>American Journal of Hematology</i> , 2017, 92, 562-568.	2.0	35
288	A primary human macrophage-enteroid co-culture model to investigate mucosal gut physiology and host-pathogen interactions. <i>Scientific Reports</i> , 2017, 7, 45270.	1.6	274
289	A new material for tissue engineered vagina reconstruction: Acellular porcine vagina matrix. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1949-1959.	2.1	43
290	BMP and BMP Regulation: Structure and Function. , 2017, , 73-111.		1
291	Garp as a therapeutic target for modulation of T regulatory cell function. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 191-200.	1.5	22
292	Substrate stiffness promotes latent TGF $\beta 1$ activation in hepatocellular carcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 553-558.	1.0	34
293	Rational design of cyclic peptides to disrupt TGF $\beta$ /SMAD7 signaling in heterotopic ossification. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 72, 25-31.	1.3	5

#	ARTICLE	IF	CITATIONS
294	Is personalised medicine the key to heterogeneity in idiopathic pulmonary fibrosis?. , 2017, 169, 35-46.		22
295	Emerging therapies for idiopathic pulmonary fibrosis, a progressive age-related disease. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 755-772.	21.5	251
296	c-Myc promotes renal fibrosis by inducing integrin $\alpha$ v-mediated transforming growth factor- $\beta$ signaling. <i>Kidney International</i> , 2017, 92, 888-899.	2.6	52
297	Methods for the Assessment of Active Transforming Growth Factor- $\beta$ in Cells and Tissues. <i>Methods in Molecular Biology</i> , 2017, 1627, 351-365.	0.4	3
298	Alternative cleavage of the bone morphogenetic protein (BMP), Gbb, produces ligands with distinct developmental functions and receptor preferences. <i>Journal of Biological Chemistry</i> , 2017, 292, 19160-19178.	1.6	20
299	A Prodomain Fragment from the Proteolytic Activation of Growth Differentiation Factor 11 Remains Associated with the Mature Growth Factor and Keeps It Soluble. <i>Biochemistry</i> , 2017, 56, 4405-4418.	1.2	13
300	D-mannose induces regulatory T cells and suppresses immunopathology. <i>Nature Medicine</i> , 2017, 23, 1036-1045.	15.2	153
301	Molecular forms of ruminant BMP15 and GDF9 and putative interactions with receptors. <i>Reproduction</i> , 2017, 154, 521-534.	1.1	26
302	mTOR (Mechanistic Target of Rapamycin) Inhibition Decreases Mechanosignaling, Collagen Accumulation, and Stiffening of the Thoracic Aorta in Elastin-Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1657-1666.	1.1	26
303	Steroid-resistant autoimmune myelofibrosis in a patient with autoimmune hepatitis and Evans syndrome complicated with increased expression of TGF- $\beta$ in the bone marrow: a case report. <i>International Journal of Hematology</i> , 2017, 106, 718-724.	0.7	3
304	Cystine knot growth factors and their functionally versatile proregions. <i>Biological Chemistry</i> , 2017, 398, 1295-1308.	1.2	9
305	Role of GARP in the activation of latent TGF- $\beta$ 1. <i>Molecular BioSystems</i> , 2017, 13, 1925-1935.	2.9	44
307	Lysyl oxidases regulate fibrillar collagen remodelling in idiopathic pulmonary fibrosis. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1301-1312.	1.2	110
308	Blocking immunosuppression by human Tregs in vivo with antibodies targeting integrin $\alpha$ V $\beta$ 8. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10161-E10168.	3.3	85
309	The N-Terminal Region of Fibrillin-1 Mediates a Bipartite Interaction with LTBP1. <i>Structure</i> , 2017, 25, 1208-1221.e5.	1.6	15
310	The TGF- $\beta$ inhibitory activity of antibody 37E1B5 depends on its H-CDR2 glycan. <i>MAbs</i> , 2017, 9, 104-113.	2.6	0
311	Rational derivation, extension, and cyclization of self-inhibitory peptides to target TGF- $\beta$ /BMP signaling in ONFH. <i>Amino Acids</i> , 2017, 49, 283-290.	1.2	10
312	Glycyrrhizin Ameliorates Fibrosis, Vasculopathy, and Inflammation in Animal Models of Systemic Sclerosis. <i>Journal of Investigative Dermatology</i> , 2017, 137, 631-640.	0.3	33

#	ARTICLE	IF	CITATIONS
313	Novel homozygous sequence variants in the <i>GDF5</i> gene underlie acromesomelic dysplasia type <i>Grebe</i> in consanguineous families. <i>Congenital Anomalies (discontinued)</i> , 2017, 57, 45-51.	0.3	20
314	<i>Ltbp4</i> regulates <i>Pdgfr<math>\beta</math></i> expression via TGF $\beta$ -dependent modulation of Nrf2 transcription factor function. <i>Matrix Biology</i> , 2017, 59, 109-120.	1.5	11
316	TGF $\beta$ Activation and Signaling in Angiogenesis. , 0, , .		20
317	Eosinophil Cytokines in Allergy. , 2017, , 173-218.		14
318	BMP15 Mutations Associated With Primary Ovarian Insufficiency Reduce Expression, Activity, or Synergy With GDF9. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 1009-1019.	1.8	31
319	TGF $\beta$ 1 in Vascular Wall Pathology: Unraveling Chronic Venous Insufficiency Pathophysiology. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2534.	1.8	30
320	Exploring the Role of RGD-Recognizing Integrins in Cancer. <i>Cancers</i> , 2017, 9, 116.	1.7	308
321	Tregs: Where We Are and What Comes Next?. <i>Frontiers in Immunology</i> , 2017, 8, 1578.	2.2	142
322	Low doses of cholera toxin and its mediator cAMP induce CTLA-2 secretion by dendritic cells to enhance regulatory T cell conversion. <i>PLoS ONE</i> , 2017, 12, e0178114.	1.1	10
323	Recent advances in hydrogels for cartilage tissue engineering. , 2017, 33, 59-75.		230
324	Structural and functional failure of fibrillin $\beta$ 1 in human diseases (Review). <i>International Journal of Molecular Medicine</i> , 2018, 41, 1213-1223.	1.8	26
325	Human TGF $\beta$ 1 deficiency causes severe inflammatory bowel disease and encephalopathy. <i>Nature Genetics</i> , 2018, 50, 344-348.	9.4	95
326	The role of transforming growth factor $\beta$ 1 in T helper 17 differentiation. <i>Immunology</i> , 2018, 155, 24-35.	2.0	115
327	TGF $\beta$ 1 reinforces arterial aging in the vascular smooth muscle cell through a long-range regulation of the cytoskeletal stiffness. <i>Scientific Reports</i> , 2018, 8, 2668.	1.6	33
328	Transforming growth factor $\beta$ 1 in stem cells and tissue homeostasis. <i>Bone Research</i> , 2018, 6, 2.	5.4	262
329	A mutation update on the LDS-associated genes <i>TGF<math>\beta</math>3</i> and <i>SMAD2/3</i> . <i>Human Mutation</i> , 2018, 39, 621-634.	1.1	116
330	Structure of the human myostatin precursor and determinants of growth factor latency. <i>EMBO Journal</i> , 2018, 37, 367-383.	3.5	58
331	Inhibition of overactive TGF $\beta$ 1 attenuates progression of heterotopic ossification in mice. <i>Nature Communications</i> , 2018, 9, 551.	5.8	125

#	ARTICLE	IF	CITATIONS
332	LTBP3 promotes early metastatic events during cancer cell dissemination. <i>Oncogene</i> , 2018, 37, 1815-1829.	2.6	17
333	Molecular characterization of latent GDF8 reveals mechanisms of activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E866-E875.	3.3	30
334	Tolloid cleavage activates latent GDF8 by priming the pro-complex for dissociation. <i>EMBO Journal</i> , 2018, 37, 384-397.	3.5	27
335	The ED-A domain enhances the capacity of fibronectin to store latent TGF- $\beta$ binding protein-1 in the fibroblast matrix. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	107
336	Thrombospondin-1 regulation of latent TGF- $\beta$ activation: A therapeutic target for fibrotic disease. <i>Matrix Biology</i> , 2018, 68-69, 28-43.	1.5	184
337	Feedback regulation of TGF- $\beta$ signaling. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 37-50.	0.9	86
338	TGFB1 is secreted through an unconventional pathway dependent on the autophagic machinery and cytoskeletal regulators. <i>Autophagy</i> , 2018, 14, 465-486.	4.3	80
339	Endothelial $\rightarrow$ mesenchymal transition in atherosclerosis. <i>Cardiovascular Research</i> , 2018, 114, 565-577.	1.8	239
340	Immunoregulatory functions and the therapeutic implications of GARP-TGF- $\beta$ in inflammation and cancer. <i>Journal of Hematology and Oncology</i> , 2018, 11, 24.	6.9	69
341	From a Helix to a Small Cycle: Metadynamics $\rightarrow$ Inspired $\beta$ 6 Integrin Selective Ligands. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14645-14649.	7.2	26
342	Cytokines in milk and the role of TGF- $\beta$ . <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2018, 32, 47-56.	2.2	41
343	The dynamics of TGF- $\beta$ in dental pulp, odontoblasts and dentin. <i>Scientific Reports</i> , 2018, 8, 4450.	1.6	63
344	TGF- $\beta$ 1 Signaling and Tissue Fibrosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a022293.	2.3	432
345	Bone morphogenetic proteins in multiple sclerosis: Role in neuroinflammation. <i>Brain, Behavior, and Immunity</i> , 2018, 68, 1-10.	2.0	24
346	TGF- $\beta$ Signaling in Control of Cardiovascular Function. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a022210.	2.3	238
347	Prodomain $\rightarrow$ growth factor swapping in the structure of pro-TGF- $\beta$ 1. <i>Journal of Biological Chemistry</i> , 2018, 293, 1579-1589.	1.6	31
348	Lysyl Oxidase $\rightarrow$ Like 1 Protein Deficiency Protects Mice from Adenoviral Transforming Growth Factor- $\beta$ 1 $\rightarrow$ induced Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 461-470.	1.4	44
349	Mechanistic insight into contextual TGF- $\beta$ signaling. <i>Current Opinion in Cell Biology</i> , 2018, 51, 1-7.	2.6	74

#	ARTICLE	IF	CITATIONS
350	Biphasic Role of TGF- $\beta$ 2 in Cancer Progression: From Tumor Suppressor to Tumor Promotor. , 2018, , 455-455.		2
351	Integrin $\alpha$ 2 $\beta$ 1-expressing tumor cells evade host immunity by regulating TGF- $\beta$ 2 activation in immune cells. JCI Insight, 2018, 3, .	2.3	82
352	Analytical Characterization of an Enzyme-Linked Immunosorbent Assay for the Measurement of Transforming Growth Factor $\beta$ 21 in Human Plasma. journal of applied laboratory medicine, The, 2018, 3, 200-212.	0.6	3
353	Structural basis of latent TGF- $\beta$ 1 presentation and activation by GARP on human regulatory T cells. Science, 2018, 362, 952-956.	6.0	103
354	Signaling Mechanisms of Myofibroblastic Activation: Outside-in and Inside-Out. Cellular Physiology and Biochemistry, 2018, 49, 848-868.	1.1	82
355	Heterogeneity in FoxP3- and GARP/LAP-Expressing T Regulatory Cells in an HLA Class II Transgenic Murine Model of Necrotizing Soft Tissue Infections by Group A Streptococcus. Infection and Immunity, 2018, 86, .	1.0	8
356	Bighead is a Wnt antagonist secreted by the <i>Xenopus</i> Spemann organizer that promotes Lrp6 endocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9135-E9144.	3.3	38
357	A heterodimer formed by bone morphogenetic protein 9 (BMP9) and BMP10 provides most BMP biological activity in plasma. Journal of Biological Chemistry, 2018, 293, 10963-10974.	1.6	77
358	Elevated transforming growth factor $\beta$ 2 signaling activation in $\beta$ 2-actin-knockout mouse embryonic fibroblasts enhances myofibroblast features. Journal of Cellular Physiology, 2018, 233, 8884-8895.	2.0	8
359	FGF and TGF $\beta$ 2 signaling link form and function during jaw development and evolution. Developmental Biology, 2018, 444, S219-S236.	0.9	26
360	TGF- $\beta$ 2 autocrine signaling at secretory-stage enamel. Journal of Oral Biosciences, 2018, 60, 70-75.	0.8	1
361	Insulin Regulates Lipolysis and Fat Mass by Upregulating Growth/Differentiation Factor 3 in Adipose Tissue Macrophages. Diabetes, 2018, 67, 1761-1772.	0.3	38
362	Incorporating $\beta$ 2-cyclodextrin into collagen scaffolds to sequester growth factors and modulate mesenchymal stem cell activity. Acta Biomaterialia, 2018, 76, 116-125.	4.1	29
363	Nanoscale dysregulation of collagen structure-function disrupts mechano-homeostasis and mediates pulmonary fibrosis. ELife, 2018, 7, .	2.8	99
364	Connective tissue growth factor contributes to joint homeostasis and osteoarthritis severity by controlling the matrix sequestration and activation of latent TGF $\beta$ 2. Annals of the Rheumatic Diseases, 2018, 77, 1372-1380.	0.5	72
365	Cryo-EM structure of the $\alpha$ 2 $\beta$ 1 integrin reveals a mechanism for stabilizing integrin extension. Nature Structural and Molecular Biology, 2018, 25, 698-704.	3.6	40
366	Intracellular and extracellular TGF- $\beta$ 2 signaling in cancer: some recent topics. Frontiers of Medicine, 2018, 12, 387-411.	1.5	108
367	Reevaluation of Pluripotent Cytokine TGF- $\beta$ 3 in Immunity. International Journal of Molecular Sciences, 2018, 19, 2261.	1.8	28

#	ARTICLE	IF	CITATIONS
368	Tolerogenic Transcriptional Signatures of Steady-State and Pathogen-Induced Dendritic Cells. <i>Frontiers in Immunology</i> , 2018, 9, 333.	2.2	22
369	Transforming Growth Factor- $\beta$ 2 Signaling Plays a Pivotal Role in the Interplay Between Osteosarcoma Cells and Their Microenvironment. <i>Frontiers in Oncology</i> , 2018, 8, 133.	1.3	103
370	Teaming Up for Trouble: Cancer Cells, Transforming Growth Factor- $\beta$ 2 Signaling and the Epigenetic Corruption of Stromal Naïve Fibroblasts. <i>Cancers</i> , 2018, 10, 61.	1.7	30
371	Structure-guided engineering of TGF- $\beta$ s for the development of novel inhibitors and probing mechanism. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5239-5246.	1.4	6
372	TGF- $\beta$ 2 and the Tissue Microenvironment: Relevance in Fibrosis and Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1294.	1.8	231
373	Transforming growth factor $\beta$ 2 (TGF $\beta$ 2) signaling plays a key role in glucocorticoid-induced ocular hypertension. <i>Journal of Biological Chemistry</i> , 2018, 293, 9854-9868.	1.6	68
374	Induction of inactive TGF- $\beta$ 1 monomer formation by hydrogen sulfide contributes to its suppressive effects on Ang II- and TGF- $\beta$ 1-induced EMT in renal tubular epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 534-540.	1.0	26
375	Role of integrin $\alpha$ 8 in murine model of lung fibrosis. <i>PLoS ONE</i> , 2018, 13, e0197937.	1.1	24
376	Cell wall integrity signaling in plants: Malectin-domain kinases and lessons from other kingdoms. <i>Cell Surface</i> , 2018, 3, 1-11.	1.5	17
377	Mechanobiological Feedback in Pulmonary Vascular Disease. <i>Frontiers in Physiology</i> , 2018, 9, 951.	1.3	23
378	TGF- $\beta$ 2 Signaling in Lung Health and Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2460.	1.8	290
379	Von einer Helix zu einem kleinen Ring: Metadynamik-inspirierte, selektive Liganden für $\beta$ 2-Integrin. <i>Angewandte Chemie</i> , 2018, 130, 14856-14860.	1.6	3
380	Biomarkers for the identification of cardiac fibroblast and myofibroblast cells. <i>Heart Failure Reviews</i> , 2019, 24, 1-15.	1.7	121
381	Biomaterials and controlled release strategy for epithelial wound healing. <i>Biomaterials Science</i> , 2019, 7, 4444-4471.	2.6	47
382	The study of genes and signal transduction pathways involved in mustard lung injury: A gene therapy approach. <i>Gene</i> , 2019, 714, 143968.	1.0	3
383	Carbodiimide Conjugation of Latent Transforming Growth Factor $\beta$ 1 to Superparamagnetic Iron Oxide Nanoparticles for Remote Activation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3190.	1.8	14
384	Recombinant production of human $\beta$ 2-macroglobulin variants and interaction studies with recombinant G-related $\beta$ 2-macroglobulin binding protein and latent transforming growth factor- $\beta$ 2. <i>Scientific Reports</i> , 2019, 9, 9186.	1.6	6
385	LRRC33 is a novel binding and potential regulating protein of TGF- $\beta$ 1 function in human acute myeloid leukemia cells. <i>PLoS ONE</i> , 2019, 14, e0213482.	1.1	21

#	ARTICLE	IF	CITATIONS
386	Structural biology of the TGF $\beta$ family. <i>Experimental Biology and Medicine</i> , 2019, 244, 1530-1546.	1.1	26
387	Structural biology of betaglycan and endoglin, membrane-bound co-receptors of the TGF-beta family. <i>Experimental Biology and Medicine</i> , 2019, 244, 1547-1558.	1.1	43
388	Shared and distinct mechanisms of fibrosis. <i>Nature Reviews Rheumatology</i> , 2019, 15, 705-730.	3.5	331
389	TGF- $\beta$ 2 in Hepatic Stellate Cell Activation and Liver Fibrogenesisâ€”Updated 2019. <i>Cells</i> , 2019, 8, 1419.	1.8	429
390	Mechanisms of Chemotherapy Resistance in Triple-Negative Breast Cancerâ€”How We Can Rise to the Challenge. <i>Cells</i> , 2019, 8, 957.	1.8	467
391	Integrin-Mediated TGF $\beta$ 2 Activation Modulates the Tumour Microenvironment. <i>Cancers</i> , 2019, 11, 1221.	1.7	62
392	Endoglin Trafficking/Exosomal Targeting in Liver Cells Depends on N-Glycosylation. <i>Cells</i> , 2019, 8, 997.	1.8	17
393	ECM1 Prevents Activation of Transforming Growth Factor $\beta$ 2, Hepatic Stellate Cells, and Fibrogenesis in Mice. <i>Gastroenterology</i> , 2019, 157, 1352-1367.e13.	0.6	65
394	Collagen and non-collagenous proteins molecular crosstalk in the pathophysiology of osteoporosis. <i>Cytokine and Growth Factor Reviews</i> , 2019, 49, 59-69.	3.2	54
395	Activin Aâ€”Induced Cachectic Wasting Is Attenuated by Systemic Delivery of Its Cognate Propeptide in Male Mice. <i>Endocrinology</i> , 2019, 160, 2417-2426.	1.4	17
396	&lt;p&gt;â€œLet my liver rather heat with wineâ€- a review of hepatic fibrosis pathophysiology and emerging therapeutics&lt;/p&gt;. <i>Hepatic Medicine: Evidence and Research</i> , 2019, Volume 11, 109-129.	0.9	4
397	Recombinant production, purification, crystallization, and structure analysis of human transforming growth factor $\beta$ 2 in a new conformation. <i>Scientific Reports</i> , 2019, 9, 8660.	1.6	7
398	TGF- $\beta$ 2-Mediated Epithelial-Mesenchymal Transition and Cancer Metastasis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2767.	1.8	635
399	Keratinocyte-derived TGF $\beta$ 2 is not required to maintain skin immune homeostasis. <i>Journal of Dermatological Science</i> , 2019, 94, 290-297.	1.0	6
400	Identification of the minimum region of flatfish myostatin propeptide (Pep45-65) for myostatin inhibition and its potential to enhance muscle growth and performance in animals. <i>PLoS ONE</i> , 2019, 14, e0215298.	1.1	5
401	MicroRNA-92 Expression in CD133+ Melanoma Stem Cells Regulates Immunosuppression in the Tumor Microenvironment via Integrin-Dependent Activation of TGF $\beta$ 2. <i>Cancer Research</i> , 2019, 79, 3622-3635.	0.4	40
402	Functional Characterization of Two New Variants in the Bone Morphogenetic Protein 7 Prodomain in Two Pairs of Monozygotic Twins With Hypospadias. <i>Journal of the Endocrine Society</i> , 2019, 3, 814-824.	0.1	2
403	Transforming Growth Factor- $\beta$ 2 Signaling in Immunity and Cancer. <i>Immunity</i> , 2019, 50, 924-940.	6.6	1,360

#	ARTICLE	IF	CITATIONS
404	Oscillatory shear potentiates latent TGF- $\beta$ 1 activation more than steady shear as demonstrated by a novel force generator. <i>Scientific Reports</i> , 2019, 9, 6065.	1.6	25
405	Potential function of TGF- $\beta$ 2 isoforms in maturation-stage ameloblasts. <i>Journal of Oral Biosciences</i> , 2019, 61, 43-54.	0.8	7
406	Endothelial to Mesenchymal Transition: Role in Physiology and in the Pathogenesis of Human Diseases. <i>Physiological Reviews</i> , 2019, 99, 1281-1324.	13.1	325
407	Regulatory cytokine function in the respiratory tract. <i>Mucosal Immunology</i> , 2019, 12, 589-600.	2.7	81
408	Proteomics and N-glycoproteomics analysis of an extracellular matrix-based scaffold-human treated dentin matrix. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1164-1177.	1.3	14
409	Camurati-Engelmann Disease. <i>Calcified Tissue International</i> , 2019, 104, 554-560.	1.5	25
410	Inflammation in thoracic aortic aneurysms. <i>Herz</i> , 2019, 44, 138-146.	0.4	15
411	Specificity, versatility, and control of TGF- $\beta$ family signaling. <i>Science Signaling</i> , 2019, 12, .	1.6	494
412	CFTR dysfunction increases endoglin and TGF- $\beta$ signaling in airway epithelia. <i>Physiological Reports</i> , 2019, 7, e13977.	0.7	6
413	The role of TGF $\beta$ 2 in hematopoiesis and myeloid disorders. <i>Leukemia</i> , 2019, 33, 1076-1089.	3.3	39
414	Impairment of NKG2D-Mediated Tumor Immunity by TGF- $\beta$ . <i>Frontiers in Immunology</i> , 2019, 10, 2689.	2.2	92
415	The Many Roles of Cell Adhesion Molecules in Hepatic Fibrosis. <i>Cells</i> , 2019, 8, 1503.	1.8	51
416	Multiple Targets of the Canonical WNT/ $\beta$ -Catenin Signaling in Cancers. <i>Frontiers in Oncology</i> , 2019, 9, 1248.	1.3	135
417	Specification of BMP Signaling. <i>Cells</i> , 2019, 8, 1579.	1.8	90
418	Loss of Integrin $\alpha$ 8 in Murine Hepatocytes Accelerates Liver Regeneration. <i>American Journal of Pathology</i> , 2019, 189, 258-271.	1.9	10
419	Protein and Peptide Hormone Action. , 2019, , 43-50.		0
420	An Inhibitor of Arginine-Glycine-Aspartate-Binding Integrins Reverses Fibrosis in a Mouse Model of Nonalcoholic Steatohepatitis. <i>Hepatology Communications</i> , 2019, 3, 246-261.	2.0	28
421	Anti-Allergic Hormone Deficiency and Resistance. , 2019, , 506-517.		2

#	ARTICLE	IF	CITATIONS
422	Targeting the extracellular matrix for delivery of bioactive molecules to sites of arthritis. <i>British Journal of Pharmacology</i> , 2019, 176, 26-37.	2.7	18
423	Initiation of fibrosis in the integrin $\alpha 6$ knockout mice. <i>Experimental Eye Research</i> , 2019, 180, 23-28.	1.2	12
424	Endothelial Cell Mechanotransduction in the Dynamic Vascular Environment. <i>Advanced Biology</i> , 2019, 3, e1800252.	3.0	60
425	Targeting metabolic dysregulation for fibrosis therapy. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 57-75.	21.5	246
426	Transforming growth factor- $\beta 2$ and skeletal homeostasis. , 2020, , 1153-1187.		1
427	Effect of transforming growth factor- $\beta 1$ on functional expression of monocarboxylate transporter 1 in alveolar epithelial A549 cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 889-896.	1.4	2
428	Thrombin contributes to cancer immune evasion via proteolysis of platelet-bound GARP to activate LTGF- $\beta 2$ . <i>Science Translational Medicine</i> , 2020, 12, .	5.8	76
429	TGF- $\beta 1$ â€œ A truly transforming growth factor in fibrosis and immunity. <i>Seminars in Cell and Developmental Biology</i> , 2020, 101, 123-139.	2.3	264
430	Analysis of fibroblast migration dynamics in idiopathic pulmonary fibrosis using image-based scaffolds of the lung extracellular matrix. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L276-L286.	1.3	20
431	Regulation of barrier immunity and homeostasis by integrinâ€mediated transforming growth factor $\beta 2$ activation. <i>Immunology</i> , 2020, 160, 139-148.	2.0	24
432	Direct Visualization of the Binding of Transforming Growth Factor Beta 1 with Cartilage Oligomeric Matrix Protein via High-Resolution Atomic Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9497-9504.	1.2	4
433	Influence of the TGF- $\beta 2$ Superfamily on Osteoclasts/Osteoblasts Balance in Physiological and Pathological Bone Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7597.	1.8	62
434	Bone morphogenetic proteins: New insights into their roles and mechanisms in CNS development, pathology and repair. <i>Experimental Neurology</i> , 2020, 334, 113455.	2.0	18
435	Extracellular Matrix and Cellular Plasticity in Musculoskeletal Development. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 781.	1.8	11
436	Transforming Growth Factor $\beta 1$ Binding by Peptide Amphiphile Hydrogels. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4551-4560.	2.6	19
437	SMAD-oncoprotein interplay: Potential determining factors in targeted therapies. <i>Biochemical Pharmacology</i> , 2020, 180, 114155.	2.0	7
438	The Role of TGFâ€ $\beta 2$ Signaling in Cardiomyocyte Proliferation. <i>Current Heart Failure Reports</i> , 2020, 17, 225-233.	1.3	21
439	Effects of Mechanical Forces on Cells and Tissues. , 2020, , 717-733.		3

#	ARTICLE	IF	CITATIONS
440	Immunomodulatory Role of the Extracellular Matrix Within the Liver Disease Microenvironment. <i>Frontiers in Immunology</i> , 2020, 11, 574276.	2.2	73
441	Development of a microfluidic approach for the real-time analysis of extrinsic TGF- $\beta$ 2 signalling. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 32-39.	1.0	0
442	Ccn2a/Ctgfa is an injury-induced matricellular factor that promotes cardiac regeneration in zebrafish. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	14
443	Fibrosis: from mechanisms to medicines. <i>Nature</i> , 2020, 587, 555-566.	13.7	746
444	TGF- $\beta$ 2 Pathway in Salivary Gland Fibrosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9138.	1.8	24
445	Liquid Platelet-Rich Fibrin and Heat-Coagulated Albumin Gel: Bioassays for TGF- $\beta$ 2 Activity. <i>Materials</i> , 2020, 13, 3466.	1.3	16
446	The Role of TGF- $\beta$ 2 Signaling in Microglia Maturation and Activation. <i>Trends in Immunology</i> , 2020, 41, 836-848.	2.9	60
447	Structural perspective of BMP ligands and signaling. <i>Bone</i> , 2020, 140, 115549.	1.4	35
448	Resveratrol Modulates Transforming Growth Factor-Beta (TGF- $\beta$ 2) Signaling Pathway for Disease Therapy: A New Insight into Its Pharmacological Activities. <i>Biomedicines</i> , 2020, 8, 261.	1.4	33
449	Talin1 controls dendritic cell activation by regulating TLR complex assembly and signaling. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	12
450	Roles of TGF- $\beta$ 2 signaling pathway in tumor microenvironment and cancer therapy. <i>International Immunopharmacology</i> , 2020, 89, 107101.	1.7	44
451	Lysophosphatidic acid receptor 5 transactivation of TGFBR1 stimulates the mRNA expression of proteoglycan synthesizing genes XYLT1 and CHST3. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118848.	1.9	13
452	Mechanical stretch sustains myofibroblast phenotype and function in microtissues through latent TGF- $\beta$ 21 activation. <i>Integrative Biology (United Kingdom)</i> , 2020, 12, 199-210.	0.6	15
453	Transforming growth factor $\beta$ 2-mediated micromechanics modulates disease progression in primary myelofibrosis. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 11100-11110.	1.6	11
454	Escape of tumor cells from the NK cell cytotoxic activity. <i>Journal of Leukocyte Biology</i> , 2020, 108, 1339-1360.	1.5	14
455	It Takes Two to Tango: Endothelial TGF- $\beta$ 2/BMP Signaling Crosstalk with Mechanobiology. <i>Cells</i> , 2020, 9, 1965.	1.8	29
456	GDF15, an update of the physiological and pathological roles it plays: a review. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 1535-1546.	1.3	64
457	Selective inhibition of TGF- $\beta$ 21 produced by CARP-expressing Tregs overcomes resistance to PD-1/PD-L1 blockade in cancer. <i>Nature Communications</i> , 2020, 11, 4545.	5.8	94

#	ARTICLE	IF	CITATIONS
458	Interplay between Cell-Surface Receptors and Extracellular Matrix in Skin. <i>Biomolecules</i> , 2020, 10, 1170.	1.8	19
459	The Epithelial-to-Mesenchymal Transition as a Possible Therapeutic Target in Fibrotic Disorders. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 607483.	1.8	80
460	Effects of Radiation on the Tumor Microenvironment. <i>Seminars in Radiation Oncology</i> , 2020, 30, 145-157.	1.0	33
461	Three Novel Variants identified in <i>FBN1</i> and <i>TGFBR2</i> in seven Iranian families with suspected Marfan syndrome. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2020, 8, e1274.	0.6	4
462	Autocrine TGF- $\beta$ 1 Maintains the Stability of Foxp3+ Regulatory T Cells via IL-12R $\beta$ 2 Downregulation. <i>Biomolecules</i> , 2020, 10, 819.	1.8	10
463	$\alpha$ 8 integrin adhesion and signaling pathways in development, physiology and disease. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	38
464	Mutation Identification in the Complete Myostatin Sequence in Indonesian Kampung Chicken. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 478, 012007.	0.2	0
465	Inter- $\alpha$ -inhibitor heavy chain-1 has an integrin-like 3D structure mediating immune regulatory activities and matrix stabilization during ovulation. <i>Journal of Biological Chemistry</i> , 2020, 295, 5278-5291.	1.6	18
466	Selective inhibition of TGF $\beta$ 1 activation overcomes primary resistance to checkpoint blockade therapy by altering tumor immune landscape. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	153
467	Therapeutic Targets for the Treatment of Cardiac Fibrosis and Cancer: Focusing on TGF- $\beta$ Signaling. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 34.	1.1	85
468	Role of fibrillin-2 in the control of TGF- $\beta$ activation in tumor angiogenesis and connective tissue disorders. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020, 1873, 188354.	3.3	21
469	BMP-1 disrupts cell adhesion and enhances TGF- $\beta$ activation through cleavage of the matricellular protein thrombospondin-1. <i>Science Signaling</i> , 2020, 13, .	1.6	21
470	On-Target Anti-TGF- $\beta$ Therapies Are Not Succeeding in Clinical Cancer Treatments: What Are Remaining Challenges?. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 605.	1.8	127
471	Antidepressants induce profibrotic responses via the lysophosphatidic acid receptor LPA1. <i>European Journal of Pharmacology</i> , 2020, 873, 172963.	1.7	11
472	Structural basis of specific inhibition of extracellular activation of pro- or latent myostatin by the monoclonal antibody SRK-015. <i>Journal of Biological Chemistry</i> , 2020, 295, 5404-5418.	1.6	12
473	Cell immaturity and white/beige adipocyte potential of primary human adipose-derived stromal cells are restrained by culture-medium TGF $\beta$ 1. <i>Stem Cells</i> , 2020, 38, 782-796.	1.4	6
474	Del-1, an Endogenous Inhibitor of TGF- $\beta$ Activation, Attenuates Fibrosis. <i>Frontiers in Immunology</i> , 2020, 11, 68.	2.2	17
475	Cryo-EM Reveals Integrin-Mediated TGF- $\beta$ Activation without Release from Latent TGF- $\beta$ . <i>Cell</i> , 2020, 180, 490-501.e16.	13.5	102

#	ARTICLE	IF	CITATIONS
476	Identification of the growth factor-binding sequence in the extracellular matrix protein MAGP-1. <i>Journal of Biological Chemistry</i> , 2020, 295, 2687-2697.	1.6	18
477	A novel biphenyl compound IMB-S7 ameliorates hepatic fibrosis in BDL rats by suppressing Sp1-mediated integrin $\alpha 5 \beta 1$ expression. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 661-669.	2.8	7
478	Role of TGF- $\beta 2$ in Skin Chronic Wounds: A Keratinocyte Perspective. <i>Cells</i> , 2020, 9, 306.	1.8	120
479	Targeting Hepatic Stellate Cells for the Treatment of Liver Fibrosis by Natural Products: Is It the Dawning of a New Era?. <i>Frontiers in Pharmacology</i> , 2020, 11, 548.	1.6	31
480	Targeting TGF $\beta 2$ Signalling in Cancer: Toward Context-Specific Strategies. <i>Trends in Cancer</i> , 2020, 6, 538-540.	3.8	15
481	Molecular basis of ALK1-mediated signalling by BMP9/BMP10 and their prodomain-bound forms. <i>Nature Communications</i> , 2020, 11, 1621.	5.8	43
482	In Vivo Removal of N-Terminal Fusion Domains From Recombinant Target Proteins Produced in <i>Nicotiana benthamiana</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 440.	1.7	10
483	GDF15: A Hormone Conveying Somatic Distress to the Brain. <i>Endocrine Reviews</i> , 2020, 41, .	8.9	109
485	TGF $\beta 2$ biology in cancer progression and immunotherapy. <i>Nature Reviews Clinical Oncology</i> , 2021, 18, 9-34.	12.5	420
486	Function-Blocking RHAMM Peptides Attenuate Fibrosis and Promote Antifibrotic Adipokines in a Bleomycin-Induced Murine Model of Systemic Sclerosis. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1482-1492.e4.	0.3	9
487	Targeting transforming growth factor- $\beta 2$ signaling for enhanced cancer chemotherapy. <i>Theranostics</i> , 2021, 11, 1345-1363.	4.6	33
488	Cardiac fibrosis. <i>Cardiovascular Research</i> , 2021, 117, 1450-1488.	1.8	419
490	TGF $\beta 2$ Signaling in the Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1270, 89-105.	0.8	12
491	Optimized serum stability and specificity of an $\alpha 5 \beta 1$ integrin-binding peptide for tumor targeting. <i>Journal of Biological Chemistry</i> , 2021, 296, 100657.	1.6	7
492	Hsa-miR-186-5p regulates TGF $\beta 2$ signaling pathway through expression suppression of SMAD6 and SMAD7 genes in colorectal cancer. <i>Biological Chemistry</i> , 2021, 402, 469-480.	1.2	18
493	TGF- $\beta 2$ in Cancer: Metabolic Driver of the Tolerogenic Crosstalk in the Tumor Microenvironment. <i>Cancers</i> , 2021, 13, 401.	1.7	34
494	Targeting TGF $\beta 2$ signal transduction for cancer therapy. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 8.	7.1	186
495	TGF- $\beta 1$ increases permeability of ciliated airway epithelia via redistribution of claudin 3 from tight junction into cell nuclei. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 287-311.	1.3	14

#	ARTICLE	IF	CITATIONS
496	Targeting Molecular and Cellular Mechanisms in Idiopathic Pulmonary Fibrosis. , 2021, , 287-310.		0
497	Role and clinical significance of TGF $\beta$ 1 and TGF $\beta$ R1 in malignant tumors (Review). International Journal of Molecular Medicine, 2021, 47, .	1.8	50
499	TGF $\beta$ 1 neutralization displays therapeutic efficacy through both an immunomodulatory and a non-immune tumor-intrinsic mechanism. , 2021, 9, e001798.		13
500	A new MMP-mediated prodomain cleavage mechanism to activate bone morphogenetic proteins from the extracellular matrix. FASEB Journal, 2021, 35, e21353.	0.2	10
501	Diverse origins and activation of fibroblasts in cardiac fibrosis. Cellular Signalling, 2021, 78, 109869.	1.7	22
502	TGF $\beta$ 2 signaling networks in ovarian cancer progression and plasticity. Clinical and Experimental Metastasis, 2021, 38, 139-161.	1.7	31
503	Identification of Key Candidate Genes Involved in the Progression of Idiopathic Pulmonary Fibrosis. Molecules, 2021, 26, 1123.	1.7	21
504	Mechanical stress determines the configuration of TGF $\beta$ 2 activation in articular cartilage. Nature Communications, 2021, 12, 1706.	5.8	81
506	$\beta$ 2M Signals Monocytes Through Non-Canonical TGF $\beta$ 2 Receptor Signal Transduction. Circulation Research, 2021, 128, 655-669.	2.0	9
507	A tumor-specific mechanism of T $\beta$ enrichment mediated by the integrin $\alpha$ 8. Science Immunology, 2021, 6, .	5.6	17
508	Liver sinusoidal endothelial cells are implicated in multiple fibrotic mechanisms. Molecular Biology Reports, 2021, 48, 2803-2815.	1.0	10
509	The role of $\beta$ LTBPs in $\beta$ TGF $\beta$ signaling. Developmental Dynamics, 2022, 251, 75-84.	0.8	20
510	Heparan Sulfate Deficiency in Cartilage: Enhanced BMP-Sensitivity, Proteoglycan Production and an Anti-Apoptotic Expression Signature after Loading. International Journal of Molecular Sciences, 2021, 22, 3726.	1.8	4
511	Role of pirfenidone in TGF- $\beta$ 2 pathways and other inflammatory pathways in acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection: a theoretical perspective. Pharmacological Reports, 2021, 73, 712-727.	1.5	30
512	Characterization of encapsulated porcine cardiosphere-derived cells embedded in 3D alginate matrices. International Journal of Pharmaceutics, 2021, 599, 120454.	2.6	3
513	RGD-Binding Integrins Revisited: How Recently Discovered Functions and Novel Synthetic Ligands (Re-)Shape an Ever-Evolving Field. Cancers, 2021, 13, 1711.	1.7	92
514	Hematopoietic versus leukemic stem cell quiescence: Challenges and therapeutic opportunities. Blood Reviews, 2021, 50, 100850.	2.8	40
515	Extracellular Matrix Components Regulate Bone Sialoprotein Expression in MDA-MB-231 Breast Cancer Cells. Cells, 2021, 10, 1304.	1.8	1

#	ARTICLE	IF	CITATIONS
516	Characterization of tolloid-mediated cleavage of the GDF8 procomplex. <i>Biochemical Journal</i> , 2021, 478, 1733-1747.	1.7	4
517	Suppression of the fibrotic encapsulation of silicone implants by inhibiting the mechanical activation of pro-fibrotic TGF- $\beta$ 2. <i>Nature Biomedical Engineering</i> , 2021, 5, 1437-1456.	11.6	67
518	The inflammatory speech of fibroblasts. <i>Immunological Reviews</i> , 2021, 302, 126-146.	2.8	79
520	Latent TGF- $\beta$ 2 Activation Is a Hallmark of the Tenascin Family. <i>Frontiers in Immunology</i> , 2021, 12, 613438.	2.2	20
521	The BMP Pathway in Blood Vessel and Lymphatic Vessel Biology. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6364.	1.8	6
523	Bioengineering strategies to control epithelial-to-mesenchymal transition for studies of cardiac development and disease. <i>APL Bioengineering</i> , 2021, 5, 021504.	3.3	3
524	Cross-talk between hepatic stellate cells and T lymphocytes in liver fibrosis. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2021, 20, 207-214.	0.6	11
525	Latency-associated peptide identifies therapeutically resistant muscle-invasive bladder cancer with poor prognosis. <i>Cancer Immunology, Immunotherapy</i> , 2021, , 1.	2.0	2
526	A story of fibers and stress: Matrix-Embedded signals for fibroblast activation in the skin. <i>Wound Repair and Regeneration</i> , 2021, 29, 515-530.	1.5	17
527	Bifunctional TGF- $\beta$ 2 trap/IL-15 protein complex elicits potent NK cell and CD8+ T cell immunity against solid tumors. <i>Molecular Therapy</i> , 2021, 29, 2949-2962.	3.7	20
528	Honeysuckle-derived microRNA2911 inhibits tumor growth by targeting TGF- $\beta$ 21. <i>Chinese Medicine</i> , 2021, 16, 49.	1.6	13
529	The heterogeneity of fibroblasts in laryngotracheal stenosis and skin hypertrophic scar in pediatric patients. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2021, 145, 110709.	0.4	4
530	Implant Fibrosis and the Underappreciated Role of Myofibroblasts in the Foreign Body Reaction. <i>Cells</i> , 2021, 10, 1794.	1.8	53
531	Extracellular Matrix Remodeling in Chronic Liver Disease. <i>Current Tissue Microenvironment Reports</i> , 2021, 2, 41-52.	1.3	38
532	The parasite cytokine mimic Hp-CTGM potently replicates the regulatory effects of TGF- $\beta$ 2 on murine CD4+ T cells. <i>Immunology and Cell Biology</i> , 2021, 99, 848-864.	1.0	17
533	CD163+ macrophages suppress T cell response by producing TGF- $\beta$ 2 in pediatric colorectal polyps. <i>International Immunopharmacology</i> , 2021, 96, 107644.	1.7	5
534	Inhibition of Cancer Cell Adhesion, Migration and Proliferation by a Bispecific Antibody that Targets two Distinct Epitopes on $\alpha$ v Integrins. <i>Journal of Molecular Biology</i> , 2021, 433, 167090.	2.0	2
535	Dual integrin $\alpha$ v $\beta$ 3 and $\alpha$ v $\beta$ 5 blockade attenuates cardiac dysfunction by reducing fibrosis in a rat model of doxorubicin-induced cardiomyopathy. <i>Scandinavian Cardiovascular Journal</i> , 2021, 55, 1-10.	0.4	3

#	ARTICLE	IF	CITATIONS
536	Fibroblasts: Origins, definitions, and functions in health and disease. <i>Cell</i> , 2021, 184, 3852-3872.	13.5	340
537	Cellular senescence and the senescence-associated secretory phenotype: Potential therapeutic targets for renal fibrosis. <i>Experimental Gerontology</i> , 2021, 151, 111403.	1.2	11
538	TGF- $\beta$ 2 Signaling in Liver, Pancreas, and Gastrointestinal Diseases and Cancer. <i>Gastroenterology</i> , 2021, 161, 434-452.e15.	0.6	81
539	The role of TGF- $\beta$ 2 in cartilage development and diseases. <i>Bone and Joint Research</i> , 2021, 10, 474-487.	1.3	30
540	Extra- and Intra-Cellular Mechanisms of Hepatic Stellate Cell Activation. <i>Biomedicines</i> , 2021, 9, 1014.	1.4	35
541	Canonical TGF- $\beta$ 2 Signaling and Its Contribution to Endometrial Cancer Development and Progression—Underestimated Target of Anticancer Strategies. <i>Journal of Clinical Medicine</i> , 2021, 10, 3900.	1.0	12
542	TGF- $\beta$ 2 and TGF- $\beta$ 3 isoforms drive fibrotic disease pathogenesis. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	56
543	Role of Transforming Growth Factor- $\beta$ 1 in Regulating Fetal-Maternal Immune Tolerance in Normal and Pathological Pregnancy. <i>Frontiers in Immunology</i> , 2021, 12, 689181.	2.2	28
544	Promising Biomarkers of Radiation-Induced Lung Injury: A Review. <i>Biomedicines</i> , 2021, 9, 1181.	1.4	18
545	Follistatin-Like-1 (FSTL1) Is a Fibroblast-Derived Growth Factor That Contributes to Progression of Chronic Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9513.	1.8	9
546	Translational Physiology of Anti-Müllerian Hormone: Clinical Applications in Female Fertility Preservation and Cancer Treatment. <i>Frontiers in Endocrinology</i> , 2021, 12, 689532.	1.5	3
547	Controlling BMP growth factor bioavailability: The extracellular matrix as multi skilled platform. <i>Cellular Signalling</i> , 2021, 85, 110071.	1.7	14
548	Two novel mutations in exon 2 of bone morphogenetic protein (BMP) 15 gene in Pakistani infertile females. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5364-5370.	1.8	1
549	Effects of Extracellular Osteoanabolic Agents on the Endogenous Response of Osteoblastic Cells. <i>Cells</i> , 2021, 10, 2383.	1.8	6
550	The role of pro-domains in human growth factors and cytokines. <i>Biochemical Society Transactions</i> , 2021, 49, 1963-1973.	1.6	2
551	Targeting immunosuppression by TGF- $\beta$ 1 for cancer immunotherapy. <i>Biochemical Pharmacology</i> , 2021, 192, 114697.	2.0	38
552	The transformation of cancer-associated fibroblasts: Current perspectives on the role of TGF- $\beta$ 2 in CAF mediated tumor progression and therapeutic resistance. <i>Cancer Letters</i> , 2021, 520, 222-232.	3.2	35
553	TGF- $\beta$ 2-induced fibrosis: A review on the underlying mechanism and potential therapeutic strategies. <i>European Journal of Pharmacology</i> , 2021, 911, 174510.	1.7	46

#	ARTICLE	IF	CITATIONS
554	Therapeutic cell reconditioning. , 2022, , 395-404.		0
555	Epithelial to Mesenchymal Transition. , 2021, , .		1
556	Why Stress Matters: An Introduction. Methods in Molecular Biology, 2021, 2299, 159-169.	0.4	3
557	The multi-faceted roles of TGF- $\beta$ 2 in regulation of immunity to infection. Advances in Immunology, 2021, 150, 1-42.	1.1	8
558	Latent TGF- $\beta$ 1 protects against diabetic kidney disease via Arkadia/Smad7 signaling. International Journal of Biological Sciences, 2021, 17, 3583-3594.	2.6	7
559	Transforming Growth Factor- $\beta$ 2 Signaling. , 2013, , 3-32.		1
560	Latency-associated Peptide Identifies Immuno-evasive Subtype Gastric Cancer With Poor Prognosis and Inferior Chemotherapeutic Responsiveness. Annals of Surgery, 2022, 275, e163-e173.	2.1	17
562	Structural consequences of transforming growth factor beta-1 activation from near-therapeutic X-ray doses. Journal of Synchrotron Radiation, 2019, 26, 967-979.	1.0	10
563	Structural insights into conformational switching in latency-associated peptide between transforming growth factor $\beta$ 1 bound and unbound states. IUCr, 2020, 7, 238-252.	1.0	5
564	Soluble Thy-1 reverses lung fibrosis via its integrin-binding motif. JCI Insight, 2019, 4, .	2.3	20
565	Inhibition of mechanosensitive signaling in myofibroblasts ameliorates experimental pulmonary fibrosis. Journal of Clinical Investigation, 2013, 123, 1096-1108.	3.9	360
566	ROCKing pulmonary fibrosis. Journal of Clinical Investigation, 2013, 123, 1005-1006.	3.9	5
567	Aberrant TGF- $\beta$ 2 activation in bone tendon insertion induces enthesopathy-like disease. Journal of Clinical Investigation, 2018, 128, 846-860.	3.9	36
568	A Bystander Mechanism Explains the Specific Phenotype of a Broadly Expressed Misfolded Protein. PLoS Genetics, 2016, 12, e1006450.	1.5	17
569	Latent Transforming Growth Factor $\beta$ 2-Binding Protein 4 Is Downregulated in Esophageal Cancer via Promoter Methylation. PLoS ONE, 2013, 8, e65614.	1.1	15
570	Generation and Characterization of a Diabody Targeting the $\alpha$ 5 $\beta$ 1 Integrin. PLoS ONE, 2013, 8, e73260.	1.1	11
571	Positive Selection in Bone Morphogenetic Protein 15 Targets a Natural Mutation Associated with Primary Ovarian Insufficiency in Human. PLoS ONE, 2013, 8, e78199.	1.1	20
572	Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2) Expression Is Increased in the Subsynovial Connective Tissue in a Rabbit Model of Carpal Tunnel Syndrome. PLoS ONE, 2014, 9, e108312.	1.1	7

#	ARTICLE	IF	CITATIONS
573	Differential Expression and Release of Activin A and Follistatin in Chronic Rhinosinusitis with and without Nasal Polyps. <i>PLoS ONE</i> , 2015, 10, e0128564.	1.1	13
574	Genotype-Specific Interaction of Latent TGF $\beta$ 2 Binding Protein 4 with TGF $\beta$ 2. <i>PLoS ONE</i> , 2016, 11, e0150358.	1.1	18
575	Maltose binding protein-fusion enhances the bioactivity of truncated forms of pig myostatin propeptide produced in <i>E. coli</i> . <i>PLoS ONE</i> , 2017, 12, e0174956.	1.1	2
576	TGF $\beta$ 2 Prodomain Alignments Reveal Unexpected Cysteine Conservation Consistent with Phylogenetic Predictions of Cross-Subfamily Heterodimerization. <i>Genetics</i> , 2020, 214, 447-465.	1.2	9
577	Chronic exercise reduces hypothalamic transforming growth factor $\beta$ 21 in middle-aged obese mice. <i>Aging</i> , 2017, 9, 1926-1940.	1.4	11
578	Prognostic value of molecular events from negative surgical margin of non-small-cell lung cancer. <i>Oncotarget</i> , 2017, 8, 53642-53653.	0.8	8
579	TGF $\beta$ 2 upregulates PAR-1 expression and signalling responses in A549 lung adenocarcinoma cells. <i>Oncotarget</i> , 2016, 7, 65471-65484.	0.8	12
580	Reduced SMAD2/3 activation independently predicts increased depth of human cutaneous squamous cell carcinoma. <i>Oncotarget</i> , 2018, 9, 14552-14566.	0.8	9
581	GARP: a surface molecule of regulatory T cells that is involved in the regulatory function and TGF $\beta$ 2 releasing. <i>Oncotarget</i> , 0, 7, 42826-42836.	0.8	52
582	Platelet Transforming Growth Factor $\beta$ 21 Induces Liver Sinusoidal Endothelial Cells to Secrete Interleukin-6. <i>Cells</i> , 2020, 9, 1311.	1.8	7
583	Reducing affinity of $\beta$ 28 interactions with latent TGF $\beta$ 2: dialling down fibrosis. <i>Annals of Translational Medicine</i> , 2015, 3, S31.	0.7	2
584	Bone marrow fibrosis in primary myelofibrosis: pathogenic mechanisms and the role of TGF $\beta$ 2. <i>Stem Cell Investigation</i> , 2016, 3, 5.	1.3	52
586	Tgfb3 collaborates with PP2A and notch signaling pathways to inhibit retina regeneration. <i>ELife</i> , 2020, 9, .	2.8	30
587	Epithelial $\rightarrow$ mesenchymal transition $\rightarrow$ related serum markers ET $\alpha$ 1, IL $\alpha$ 8 and TGF $\beta$ 2 are elevated in a Finnish wet age $\rightarrow$ related macular degeneration cohort. <i>Acta Ophthalmologica</i> , 2022, 100, .	0.6	8
588	Collagen polarization promotes epithelial elongation by stimulating locoregional cell proliferation. <i>ELife</i> , 2021, 10, .	2.8	7
589	Overcoming TGF $\beta$ 2-mediated immune evasion in cancer. <i>Nature Reviews Cancer</i> , 2022, 22, 25-44.	12.8	122
590	Latency-associated Peptide Degradation Fragments Produced in Stellate Cells and Phagocytosed by Macrophages in Bile Duct-ligated Mouse Liver. <i>Journal of Histochemistry and Cytochemistry</i> , 2021, 69, 723-730.	1.3	1
591	Medicinal Chemistry of Mid-sized Molecules on Biologically Active Peptides. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2015, 73, 737-748.	0.0	0

#	ARTICLE	IF	CITATIONS
592	TGF- $\beta$ 2 LAP Degradation Products, a Novel Biomarker and Promising Therapeutic Target for Liver Fibrogenesis. , 2015, , 317-325.		1
594	Comparison of Connective Tissue Growth Factor Expression in Urethral Stricture Patients due to Infection and Trauma with IHC and ELISA Methods. Journal of Medical & Surgical Pathology, 2017, 02, .	0.2	0
599	TGF- $\beta$ 2/Smad Signalling Pathway in Cancer. , 2018, , 151-185.		0
602	Mechanisms of Fibrosis in IPF. Respiratory Medicine, 2019, , 133-182.	0.1	0
603	Mechanotransduction in Wound Healing and Scar Formation. , 2019, , 35-45.		0
604	Polymorphism of glutathione-S-transferase genes and growth factors in patients with chronic rhinosinusitis. Rossiiskaya Rinologiya, 2019, 27, 9.	0.1	1
608	The Correlation between Levels of Transforming Growth Factor- $\beta$ 2 with Pulmonary Fibrosis in Post Pulmonary Tuberculosis in Medan, North Sumatera “ Indonesia. Open Access Macedonian Journal of Medical Sciences, 2019, 7, 2075-2078.	0.1	6
609	Magnetically triggered release of active TGF-B from spin vortex microdiscs. Journal of Magnetism and Magnetic Materials, 2022, 546, 168732.	1.0	0
610	Myeloid cell subsets that express latency-associated peptide promote cancer growth by modulating T $\beta$ cells. IScience, 2021, 24, 103347.	1.9	4
611	Bone Remodeling and Homeostasis. , 2020, , 152-161.		0
613	The RPE in Myopia Development. , 2020, , 117-138.		2
614	The Role of TGF- $\beta$ 2 in Bone Metastases. Biomolecules, 2021, 11, 1643.	1.8	35
616	HMGB1 exacerbates bronchiolitis obliterans syndrome via RAGE/NF- $\kappa$ B/HPSE signaling to enhance latent TGF- $\beta$ 2 release from ECM. American Journal of Translational Research (discontinued), 2016, 8, 1971-84.	0.0	21
617	gene polymorphisms correlate with the susceptibility of osteoarthritis. International Journal of Clinical and Experimental Pathology, 2017, 10, 8780-8785.	0.5	2
618	Autonomous TGF $\beta$ 2 signaling induces phenotypic variation in human acute myeloid leukemia. Stem Cells, 2021, 39, 723-736.	1.4	2
619	Nutrition profile and potency of RGD motif in protein hydrolysate of green peas as an antifibrosis in chronic kidney disease. Iranian Journal of Basic Medical Sciences, 2021, 24, 734-743.	1.0	0
620	Autonomous TGF $\beta$ 2 signaling induces phenotypic variation in human acute myeloid leukemia. Stem Cells, 2021, 39, 723-736.	1.4	9
621	Role of the Microenvironment in Mesenchymal Stem Cell-Based Strategies for Treating Human Liver Diseases. Stem Cells International, 2021, 2021, 1-15.	1.2	2

#	ARTICLE	IF	CITATIONS
622	The anti-M $\beta$ 4 allergen hormone prodomain is displaced from the hormone/prodomain complex upon bivalent binding to the hormone receptor. <i>Journal of Biological Chemistry</i> , 2022, 298, 101429.	1.6	7
623	It's Time to Shift the Paradigm: Translation and Clinical Application of Non- $\alpha$ 3 Integrin Targeting Radiopharmaceuticals. <i>Cancers</i> , 2021, 13, 5958.	1.7	6
624	Periosteal CD68 <sup>+</sup> F4/80 <sup>+</sup> Macrophages Are Mechanosensitive for Cortical Bone Formation by Secretion and Activation of TGF $\beta$ 1. <i>Advanced Science</i> , 2022, 9, e2103343.	5.6	24
625	Wnt5A and TGF $\beta$ 1 Converges through YAP1 Activity and Integrin $\alpha$ v Up-Regulation Promoting Epithelial to Mesenchymal Transition in Ovarian Cancer Cells and Mesothelial Cell Activation. <i>Cells</i> , 2022, 11, 237.	1.8	9
627	Human INHBB Gene Variant (c.1079T>C;p.Met360Thr) Alters Testis Germ Cell Content, but Does Not Impact Fertility in Mice. <i>Endocrinology</i> , 2022, 163, .	1.4	2
628	Blocking GARP-mediated activation of TGF $\beta$ 1 did not alter innate or adaptive immune responses to bacterial infection or protein immunization in mice. <i>Cancer Immunology, Immunotherapy</i> , 2022, , 1.	2.0	2
629	Anti-inflammatory cytokines in sickle cell disease. <i>Molecular Biology Reports</i> , 2022, 49, 2433-2442.	1.0	5
630	The radiobiology of TGF $\beta$ 2. <i>Seminars in Cancer Biology</i> , 2022, 86, 857-867.	4.3	15
631	The interplay of fibroblasts, the extracellular matrix, and inflammation in scar formation. <i>Journal of Biological Chemistry</i> , 2022, 298, 101530.	1.6	98
632	Latent TGF $\beta$ 2 complexes are transglutaminase cross-linked to fibrillin to facilitate TGF $\beta$ 2 activation. <i>Matrix Biology</i> , 2022, 107, 24-39.	1.5	9
633	Protection of the Prodomain $\beta$ 1-Helix Correlates with Latency in the Transforming Growth Factor- $\beta$ 2 Family. <i>Journal of Molecular Biology</i> , 2022, 434, 167439.	2.0	2
634	Inhibition of integrin $\alpha$ v $\beta$ 6 sparks T-cell antitumor response and enhances immune checkpoint blockade therapy in colorectal cancer. , 2022, 10, e003465.		15
635	TGF $\beta$ 1 Disrupts redox balance in PCCL3 thyroid cell and is sexually dimorphic expressed in rat thyroid gland. <i>Molecular and Cellular Endocrinology</i> , 2022, 546, 111593.	1.6	0
636	Mechanisms and clinical significance of TGF $\beta$ 2 in hepatocellular cancer progression. <i>Advances in Cancer Research</i> , 2022, , 227-248.	1.9	3
637	Inhibition of Integrin $\alpha$ v $\beta$ 6 Activation of TGF $\beta$ 2 Attenuates Tendinopathy. <i>Advanced Science</i> , 2022, 9, e2104469.	5.6	8
638	Photobiomodulation-Activated Latent Transforming Growth Factor- $\beta$ 1: A Critical Clinical Therapeutic Pathway and an Endogenous Optogenetic Tool for Discovery. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2022, 40, 136-147.	0.7	11
639	Cell Wall Signaling in Plant Development and Defense. <i>Annual Review of Plant Biology</i> , 2022, 73, 323-353.	8.6	50
640	At the Intersection of Cardiology and Oncology: TGF $\beta$ 2 as a Clinically Translatable Therapy for TNBC Treatment and as a Major Regulator of Post-Chemotherapy Cardiomyopathy. <i>Cancers</i> , 2022, 14, 1577.	1.7	1

#	ARTICLE	IF	CITATIONS
641	A Programmable Multifunctional 3D Cancer Cell Invasion Micro Platform. <i>Small</i> , 2022, 18, e2107757.	5.2	4
642	Tumor in the Crossfire: Inhibiting TGF- $\beta$ 2 to Enhance Cancer Immunotherapy. <i>BioDrugs</i> , 2022, 36, 153-180.	2.2	19
643	Role of Cytokines in Thymic Regulatory T Cell Generation: Overview and Updates. <i>Frontiers in Immunology</i> , 2022, 13, 883560.	2.2	3
644	Transforming growth factor- $\beta$ 1 in regulatory T cell biology. <i>Science Immunology</i> , 2022, 7, eabi4613.	5.6	76
645	Emerging Roles of Airway Epithelial Cells in Idiopathic Pulmonary Fibrosis. <i>Cells</i> , 2022, 11, 1050.	1.8	23
646	Molecular Evolution of Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2) Gene Family and the Functional Characterization of Lamprey TGF- $\beta$ 2. <i>Frontiers in Immunology</i> , 2022, 13, 836226.	2.2	9
647	The $\beta$ 8 integrin cytoplasmic domain activates extracellular matrix adhesion to promote brain neurovascular development. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	7
648	Exploiting protease activation for therapy. <i>Drug Discovery Today</i> , 2022, 27, 1743-1754.	3.2	16
649	Elastic Fibre Proteins in Elastogenesis and Wound Healing. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4087.	1.8	12
650	The role of green peas protein hydrolysate in TGF/SMAD signaling to prevent renal fibrosis. <i>Journal of King Saud University - Science</i> , 2022, 34, 101920.	1.6	4
651	Alkaline activation of endogenous latent TGF- $\beta$ 1 by an injectable hydrogel directs cell homing for in situ complex tissue regeneration. <i>Bioactive Materials</i> , 2022, 15, 316-329.	8.6	11
652	Runx2 Deficiency in Osteoblasts Promotes Myeloma Resistance to Bortezomib by Increasing TSP-1-Dependent TGF- $\beta$ 1 Activation and Suppressing Immunity in Bone Marrow. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 347-358.	1.9	6
654	The Epidermis: Redox Governor of Health and Diseases. <i>Antioxidants</i> , 2022, 11, 47.	2.2	7
655	TGF- $\beta$ 2: Signaling Blockade for Cancer Immunotherapy. <i>Annual Review of Cancer Biology</i> , 2022, 6, .	2.3	7
656	Biologic mechanisms and consequences of pulmonary artery stiffening in pulmonary hypertension. , 2022, , 917-934.		0
657	Asiatic acid from <i>Cyclocarya paliurus</i> regulates the autophagy-lysosome system via directly inhibiting TGF- $\beta$ 2 type I receptor and ameliorates diabetic nephropathy fibrosis. <i>Food and Function</i> , 2022, 13, 5536-5546.	2.1	11
658	Association of TGF- $\beta$ 2 Canonical Signaling-Related Core Genes With Aortic Aneurysms and Aortic Dissections. <i>Frontiers in Pharmacology</i> , 2022, 13, 888563.	1.6	9
659	The fibrillinopathies: New insights with focus on the paradigm of opposing phenotypes for both <i>FBN1</i> and <i>FBN2</i> . <i>Human Mutation</i> , 2022, 43, 815-831.	1.1	7

#	ARTICLE	IF	CITATIONS
660	An emerging class of new therapeutics targeting <sc>TGF</sc>, Activin, and <sc>BMP</sc> ligands in pulmonary arterial hypertension. <i>Developmental Dynamics</i> , 2023, 252, 327-342.	0.8	2
661	CXCR2 Small-Molecule Antagonist Combats Chemoresistance and Enhances Immunotherapy in Triple-Negative Breast Cancer. <i>Frontiers in Pharmacology</i> , 2022, 13, 862125.	1.6	8
664	Signaling cascades in the failing heart and emerging therapeutic strategies. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 134.	7.1	18
665	Targeting TGF- $\beta$ signal transduction for fibrosis and cancer therapy. <i>Molecular Cancer</i> , 2022, 21, 104.	7.9	222
667	The <i>Pseudomonas aeruginosa</i> Secreted Protein PA3611 Promotes Bronchial Epithelial Cell Epithelial-Mesenchymal Transition via Integrin $\alpha$ 6-Mediated TGF- $\beta$ 1-Induced p38/NF- $\kappa$ B Pathway Activation. <i>Frontiers in Microbiology</i> , 2021, 12, 763749.	1.5	3
668	A Novel Autoinduction Biomarker Assay for Measuring &lt;i>In Situ</i> TGF- $\beta$ Activity in Cartilage: Applications in Mechanobiology and Tissue Engineering. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
669	Induction of Cartilage Regeneration by Nanoparticles Loaded with Dentin Matrix Extracted Proteins. <i>Tissue Engineering - Part A</i> , 2022, , .	1.6	2
670	Asiaticoside Combined With Carbon Ion Implantation to Improve the Biocompatibility of Silicone Rubber and to Reduce the Risk of Capsule Contracture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	2.0	0
671	Nintedanib-Containing Dual Conjugates Targeting $\alpha$ 6 Integrin and Tyrosine Kinase Receptors as Potential Antifibrotic Agents. <i>ACS Omega</i> , 2022, 7, 17658-17669.	1.6	6
672	Toxic effect of silica nanoparticles on bronchial epithelial cells. <i>Materials Express</i> , 2022, 12, 255-262.	0.2	1
673	Possible Role of Matrix Metalloproteinases and TGF- $\beta$ in COVID-19 Severity and Sequelae. <i>Journal of Interferon and Cytokine Research</i> , 2022, 42, 352-368.	0.5	16
674	Fructose Induces Pulmonary Fibrotic Phenotype Through Promoting Epithelial-Mesenchymal Transition Mediated by ROS-Activated Latent TGF- $\beta$ 1. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	3
675	Production of Recombinant Active Human TGF- $\beta$ 1 in <i>Nicotiana benthamiana</i> . <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	3
676	Mechanical regulation of chromatin and transcription. <i>Nature Reviews Genetics</i> , 2022, 23, 624-643.	7.7	64
677	Peptide Tool-Driven Functional Elucidation of Biomolecules Related to Endocrine System and Metabolism. <i>Chemical and Pharmaceutical Bulletin</i> , 2022, 70, 413-419.	0.6	0
678	Anti-M $\beta$ 1/4llergic Hormone Signal Transduction involved in M $\beta$ 1/4llergic Duct Regression. <i>Frontiers in Endocrinology</i> , 2022, 13, .	1.5	5
680	Intensity Dependent Effects of Interval Resistance Training on Myokines and Cardiovascular Risk Factors in Males With Obesity. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	4
681	Paradoxical role of $\alpha$ 8 integrin on angiogenesis and vasculogenic mimicry in glioblastoma. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	10

#	ARTICLE	IF	CITATIONS
682	Molecular Mechanisms of AMH Signaling. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	10
683	Cryo-electron Microscopic Analysis of Single-Pass Transmembrane Receptors. <i>Chemical Reviews</i> , 2022, 122, 13952-13988.	23.0	7
684	Signaling pathways of chronic kidney diseases, implications for therapeutics. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	71
685	Usual interstitial pneumonia: a review of the pathogenesis and discussion of elastin fibres, type II pneumocytes and proposed roles in the pathogenesis. <i>Pathology</i> , 2022, 54, 517-525.	0.3	4
686	Targeting fibrosis: mechanisms and clinical trials. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	97
687	Recombinant truncated latency-associated peptide alleviates liver fibrosis in vitro and in vivo via inhibition of TGF- $\beta$ 2/Smad pathway. <i>Molecular Medicine</i> , 2022, 28, .	1.9	5
688	Tissue Engineering Neovagina for Vaginoplasty in Mayer-Rokitansky-Kuster-Hauser Syndrome and Gender Dysphoria Patients: A Systematic Review. <i>Tissue Engineering - Part B: Reviews</i> , 2023, 29, 28-46.	2.5	3
690	BMP Signaling Pathway in Dentin Development and Diseases. <i>Cells</i> , 2022, 11, 2216.	1.8	20
691	Integrin $\beta$ 1 in Pancreatic Cancer: Expressions, Functions, and Clinical Implications. <i>Cancers</i> , 2022, 14, 3377.	1.7	8
692	Tissue mechanics coevolves with fibrillar matrixomes in healthy and fibrotic tissues. <i>Matrix Biology</i> , 2022, 111, 153-188.	1.5	11
693	Igf2bp2 knockdown improves CCl4-induced liver fibrosis and TGF- $\beta$ 2-activated mouse hepatic stellate cells by regulating Tgfb1. <i>International Immunopharmacology</i> , 2022, 110, 108987.	1.7	9
694	The kidney matrixome in health, aging, and disease. <i>Kidney International</i> , 2022, 102, 1000-1012.	2.6	11
695	Piezo1 Channel as a Potential Target for Hindering Cardiac Fibrotic Remodeling. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8065.	1.8	11
696	Old and New Aspects of H. pylori-Associated Inflammation and Gastric Cancer. <i>Children</i> , 2022, 9, 1083.	0.6	12
697	TGFB1*6A as a modifier of breast cancer risk and progression: advances and future prospects. <i>Npj Breast Cancer</i> , 2022, 8, .	2.3	1
698	TGF- $\beta$ 1-induced bone marrow mesenchymal stem cells (BMSCs) migration via histone demethylase KDM6B mediated inhibition of methylation marker H3K27me3. <i>Cell Death Discovery</i> , 2022, 8, .	2.0	3
699	TGF $\beta$ 2 signaling activation correlates with immune-inflamed tumor microenvironment across human cancers and predicts response to immunotherapy. <i>Cell Cycle</i> , 0, , 1-16.	1.3	2
700	Specificity of TGF- $\beta$ 1 signal designated by LRRC33 and integrin $\beta$ 28. <i>Nature Communications</i> , 2022, 13, .	5.8	8

#	ARTICLE	IF	CITATIONS
701	Latent transforming growth factor $\beta$ binding protein 3 controls adipogenesis. <i>Matrix Biology</i> , 2022, 112, 155-170.	1.5	4
702	CWHM-12, an Antagonist of Integrin-Mediated Transforming Growth Factor-Beta Activation Confers Protection During Early <i>Mycobacterium tuberculosis</i> Infection in Mice. <i>Journal of Interferon and Cytokine Research</i> , 2022, 42, 421-429.	0.5	0
703	Preclinical Characterization of Relatlimab, a Human LAG-3 Blocking Antibody, Alone or in Combination with Nivolumab. <i>Cancer Immunology Research</i> , 2022, 10, 1175-1189.	1.6	21
705	Senescent macrophages alter fibroblast fibrogenesis in response to SARS-CoV-2 infection. , 2022, .		0
706	Importance of Fibrosis in the Pathogenesis of Uterine Leiomyoma and the Promising Anti-fibrotic Effects of Dipeptidyl Peptidase-4 and Fibroblast Activation Protein Inhibitors in the Treatment of Uterine Leiomyoma. <i>Reproductive Sciences</i> , 2023, 30, 1383-1398.	1.1	4
707	Arg-Gly-Asp-binding integrins activate hepatic stellate cells via the hippo signaling pathway. <i>Cellular Signalling</i> , 2022, 99, 110437.	1.7	1
708	TGF- $\beta$ Family Signaling. , 2022, , .		0
709	The Role of Myofibroblasts in Physiological and Pathological Tissue Repair. <i>Cold Spring Harbor Perspectives in Biology</i> , 2023, 15, a041231.	2.3	31
710	Exploration of proper heating protocol for injectable horizontal platelet-rich fibrin gel. <i>International Journal of Implant Dentistry</i> , 2022, 8, .	1.1	3
711	Increased circulating TGF- $\beta$ 1 is associated with impairment in NK cell effector functions in metastatic melanoma patients. <i>Growth Factors</i> , 2022, 40, 231-239.	0.5	10
712	Clinical characteristics and the influence of rs1800470 in patients with Camurati-Engelmann disease. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	0
713	Structure-Guide Design and Optimization of Potential Druglikeness Inhibitors for TGF $\beta$ RI with the Pyrrolopyrimidine Scaffold. <i>Pharmaceuticals</i> , 2022, 15, 1264.	1.7	0
714	CD82 attenuates TGF- $\beta$ 1-mediated epithelial-mesenchymal transition by blocking smad-dependent signaling in ARPE-19 cells. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
715	Effect of TGF- $\beta$ 1-Mediated Exercise Analgesia in Spared Nerve Injury Mice. <i>Neural Plasticity</i> , 2022, 2022, 1-11.	1.0	2
716	Computational analysis of prodomain cysteines in human TGF- $\beta$ proteins reveals frequent loss of disulfide-dependent regulation in tumors. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	2
717	The Novel Small Molecule BTB Inhibits Pro-Fibrotic Fibroblast Behavior through Inhibition of RhoA Activity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11946.	1.8	2
718	Effect of high glucose supplementation on pulmonary fibrosis involving reactive oxygen species and TGF- $\beta$ . <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	4
719	Assessment of the post-SARS-CoV-2 vaccination response depending on the epidemiological status, demographic parameters and levels of selected cytokines in medical personnel. <i>Postepy Dermatologii i Alergologii</i> , 2022, 39, 913-922.	0.4	0

#	ARTICLE	IF	CITATIONS
720	SINGLE NUCLEOTIDE POLYMORPHISMS OF TRANSFORMING GROWTH FACTOR- $\beta$ 1 GENE AS POTENTIAL ASTHMA SUSCEPTIBLE VARIANTS IN PUNJABI POPULATION OF PAKISTAN. <i>Journal of Ayub Medical College, Abbottabad: JAMC</i> , 2022, 34, 944-948.	0.1	0
721	An engineered (CAGA)12-EGFP cell-based biosensor for high-content and accurate detection of active TGF- $\beta$ 2. <i>Biosensors and Bioelectronics</i> , 2023, 220, 114884.	5.3	2
722	Roles of TGF- $\beta$ 2 in cancer hallmarks and emerging onco-therapeutic design. <i>Expert Reviews in Molecular Medicine</i> , 2022, 24, .	1.6	2
723	Combined targeting of soluble latent TGF- $\beta$ 1 and a solid tumor-associated antigen with adapter CAR T cells. <i>OncImmunity</i> , 2022, 11, .	2.1	4
724	TGF- $\beta$ 2 control of immune responses in cancer: a holistic immuno-oncology perspective. <i>Nature Reviews Immunology</i> , 2023, 23, 346-362.	10.6	23
725	A micropeptide JunBP regulated by TGF- $\beta$ 2 promotes hepatocellular carcinoma metastasis. <i>Oncogene</i> , 2023, 42, 113-123.	2.6	4
726	Genetic dominance of transforming growth factor- $\beta$ 1 polymorphisms in chronic liver disease. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0
727	Emerging role for branched-chain amino acids metabolism in fibrosis. <i>Pharmacological Research</i> , 2023, 187, 106604.	3.1	7
728	Protein conformation stabilized by newly formed turns for thermal resilience. <i>Biophysical Journal</i> , 2023, 122, 82-89.	0.2	1
729	Therapeutic Effect of a Latent Form of Cortistatin in Experimental Inflammatory and Fibrotic Disorders. <i>Pharmaceutics</i> , 2022, 14, 2785.	2.0	0
730	Metabolic hallmarks of natural killer cells in the tumor microenvironment and implications in cancer immunotherapy. <i>Oncogene</i> , 2023, 42, 1-10.	2.6	4
731	Arterial dissections: Common features and new perspectives. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	16
732	Targeting TGF- $\beta$ 2 signaling in the multiple myeloma microenvironment: Steering CARs and T cells in the right direction. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	5
733	Targeting of bone morphogenetic protein complexes to heparin/heparan sulfate glycosaminoglycans in bioactive conformation. <i>FASEB Journal</i> , 2023, 37, .	0.2	5
734	Selective inhibition of integrin $\alpha$ 6 leads to rapid induction of urinary bladder tumors in cynomolgus macaques. <i>Toxicological Sciences</i> , 2023, 191, 400-413.	1.4	4
735	One-Step Preparation of an Injectable Hydrogel Scaffold System Capable of Sequential Dual-Growth Factor Release to Maximize Bone Regeneration. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	9
736	Molecular Pathways and Mechanisms of TGF- $\beta$ 2 in Cancer Therapy. <i>Clinical Cancer Research</i> , 0, , .	3.2	0
737	The role of TGF-beta3 in cartilage development and osteoarthritis. <i>Bone Research</i> , 2023, 11, .	5.4	33

#	ARTICLE	IF	CITATIONS
738	Nintedanib-Î±VÎ²6 Integrin Ligand Conjugates Reduce TGFÎ²-Induced EMT in Human Non-Small Cell Lung Cancer. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1475.	1.8	0
739	Integrin Î²3 Mediates Sepsis and Mechanical Ventilation-Associated Pulmonary Fibrosis Through Glycometabolic Reprogramming. <i>Laboratory Investigation</i> , 2023, 103, 100021.	1.7	3
740	Clinical and genetic findings in Chinese families with congenital ectopia lentis. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2023, 11, .	0.6	4
741	TGFÎ²-mediated MMP13 secretion drives myoepithelial cell dependent breast cancer progression. <i>Npj Breast Cancer</i> , 2023, 9, .	2.3	4
742	Inhibitory effect of miR-138-5p on choroidal fibrosis in lens-induced myopia guinea pigs via suppressing the HIF-1Î± signaling pathway. <i>Biochemical Pharmacology</i> , 2023, 211, 115517.	2.0	3
743	TGF-Î² signaling pathway: Therapeutic targeting and potential for anti-cancer immunity. <i>European Journal of Pharmacology</i> , 2023, 947, 175678.	1.7	12
744	Mutual regulation between glycosylation and transforming growth factor-Î² isoforms signaling pathway. <i>International Journal of Biological Macromolecules</i> , 2023, 236, 123818.	3.6	1
745	Formation and characterization of BMP2/GDF5 and BMP4/GDF5 heterodimers. <i>BMC Biology</i> , 2023, 21, .	1.7	3
746	Mechanisms of skeletal muscle-tendon development and regeneration/healing as potential therapeutic targets. , 2023, 243, 108357.		3
747	Prevention of uterine fibroids: Molecular mechanisms and potential clinical application. , 2023, 1, 100018.		5
748	Unlocking cardiomyocyte renewal potential for myocardial regeneration therapy. <i>Journal of Molecular and Cellular Cardiology</i> , 2023, 177, 9-20.	0.9	6
749	GL-V9 ameliorates liver fibrosis by inhibiting TGF-Î²/smad pathway. <i>Experimental Cell Research</i> , 2023, 425, 113521.	1.2	4
750	Periadventitial Î²-aminopropionitrile-loaded nanofibers reduce fibrosis and improve arteriovenous fistula remodeling in rats. <i>Frontiers in Cardiovascular Medicine</i> , 0, 10, .	1.1	2
751	TGF-Î²1 signalling in Alzheimerâ€™s pathology and cytoskeletal reorganization: a specialized Tau perspective. <i>Journal of Neuroinflammation</i> , 2023, 20, .	3.1	16
752	Activated fibroblasts in cancer: Perspectives and challenges. <i>Cancer Cell</i> , 2023, 41, 434-449.	7.7	38
753	Anti-GARP Antibodies Inhibit Release of TGF-Î² by Regulatory T Cells via Different Modes of Action, but Do Not Influence Their Function In Vitro. <i>ImmunoHorizons</i> , 2023, 7, 200-212.	0.8	2
754	Î±v Integrin-Dependent TGFÎ² Activation in Cancer: A Brief Update. <i>Biology of Extracellular Matrix</i> , 2023, , 217-232.	0.3	0
755	An update on renal fibrosis: from mechanisms to therapeutic strategies with a focus on extracellular vesicles. <i>Kidney Research and Clinical Practice</i> , 2023, 42, 174-187.	0.9	4

#	ARTICLE	IF	CITATIONS
756	Biophysical Regulation of TGF $\beta$ 2 Signaling in the Tumor Microenvironment. <i>Current Cancer Research</i> , 2023, , 159-200.	0.2	1
758	TGF $\beta$ 2 mediated drug resistance in solid cancer. <i>Cytokine and Growth Factor Reviews</i> , 2023, 71-72, 54-65.	3.2	9
759	The effects of mechanical force on fibroblast behavior in cutaneous injury. <i>Frontiers in Surgery</i> , 0, 10, .	0.6	4
760	The Role of Mechanosensitive Signaling Cascades in Repair and Fibrotic Remodeling of the Infarcted Heart. <i>Cardiac and Vascular Biology</i> , 2023, , 61-100.	0.2	0
761	Mechanical homeostasis imbalance in hepatic stellate cells activation and hepatic fibrosis. <i>Frontiers in Molecular Biosciences</i> , 0, 10, .	1.6	5
803	The roles and regulatory mechanisms of TGF $\beta$ 2 and BMP signaling in bone and cartilage development, homeostasis and disease. <i>Cell Research</i> , 2024, 34, 101-123.	5.7	0
814	Das RPE in der Myopie-Entwicklung. , 2024, , 129-153.		0